Information:

First Name: Randy
Last Name: Buchalski
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City: New York
State: NY
Zip Code: 10017
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Phone: 2126829271
Required copies of the records: Yes

List of specific record(s):
A list of respondents, copies of the proposals submitted, and the evaluation sheets for the following RFPs - 39247 and 38268

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY
PUBLIC RECORD ACCESS FORM

PRA 15686

Action by (print / type name):

William Shalewitz , Freedom of Information Administrator

Signature: Date:

06/29/2016

On behalf of the Secretary of the Port Authority, as Records Access Officer and Custodian of Government Records of the Port Authority.

☐ The requested records are being made available.

☐ Any responsive records that may exist are currently in storage or archived, and a diligent search is being conducted. The Port Authority will respond by:

☐ A diligent search has been conducted, and no records responsive to your request have been located.

☐ The requested records that have been located are not being made available, as they are exempt from disclosure for the following specific reasons:

☑ Some requested records that have been located are being made available. The remainder are exempt from disclosure for the following specific reasons:

Privacy, security and proprietary information.

☐ The request does not reasonably describe or identify specific records; therefore, the Port Authority is unable to search for and locate responsive records. Please consider submitting a new request that describes or identifies the specific records requested with particularity and detail.

☑ Other:

Material responsive to your request can be found on the Port Authority's website at http://corpinfo.panynj.gov/documents/15686-C, http://corpinfo.panynj.gov/documents/15686-C-1 and http://corpinfo.panynj.gov/documents/15686-C-2

This form is promulgated by the Port Authority pursuant to the Port Authority Public Records Access Policy and is intended to be construed consistent with the New York Freedom of Information Law and the New Jersey Open Public Records Act. It is intended to facilitate requests for Port Authority public records and does not constitute legal advice.

The Mills Corp., Meadowlands Mills, Carlstadt, New Jersey. Project manager for all civil/site infrastructure, utility, and foundation design services for a 592-acre commercial retail development site within the environmentally sensitive Hackensack Meadowlands district. Site engineering included the design of over two million cubic yards of fill, erosion and sediment control, hydraulics and flood control, grading and drainage, utilities, internal roadways, and foundations for a 2.4-million-square foot mall.

New York City School Construction Authority, PS/IS 366K, Brooklyn, New York. Project manager for the design and design services during construction of civil/site, utilizes foundation and below-ground structure elements of an elementary/middle school.

New Jersey School Construction Corporation, PS 3/MS 4 Staff Parking Feasibility Study, Jersey City, New Jersey. Project manager for a feasibility study and design of a parking facility for approximately, 100 faculty on a site totaling 20,000 square feet. Managing hazardous soils, environmental and land use issues, design of site/civil, geotechnical, utilities, and traffic improvements.

Harlem River Yard Ventures, Inc., Harlem River Yard Intermodal Transportation Center, Bronx, New York. Project manager for the development of a 96-acre former rail yard into a modern intermodal terminal and industrial park. Managed site planning, hazardous waste site assessments, environmental impact studies to supplement previous studies by the New York State Department of Transportation. , Design and construction management of infrastructure including civil/site, rail, utilities and waterfront.

New York City Department of Design and Construction, College Point Sports Park-Phase I, Queens, New York. Principal-in-charge of the development of a public recreational facility on 22 acres of reclaimed marshland. Phase I (five acres), includes site/civil, engineering, geotechnical, utilities, and the design of a field house.

Westchester County DPW – New Rochelle WWTP Composite Performance Implementation and Plant Expansion – New Rochelle, NY. Project Manager for design and construction management of the expansion and system upgrades to the New Rochelle Wastewater Treatment Plant. The NRWWTP is being expanded from a 13.9 mgd average daily flow and all plant systems are being upgraded and processes added to handle the new flow and to meet new permit discharge limits.

Plant upgrades and expansion include: influent screening, main influent pumps, aerated grit separation facilities, primary tank mechanisms and covers, pure oxygen secondary treatment, liquid oxygen supply, final clarifiers, sludge pumping New Sludge Processing Building which includes sludge thickening with gravity belts, sludge drying with belt filter presses, additional dry sludge storage and loadout capacity, plant wide electrical system upgrade, new odor control systems, new ID card SCADA systems and upgrades to support systems and utilities.

David G. Fredericks, PE, LEED AP

Senior Electrical Engineer

EDUCATION

B.S. – Marine Engineering, United States Merchant Marine Academy, Kings Point, NY, 6/1998

CERTIFICATIONS

Registered Professional Engineer: Pennsylvania, New Jersey, New York
USGBC LEED® Accredited Professional

SKILLS

SKM Power Tools, Latest Version (Power System Study Software), Lighting Simulation and Calculation Software (Lumen Micro, Lumen Designer)

EXPERIENCE

Mr. Fredericks is the Lead Electrical Engineer and is responsible for the quality control and or design of all Electrical Design projects produced by Savin. Mr. Fredericks has extensive experience in completing Electrical Design and Construction projects from start to finish, including the production of drawings, specifications and providing design services during construction (RFIs, Shop Drawings, etc.). Mr. Fredericks also specializes in performing complex electrical systems analysis (Short Circuit, Relay Coordination, Arc Flash, Voltage Drop and Load Flow) using SKM powertools software.

Binghamton-Johnson City Joint Sewage Treatment Plant, Vestal, NY – Plant Restoration and Rehabilitation – BAF Facility (2013)
Served as Electrical Engineer/Electrical Project manager for the complete electrical renovation of the BAF facility due to severe storm damage. Responsible for the production of Contract Drawings and Specification, this included a complete condition survey of the incoming 4.8kV underground service run. The design documents covered the upgrade of the main facility 4.8kV service switchgear equipment including the interconnection design of two - 2 MW Diesel Generators to supply power to the entire treatment facility during a utility power failure event. The design included new work to facilitate the upgrade of the BAF facility, which included all required transformers, relocated utility metering, 4.8kV distribution power, 480 volt distribution power, new switchgear equipment, paralleling switchgear, generator automatic transfer switchgear, new lighting, controls and electrical back-up support for the new instrumentation and HVAC designs. Performed all power calculations and complete interface and coordination with the Power Utility (NYSEG).

Binghamton-Johnson City Joint Sewage Treatment Plant, Vestal, NY – Plant Restoration and Rehabilitation –New DAF Facility (2014)
Served as Electrical Engineer/Electrical Project manager for the electrical design of the new DAF facilities. Responsible for the design of the new 4.8kV underground power run, new distribution transformers (1500 kVA each) and building distribution switchgear (480 volts). Responsible for the production of Contract Drawings and Project Specifications. Electrical Design Drawings covered 480 volt-three phase power distribution power, new motor control centers, control, lighting, grounding and power interface with process instrumentation and HVAC Systems. The design included the modifications to the Blower House service switchgear equipment for the required 4.8kV double-ended power required for the DAF facility.

NYCDEP Newtown Creek WWTP Contract NC30E – Electrical Facilities Upgrade
Performed several types of power system analyses including short circuit studies, load flow calculations, voltage drop calculations and protective device coordination. Large motor starting studies were performed on new 3000 HP process air blowers to investigate the effect of large motor starts on the plant distribution system.

NYCDEP Risk and Prioritization Study
Provided conditions assessment services for 12 NYCDEP owned and operated facilities. This included wastewater treatment plants from 100,000 gpd to 310 MGD. Responsible for inspecting and evaluating all electrical systems including but not limited to distribution transformers, standby generator, switchgears, moto control centers and control panels. Each element was inspected, evaluated and scored on a rating system from 1 to 5. Further analysis incorporated a risk-based approach to prioritizing repairs.

NYCDEP AWTPA-02, Bronx, NY – Carbon Addition Facilities (2012-Present)
Lead Electrical Engineer responsible for design of 5 Carbon Feed facilities located at Jamaica, 26th Ward, Bowery Bay, Hunts Point, Tallman Island and Wards Island WWTPs.

NYCDEP Hunts Point WWTP, Bronx, NY – Stabilization Project (2008-Present)
Served as Electrical Engineer/Electrical Project Manager for an extensive $80M electrical system upgrade design of the Hunts Point Wastewater Treatment Plant (WWTP) in the Bronx, NY, including new 15kV electrical service entrance equipment, 5kV distribution equipment, interior and exterior lighting and lightning protection systems. Provided technical reports and detailed calculations for several types of Power System Analyses including Short Circuit Studies, Load Flow Calculations, Large Motor Starting Studies and Protective Device Coordination. Also provided Design Services During Construction (DSDC) including coordination with the Utility, RFI responses, shop drawing review, change order preparation, construction phasing and coordination between trades.

Westchester County – New Rochelle WWTP BNR Facilities – Contract 09-514
Served as Lead Electrical Engineer for Savin Engineers. Produce all of the Electrical Design Drawings covering 480V power distribution and lighting for the BNR Building, Process Control Building and Sodium Hydroxide Building including all motor controls, motor control centers, grounding and power interface with process mechanical, instrumentation and HVAC systems. Design also included extension of the fire alarm system and page/party system to these areas.

MTA – East Side Access Queens Bored Tunnel Project
Served as Electrical Project Engineer providing design and construction services for the installation of a new interim electrical substation for boring two new tunnels under the Sunnyside Train Yard in Queens, NY. Design included four (4) new 26.4kV service switchgear (34kV rated), four (4) new 6MVA liquid filled transformers, and four (4) new 13.2kV switchgear. Engineering services also included performance of a site-wide short circuit and device protection study including equipment evaluation and recommended protective device setting development.

Port Authority NY/NJ – World Trade Center complex Power System Study
Provided engineering services related to the development of a short circuit and device coordination study for the World Trade Center Tower One. Scope of study included Con Edison service down to 208V panelboards throughout Tower One and included service equipment at the Memorial site, Transportation Hub and Central Chiller Plant. Scope of equipment included eight (8) medium voltage (13.8kV) service entrance rated switchgear lineups, fifteen (15), four (4) feeder 13.8kV-480V spot networks, 480V fused distribution switchboards, four (4) 2500kVA 480V generators and associated distribution switchgear, and 480V and low voltage panelboards. Engineering services also included protective device coordination study including equipment evaluation and recommended protective device setting development.

Adam Clayton Powell State Office Building Boiler Upgrade, New York Power Authority Electrical Engineer
Performed site survey of existing emergency power distribution system and provided feasibility study determining spare system capacity and upgradeability. Performed electrical design work supporting new high efficient boiler system upgrade. Also provided shop drawing review and services during construction.

Edward Patrick Conn, P.E.

Senior Mechanical Engineer

EDUCATION

B.S. – Mechanical Engineering, Rutgers University – College of Engineering, Piscataway, NJ, May 1997

CERTIFICATIONS

Registered Professional Engineer: New Jersey, New York

PROFESSIONAL AFFILIATIONS

Member of the American Society of Heating, Refrigerating, Air-Conditioning Engineers
Member of New Jersey Chapter of the US Green Building Council
Advisory Group Member for the production of Rutgers University's "NJ Green Remodeling Guidelines".
Successful completion of The Dale Carnegie Course ®, Presented with the "Highest Award of Achievement" as voted by classmates, February 2006

SKILLS

Computer Aided Drafting – AutoCad 2005
Heating and Air Conditioning Calculations, Carrier - Hourly Analysis Program, Ver. 4.4
Microsoft Office

EXPERIENCE

Mr. Conn is the Lead Mechanical Engineer and is responsible for the quality control and or design of all Mechanical Design projects produced by Savin. Mr. Conn has extensive experience in completing Mechanical Design and Construction projects from start to finish, including the production of drawings, specifications and providing design services during construction (RFIs, Shop Drawings, etc.). Mr. Conn specializes in large industrial HVAC system design.

Philadelphia Water Department (PWD) - Baxter WTP – Ammonia System Improvements
Served as Lead Mechanical Engineer responsible for the HVAC and plumbing designs associated with the modifications to the existing aqua ammonia (ammonia) feed system and the construction of new underground, chemical storage/pumping vault. Design included heating and ventilation for the pump room, ventilation for the chemical storage room, domestic hot water for two (2) combination eyewash/showers, PVC water piping and heat tracing. Responsibilities involved heating, ventilation and domestic hot water calculations, equipment selections, duct and piping layouts, cost estimation, bid document production including drawings and specifications, and inter-discipline coordination.

Westchester County – New Rochelle WWTP BNR Facilities – Contract 09-514 (2010)
Served as Lead Mechanical Engineer for Savin Engineers. Produce all of the Mechanical Design Drawings covering Heating, Ventilation and Cooling design for the BNR Building, Process Control Building and Sodium Hydroxide Building.

New York Power Authority – Bronx Community College, Bronx, NY
Served as Project Manager/Mechanical Engineer. Performed site survey of existing central hot water boiler plant and its distribution system and provided existing energy usage calculations. Developed feasibility report regarding possible upgrade of the central boiler plant and the creation of a new campus central chiller plant. The options of high pressure steam versus medium temperature hot water heating systems were investigated and compared for advantages/disadvantages and construction costs. Performed Life Cycle Cost Analysis for recommended building upgrades including central heating and cooling systems, in which the

estimated annual electricity and gas usage were calculated to determine the payback period from the proposed construction cost estimates.

NYCDEP Hunts Point WPCP, Bronx, NY – Stabilization Project (2008)
Lead HVAC Engineer responsible for construction support services of both Phase I and II portions of the design, whose HVAC construction contracts total $27 million. Responsibilities included shop drawing review, requests for information, contractor-engineer coordination, on-site inspections, and change order preparation, which involved the design of an additional $1 million due to scope changes and field conditions. Design of Phase III is ongoing, including design of new, upgraded heating and ventilation to new egg-shaped digester facility and existing thickener area. Both areas will be provided with a heat recovery system totaling 114,000 cfm and 160,000 cfm respectively. Hot water will be provided from the 5-750HP dual fuel boilers designed and installed in a previous phase.

NYC DEP - Catskill & Delaware Water Treatment Ultra Violet Disinfection Facility, Contract CAT-210
Served as Project Manager and HVAC Designer for large Ultra Violet (UV) Disinfection Facility. The facility, rated for 2,020MGD, provides New York City with up to 90% of the nearly two billion gallons of water consumed daily. Project responsibilities include value engineering participation, inter-discipline coordination, cost estimating, applications for permits, assistance in bidding, and direct supervision of three (3) HVAC designers. Highlights of the design include the following:

- Design of a hot water boiler plant with (3) 300 HP boilers divided into three primary zones.
- Desiccant dehumidification (humidity control) systems serving the main pipe galleries totaling 124,000 CFM with a spare unit and complex interconnecting ductwork for redundancy.
- Utilizing plant raw water to provide approximately 500 tons of "free cooling" to numerous air conditioning units through a three loop, stainless steel heat exchanger system. Entire system equipped with redundant pumps, heat exchangers and piping to prevent system failure.
- A dedicated smoke removal system sized to serve approximately 1.6M CF of space in the main UV piping gallery.

City if Greenwich, CT - Grass Island WWTP - Dewatering Building Upgrade
Served as Lead HVAC Engineer responsible for designing a complex control strategy to interlock the new Heating & Ventilating (HV) Units with a new variable frequency drive (VFD) odor control exhaust system as part of an initiative to install a new gravity belt thickener system within the existing dewatering building. Designed the system so that room pressure sensors controlled VFDs on the HV units via PLC logic so as to maintain constant negative pressure in the room regardless of the operating schedule of the odor control exhaust system.

Cedar Creek WPCP Sludge Dewatering Facility Improvements – Hempstead, NY
HVAC Construction Costs: $2 million (approx.)

Served as Lead HVAC Engineer responsible for the HVAC design to support the creation of the new process facility where sludge dewatering tanks were to be demolished and replaced with a new gravity belt thickener facility within the existing dewatering building. Design included HVAC calculations, equipment selection, duct and piping layouts, and interconnecting controls systems for four (4) new heating and ventilating units, associated exhaust fans, and one (1) control room air conditioner. Responsibilities involved cost estimation and bid document production, including drawings and specifications.

Timothy Cheatham, P.E.

Associate

EDUCATION

B.E., Civil Engineering, Cooper Union, 2001
M.E., Environmental Engineering, Manhattan College, 2007

PROFESSIONAL LICENSE

Registered Professional Engineer, New York/2006/[redacted]
Registered Professional Engineer, New Jersey/2011/[redacted]

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

RELEVANT EXPERIENCE

Mr. Cheatham has over 13 years of professional experience in the areas of Environmental, Structural, and Civil Engineering. Mr. Cheatham has designed numerous water and wastewater facilities. These have ranged from 25 gpm facilities to 2 bgd facilities. All designs comply with local building codes and the GLUMRB "Ten States" standards for water and wastewater facilities. He has also performed numerous inspections of existing facilities for structural and mechanical deficiencies.

Current Assignment: Dissolved Air Floatation Thickener. Westchester County DPW. Contact Leah Radko, PE, (914) 995-2471. Estimated completion date, Summer 2015. 60% of time.

Repair Construction and Rehabilitation of the Little Dam Lake Dam, New York. Project Engineer – all permitting for this project including the preparation of a NYSDEC/ACOE joint application. As part of this application a mitigation plan for the Northern Cricket Frog (a NYSDEC endangered species) was prepared.

Design Engineer for Route 9G Connection for Dutchess County Water and Wastewater Authority. Project involved the construction of approximately 7,500 linear feet of new water distribution mains within an existing system to connect existing piping terminations and improve system redundancy and pressure distribution. Piping was ductile iron and varied in size from 6" to 16" diameter. Specific elements designed included upgrade and calibration of the existing water distribution system hydraulic model, use of the model to evaluate several alternative piping configurations and sizing alternatives, preparation of the Storm Water Pollution Prevention Plan, and preparation and coordination of permitting documents for regulatory agency review.

Design Engineer for Replace Water Tank and Replace Water Main at the Otisville Correctional Facility for NYS Office of General Services, Department of Correctional Services. Project involved the construction of a new water storage tank, the construction of new supply force mains and distribution water mains to connect to the existing distribution network, the installation of several pressure reducing valves throughout the existing network, the demolition of the existing water storage tank, and the remediation of lead and asbestos contaminated soils. Specific elements designed include the new storage tank and appurtenances, storage tank foundation, temporary site access road, soil erosion and sediment control measures, and the preparation of a detailed Storm Water Pollution Prevention Plan (SWPPP) in accordance with NYSDEC GP-02-01. The construction details and requirements were coordinated with DOCS security requirements.

Hydraulic Model for the Staatsburgh Water System, New York.
Project Engineer for the development of a hydraulic model for the Staatsburgh water distribution system, including pumps, storage tanks, piping and pressure reducing valves. Project included analyses of different flow conditions as well as field testing to calibrate model.

Design Engineer for Westlake Trunk Sewer Rehabilitation for Westchester County Department of Public Works. Project involved the rehabilitation of approximately 2,400 linear feet of 12-inch diameter ACP and RCP gravity sewer pipe and approximately a dozen manholes to reduce infiltration and inflow into the sanitary sewer system. Rehabilitation included cured-in-place-pipelining, grout injection and manhole frame and cover replacement. Specific elements designed include the CIPP lining system, sealing of manhole risers by grout injection, installation of manhole frames and covers, and maintenance and protection of traffic measures. The project site was located within the New York City public water supply watershed and additional environmental controls were required due to the sensitive location.

Design Engineer for Catskill / Delaware Water Treatment Ultraviolet Light Disinfection Facility for New York City Department of Environmental Protection. Project involved the construction of the world's largest ultraviolet (UV) light drinking water disinfection facility with an ultimate capacity greater than 2 billion gallons of treated water per day. Design included an approximate 2-acre footprint disinfection building with 56 UV disinfection units, connections to the existing aqueducts, energy dissipating chambers, valve chambers and flow meter chambers. Specific elements designed included all structural work for a below-grade, 65-feet by 40-feet flow meter chamber and a below-grade, 120-feet by 25-feet valve chamber. Additional elements designed included structural steel framing including columns, beams, and bracing members, to support aluminum access grating for a number of structures at the site, including access to all 56 UV disinfection units. All design was completed in accordance with current ACI and AISC codes.

Design Engineer for Central Dutchess Water Transmission Line for the Dutchess County Water & Wastewater Authority. Project involved the design of approximately 70,000 linear feet of ductile iron water transmission line, including seven bored and jacked NYSDOT Highway, MTA railroad and stream crossings, and a 5,000 square foot pumping station. Specific elements designed include pipeline alignment, valves, hydrants, water meters and backflow prevention, road and minor stream crossings, thrust restraint, corrosion protection and all structural work associated with valve and water meter vaults, including foundations, walls and roof beams and slabs. Coordinated design of pumping station with pipeline. Also designed all erosion and sediment controls and prepared the Storm Water Pollution Prevention Plan (SWPPP). All design was performed in accordance with current AWWA, Ten States and ACI standards and codes.

Design Engineer for Readiness Center Addition for the DMNA Headquarters at the Latham Armory for NYS Office of General Services, Division of Military and Naval Affairs. Project involved the construction of approximately 13,000 square feet of classrooms, administrative offices, locker rooms and storage areas adjacent to the existing Armory building. Specific elements designed include all civil and site work including utility and pavement relocation and replacement, additional parking for both privately operated vehicles and military operated vehicles, the design of new and upgrades to existing stormwater conveyance and detention facilities, and the preparation of a detailed Storm Water Pollution Prevention Plan (SWPPP) in accordance with NYSDEC GP-02-01. The construction details and requirements were coordinated with OGS and Army National Guard requirements.

Design Engineer for Primary System Rehabilitation for the Yonkers Joint Wastewater Treatment Plant for Westchester County Department of Public Works. Project involved the rehabilitation of several systems and facilities servicing the primary treatment system at the plant. Specific elements designed include the replacement of sludge storage tank mixing pumps; installation of mixing nozzles and piping in the sludge storage tanks; replacement of an air compressor for instrument air; design of an extherm for the destruction of waste sludge digester gas; replacement of the roof membrane and insulation on one of the sludge digesters; and building drainage improvements. Replacement equipment was designed such that operation of the existing system could be maintained during construction.

David Han, P.E.

Structural Engineer

EDUCATION

Bachelor of Engineering in Civil Engineering - Stevens Institute of Technology, Hoboken, NJ, 2008

CERTIFICATIONS

Registered Professional Engineer: New York

ACTIVITIES

American Society of Civil Engineers
American Institute of Steel Construction

RELEVANT EXPERIENCE

2007-Present
Structural Engineer - Responsibilities include work on numerous water, wastewater and building projects. All design work was in accordance with the New York State Building Code, New York City Building Code, including the appropriate seismic provisions, AISC Manual, and ACI Codes.

North River Water Pollution Control Plant – Cogeneration Design
Performed structural analysis of an existing steel framed, reinforced concrete structure to determine the maximum allowable loading in order to support new equipment associated with new pumps, motors and engines. Completed preliminary structural design of additional steel framing to an existing floor to support new motors.

New Rochelle Wastewater Treatment Plant – Upgrade and Expansion
Detailed structural design of all reinforced concrete and precast concrete components associated with the new BAF facility. This included N-Unit structures, DN-Unit structure, intermediate pumping state structure, UV Facility structure and NaOH structure. All structures were designed in accordance with ACI-350 - 2006.

Green Haven Correctional Facility, Wastewater Treatment and Water System Improvements, NYSOGS. Design services for improvements to the existing wastewater treatment plant and the water distribution system at the Green Haven Correctional Facility. The approximate 300,000 gallon per day wastewater facility includes preliminary screening, followed by extended detention in an aerated lagoon and ultraviolet light disinfection. The water system includes several pumped wells, a softening plant, storage tanks and a booster pumping station.

Westchester County Asset Management Program
Performed inspection of 19 pumping stations and five wastewater treatment plants to identify structural deficiencies in the steel and concrete facilities. The inspections included visual observation and sounding of concrete elements. All inspections were conducted in accordance with ACI inspection standards. The facilities inspected included:

- Below-grade tanks – grit removal, primary and secondary sedimentation, aeration, and disinfection.
- Above-grade tanks – sludge thickeners, primary and secondary digesters.
- Superstructures – process buildings, administration buildings, pump stations.

Inspections included identifying corrosion, cracks, section loss, misalignment, and other elements in need of repair. The repair of the deficient elements was prioritized based on risk of failure.

Canastota CSO Facilities, Canastota, New York
Detailed structural design of a timber pile supported, reinforced concrete Headworks Building and a steel H-pile supported reinforced concrete foundation for a glass lined CSO storage tank with an approximate capacity of 750,000 gallons.

Pleasantville Alum Plant – Caustic Soda Storage and Feed System
Structural design of reinforced concrete foundation associated with a new caustic soda containment building for the New York City Department of Environmental Protection.

Wards Island Water Pollution Control Plant – Concrete Evaluation
Performed concrete evaluations of multiple aeration tanks and grit chambers at Wards Island.

- Visual inspection and documentation of structural deficiencies.
- Utilized the Windsor Pin System to test for compressive strength of concrete.

New Rochelle Wastewater Treatment Plant – Upgrade and Expansion
Structural design of concrete and steel elements.

- Design of a multi-story steel framed building.
- Design of multiple new concrete structures (tanks, retaining walls, foundations) as well as rehabilitation and retrofitting of existing concrete structures.

Structural Engineer, Replace Water Tank and Replace Water Main at the Otisville Correctional Facility for NYS Office of General Services, Department of Correctional Services. Project involved the construction of a new water storage tank, the construction of new supply force mains and distribution water mains to connect to the existing distribution network, the installation of several pressure reducing valves throughout the existing network, the demolition of the existing water storage tank and the remediation of lead and asbestos contaminated soils.

Siphon Chamber Walkway Restoration
Performed field inspections and condition assessments for multiple siphon chambers.

- Inspections consisted of sounding of concrete elements, visual documentation of cracks, exposed reinforcing steel and areas of structural deficiency.

Catskill / Delaware Water Treatment Ultraviolet Light Disinfection Facility
Structural design of concrete elements (columns, beams, roof beams, structural slabs) for the flow meter chamber and valve chamber. This $1.2 billion project is the largest of its kind in the world.

New Baltimore UV Building
Structural design of a reinforced concrete foundation associated with a new UV disinfection facility at the New Baltimore rest area for the New York State Thruway Authority.

Thomas W. Storrie, P.E.

Senior Structural Engineer

EDUCATION

BSCE - Cornell University, 1971

PROFESSIONAL REGISTRATIONS

Professional Engineer: New York, Michigan, Ohio, Missouri, Maryland, Delaware, Virginia, District of Columbia, Massachusetts

PROFESSIONAL MEMBERSHIPS

ACI - American Concrete Institute

AISC - American Institute of Steel Construction

SEAoNY - Structural Engineers Association of New York

RELEVANT EXPERIENCE

Technical Expertise

- Structural Engineering
- Civil Engineering
- Geotechnical Engineering
- Building Design
- Design Build
- Value Engineering
- Code Reviews

Experience

Responsible for the engineering design of complex projects which, includes planning, engineering design, coordination, cost estimates, bidding supervision and construction management. Preparation of the contract documents which includes the advertisement, information to bidders, special conditions, bid items, payment items, technical specifications and design drawings.

Responsible for the detailed technical reviews, value engineering workshops and code reviews of completed design material.

Geotechnical evaluations and design and coordination of soil borings and laboratory analysis programs. Design of shallow foundations, mat foundations, deep foundations and uplift foundations.

Structural analysis and design – Steel, reinforced concrete, wood and aluminum.

Material and coating selection – evaluation of environments relative to protective coating of materials.

Code review and conformance analysis.

Project management and construction administration.

Schematic design, design development, programming, planning & feasibility studies.

Project cost estimating.

BUILDING PLANNING AND DESIGN

Responsible for building planning and design which includes responsibility for layout, code review, materials, selection, structural analysis and design of municipal and industrial buildings. Evaluation of building frames and design of cast-in-place concrete construction, precast concrete construction, structural steel construction and timber construction. Building planning and layout programs have been performed for manufacturing operations, industrial and municipal process treatment facilities, pumping stations, materials handling areas and office areas.

Building and structure renovations have been performed to change and/or modify the use of the structure, repair long-term deteriorations, and bring the structure up to code.

Projects-Commercial Buildings

Verizon Wireless, Cincinnati MSC No. 2 switch building design, Cincinnati, OH
Verizon Wireless, MSTO switch building design, North Greenbush, NY
Verizon Wireless, Switch building design, Buffalo, NY
Verizon Wireless, Bridgeville MSC #1Switch building design, Bridgeville, OH
Geddes Town Hall, 11,000 ft2 Town Hall addition, Town of Geddes, NY
Corning Incorporated, 250,000 ft² Manufacturing Facility – Phase 1, Corning, NY
Corning Incorporated, 100,000 ft² Manufacturing Facility – Phase 2, Corning, NY
Proctor & Gamble, Six single-story facilities totaling 500,000 ft2. Cape Girardeau, MO
USP&FO/ANG IDC, Communications-Electronics Building, Hancock Field, NY
Air National Guard, 12,500 ft² Aerospace Ground Equipment Facility, Hancock Field, Syracuse, NY

Projects-Building Rehabilitation

Cayuga County, Court House Rehabilitation, Auburn, NY
Cayuga County, County Office Building Rehabilitation, Auburn, NY
U.S. Air Force, three-story, 16,000 ft² Building Renovation, Pope Air Force Base, NC
U.S. Air Force, one-story, 2,500 ft² Building Renovation; Pope Air Force Base, NC
U.S. Air Force, one-story, 4,000 ft² Building Renovation; Pope Air Force Base, NC
Green Haven 2,100-ft2 WWTP Control Building Renovations, Green Haven NY

BRIDGE DESIGN

Responsible for layout, materials selection, structural analysis and design of highway bridges. Evaluation of existing bridge facilities and design of repairs and modifications. Planning and layout programs have been performed for pedestrian and highway bridges.

Pyramid Crossgates Company, 170-ft two span composite plate girder Highway Bridge, Crossgates Mall Development, Albany, NY
Pyramid Crossgates Company, 95-ft single span composite rolled girder Highway Bridge, Crossgates Mall Development, Albany, NY
Pyramid Crossgates Company, 55-ft single span composite rolled girder Highway Bridge, Crossgates Mall Development, Albany, NY
Niagara Mohawk, 30 ft single span bridge deck replacement for railroad bridge, Oswego, NY
Niagara Mohawk, 80 ft single span highway bridge deck replacement, Oswego, NY
City of Syracuse, 53-ft span West Colvin Street Bridge Bridge Replacement, Syracuse, NY
City of Syracuse, 47-ft span Gifford Street Bridge Bridge Replacement, Syracuse, NY
Seneca County, 252-ft three-span steel truss pipe bridge, Seneca County, NY
City of Wilmington, 82-ft two lane Lancaster Avenue bridge replacement, Wilmington, DE
City of Wilmington, 72-ft two lane Fourth Street bridge replacement, Wilmington, DE
Cayuga County, Emerson Park Bridge, two-lane, pile supported 80-ft span highway bridge, Auburn, NY
Town of Cicero, 50-ft span, two-lane Volmer Creek Bridge Replacement, Cicero, NY

ELECTRICAL SUBSTATIONS

Responsible for the structural and foundation design of electrical substations, related buildings and facilities. Responsible for the development of the subsurface investigation programs, coordination, drawing development, preparation of specifications and contract documents, shop drawing review and construction supervision.

Responsible for studies to evaluate and analyze existing electrical substations and related facilities. Supervision of designs to implement the necessary rehabilitations, modifications and expansion activities.

Madison Wind Energy Project, Electrical Substation, Madison, NY
Fenner Wind Energy Project, Electrical Substation, Madison County, NY
Noble Wind Energy Project, Two Electrical Substations, Clinton County, NY
Salamanca Frank Street Electrical Substation addition with secondary containment for two 10 MVA transformers, Salamanca, NY
Akwesasne Mohawk Casino 34.5 kV substation with secondary containment and firewall for two 7.5 MVA transformers. St. Regis Mohawk Tribe Akwesasne, New York
Rockville Centre 34.5 kV distribution substation with secondary containment and firewall for two 12 MVA transformers
Long Island Power Authority 34.5 kV ring bus substation, Long Island, NY
34.5 kV substation with secondary containment for one 5.0 MVA transformer, Brocton, NY
Ithaca College 34.5 kV substation with two 7.5 MVA transformers and secondary oil containment, Ithaca, NY
Lockheed Martin 115,000 V substation with 4-115 kV breakers, 2-7.5 MVA transformers, secondary containment, firewall, Liverpool, NY
Hamilton 10,500 kVA expansion to Village's 46 kV substation, Village of Hamilton, NY
Watkins Glen 34.5/2.4 kV, 5 MVA substation, Village of Watkins Glen, NY
Wellsville 6250 kVA addition to Village's State Street Substation, tie breaker installation, including protective relaying and voltage regulator modification for Village's 115: 34.5 kV supply substation, Village of Wellsville, NY
Westfield 34.5/4.8 kV, 16 MVA substation and modifications to existing 115 kV and 34.5 kV substations, Village of Westfield, NY
Salamanca 115 kV, 18 MVA, low profile substation, City of Salamanca, NY
Bristol-Myers Squibb 38 kV, 28 MVA substation with 38 kV ring bus, Barceloneta, Puerto Rico
ABB Power T&D 138 kV, 180 MVA substation

TELECOMMUNICATION FACILITIES

Responsible for the structural and foundation design of towers, electrical buildings and related facilities for telecommunication facilities. Development of subsurface investigation programs, design drawings, specifications and contract documents.

Tower Foundations Verona-Oneida East, NY
Baldwinsville, NY
Hawleyville, CT
Stamford, CT
Empire, NY
North Syracuse Water Tank, NY
Brewerton Water Tank, NY
Time Warner Syracuse, NY
Avon Mt. (guyed tower), CT
Wilton (self supporting towers), CT
Greenwich (self supporting tower), CT
Middlebury (self supporting tower), CT
West Rock Ridge (self supporting tower), CT
North Medical Center, NY
New Canan, CT
Bridgeport, CT
Woodland, CT

Delsa Fermin

Construction Inspector

EDUCATION

Masters of Science in Construction Management, Polytech University, 2010
Civil Engineering, Pontificie Universidad Catolica Madre y Maestra (PUCMM) Santiago, Dominican Republic, 2001

CERTIFICATION

ACI Special Inspector
Scaffold UserTraining, OSHA 10 hr, OSHA 30 hr, Confined Space awareness

COMPUTER SKILLS

Microsoft Excel, Microsoft Word, Microsoft Power Point, AutoCad, Primavera – P6

RELEVANT EXPERIENCE

2008-Present
Paerdegat Basin CSO
Civil Engineer/Inspector
Assist with construction management for DEP (Department of Environmental Protection) on Paerdegat CSO Project - Project included the construction of a waste water channel. Ms. Fermin's daily responsibilities in the field included the inspection of: Excavation, forms works, concrete placement, installation of reinforcement, backfilling for road construction, construction of road ways including sub-grade to asphalt finish and landscaping. Her responsibilities in the office were to inspect and coordinate with DEP throughout the project, from the onset of design, through the construction and finish work to maintain quality standards while maintaining a mandated schedule deadlines review. In addition, she was responsible for negotiation and coordination of any RFI / COR submissions from the General Contractor. Throughout the day additional responsibilities included monitoring of daily work activities throughout the project to maintain safety standards as outlined by the DEP, DOB and OSHA 1910 / 1926 regulation standards.

2006-2008
Professional Contractors, Inc.
Project Management
Assist with construction management responsibilities for retail store and office suite remodel projects. Duties included reviewing of blue prints for overlay conflicts between disciplines, site visits for quality control and problem solving, project turn over and generating of punch list for clients.

2002-2004
BP& Associates Santiago, Dominican Republic
Supervising Engineer

- Project management and supervision of residential and commercial projects. New construction for private residence and apartment complexes (general construction).
- Design solid waste removal system for land development projects.
- Project management for the installation of solid waste removal plumbing. Trouble shoot as required per field conditions to complete project at hand.

2001-2002
Marte Castillo Construction Co., Santiago, Dominican Republic
Supervising Engineer

- Project management and supervision of streets, curbs, gutters and sidewalks.

- Project management and supervision of waste and supply water systems to ready location for the general construction of residential dwellings.
- Project management and supervision of residential and commercial projects. New construction for private residence and apartment complexes (general construction).
- Completion of company payroll process for the projects directly supervised by writer.

2000-2001
Caraasan, Santiago, Dominican Republic
Project Manager/Superintendent

- Design solid waste removal system for land development projects.
- Project management for the installation of solid waste removal plumbing. Trouble shoot as required per field conditions to complete project at hand.

Ken C. Odum

Construction Inspector

EDUCATION

University of Turku, Turku, Finland
Master of Science in Geology, 1995

CERTIFICATIONS/TRAINING

Masonry Design and Construction Training - 2010
Asphalt Institute - Hot Mix Asphalt Training - 2009
ACI Training, Repair of Concrete Bridges, Parking Decks, and Other Transportation Structures - 2008
ACI, Concrete Reinforcement and Concrete Repair Inspection for Transportation Structures - 2006
Structural Steel and Bolting Inspection - 2009
Masonry Society - Special Inspection of Structural Masonry - 2009
OSHA 10 hour Construction Safety- 2008
ACI 1 - Concrete Field Testing
ACI Special Inspector
NYS Certified Asbestos Inspector
NYS Certified Project Monitor
NYS Certified Asbestos Air Sampling Technician
NYS Certified Asbestos Project Designer
NYC Certified Site Safety Manager
Lead Inspector/Risk Assessor

RELEVANT EXPERIENCE

2000-Present
Construction Inspector – Port Authority of New York and New Jersey – Inspected and desk audited various port projects including:

Port Street and Brewster Road Connector.
New Jersey Marine Terminal Marine Rehabilitation.
New Jersey Marine Terminal Immediate repairs via Work Order.
New Jersey Marine Terminal Paving and Utility Via Work Order.
New Jersey Marine Terminal Multi – Facility Fender System Rehabilitation Via Work Order.
PN - 654.089 Maintenance dredging (Port Newark, Berths 18, 20 & 22)
MFP - 654.058A Maintenance dreging Port Newark and Elizabeth
MFP - 654 .126 NJMT Pavement and utility via work order
MFP - 954.701 NJMT Concrete roadway rehabilitation
MF - 100.538 NJMT Phase 111 CCTV camera system
MFP - 654.073 NJMT Priority marine rehabilitation via work order
MFP - 654.125 NJMT Asbestos and Lead abatement via work order

Mr. Odums responsibilities include:

- Multi-Facility maintenance dredging and berth deepening
- Port Newark container terminal berth deepening
- Paving and utilities at 1300& 2200 series
- Water main replacement at Maracaibo and Calcutta Streets
- Installation of marine terminal emergency warning system
- WTC emergency clean-up, steel removal operations and by weeks marine

- Tyler Street railroad track upgrade.
- Berths 2 through 36 wharf repairs (PN354.034)
  - Replace timber line and interior pile
  - Replace timber pile with post and concrete extension from pile cap to mud line
  - Clean and wrap timber piles
  - Clean and patch spalled concrete pile caps, deck soffit etc.
  - Install concrete jackets, replace broken or missing bollards, utility box covers and cleats
- Asbestos and lead abatement via work order (MFP 234.034)
- Replacement of water meters (MFP 954.566)
- Demolition of buildings 102, 110, 190, & 321 (PN 924.565)
- Building demolitions and construction of expressrail tracks 9 & 10
- Expressrail Elizabeth administration building (EP 384.060)
- Multi-facility fender system repairs via work order (MFP 954.911)
- Multi-facility wharf rehabilitation/reconstruction via work order (MFP 994.580)
- Immediate repairs (MFP 100.533)

1997- 2000
Inspector
- Construction management, for asbestos remediation, Queens midtown tunnel including, soil and water sampling and indoor air quality survey

1990-1992
Field Geologist
- Gravel and bedrock deposit field studies, including diamond drilling for road usage.
- Soil – Moisture content studies using Troxler

1986-1990
Field Geologist
- Mining Supervisor, involved in studying soil and rock characteristics and advised on best mining methods

1986-1995
Exploration Geologist
- Worked with team of geologist exploring and drilling for gold

Wahaj Warsi

Construction Inspector

EDUCATION

B.S. in Civil Engineering - NED University of Engineering & Technology, Karachi, Pakistan, 1981
Diploma PC LAN Engineer – Prime Tech Institute, Toronto, 1998

CERTIFICATION & TRAINING

ACI Concrete Field Testing Technician Grade 1 Cert. # [redacted]
ACI Concrete Construction Special Inspector 2 Cert. # [redacted]
Structural Steel and Bolting Inspection (completed course work)
Structural Welding Inspection (completed course work)
HOT WORK PERMIT, PAI (Permit Authorizing Individual)
8 Hour HAZPOWER, Refresher Course
40 Hour HAZWOPER
Confined Space Entry
Q/C Resources Training Course
OSHA 10-Hr Construction Safety and Health Course
Work Zone Safety Awareness

RELEVANT EXPERIENCE

March '12-Present
Civil Inspector – DDC Rehabilitation Project, Brooklyn, NY. $20 Million Rehabilitation Project of sidewalks which covers all of the five boroughs - The project involves the rehabilitation of sidewalk, driveways, milling and paving in order to match the existing grade with the catch basins of catch basins. Responsible for the construction inspection for conformance with the plans and specifications, and reports any deviations to the Resident Engineer. Prepare and maintain daily construction inspection reports, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain payment records, including the verification of the Contractor's time and material sheets, and assist in the review of the Contractor's partial payment requests. Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Coordinate with the contractor towards the preparation of the CPM schedule. Monitor contractor's work progress based upon his approved construction schedule and report any deviation. Perform all other inspection and field duties as required by the Resident Engineer.

Oct. '09-Jan. '12
Civil Inspector – Techno Consult, Inc., Princeton NJ - $1.5 billion Newtown Creek Wastewater Treatment Plant, NY – The project involves the completion of significant upgrades to the structures and systems that treat wastewater from a combined sewage treatment system. Some of the project elements include improvements to the plant bar screens, electrical, plumbing, HVAC, and controls and instrumentation upgrades, new screening and control buildings, new barge facilities and site work. The plant was undergoing a major capital improvement and upgrade program to expand its intended capacity from 1.2 to 1.8 cubic meters per day – a 50% increase. Process improvements will result in dramatic reductions of biochemical oxygen demand (BOD), and will help bring NYC into compliance with the secondary treatment standards required under the Clean Water Act. Responsible for the construction inspection for conformance with the plans and specifications; prepare and maintain daily construction inspection reports; maintain payment records, including the verification of the contractor's time and material sheets, and assist in the review of the contractor's partial payment requests. Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings and monitor contractor's work progress based upon his approved construction schedule and report any deviation.

Jul. '04-Sept. '09
Civil Inspector/Cost Engineer - $155 million Delaware Aqueduct Rehabilitation of Shafts 9, 10 & 18 for NYCDEP, Carmel/Kent, New York – The project consists of replacing all existing sluice gates and operators; Remediate hazardous materials including lead paint, asbestos, mercury, and PCBs; Replace existing incremental valves and piping; Replace existing manually cleaned screens with mechanically cleaned screens; Install a new chlorination feed system in a building addition; Install a chlorine gas scrubber; Replace all un-watering and sump pumps; Replace house water system, including a new separate potable water system; Construct a new water quality station; Provide improved entrance and parking area; Install a new emergency power generator in a dedicated structure; Dredge influent channel of sediment; Upgrade electrical and HVAC systems; Replace chemical feed and storage facilities, including chemical unloading stations; Replace all un-watering and sewage pumps; Install a new water quality station; Install a separate potable water system; Replace the flat roof over the Operator Building; Install an emergency power generator in a dedicated structure; Provide improved entrance and parking area; Upgrade electrical and HVAC systems; Stabilize eroded embankment.

As a Cost Engineer, Mr. Warsi was responsible for checking and reviewing certified payroll, prevailing wages and daily report with the Inspector's Reports; Checking quantities and the percentage of work done during the month at different sites to make sure that they are correctly presented in the requisition; verify pencil copy of the invoices with the Site Representative and notify the contractor of any deviation to be incorporated in the final copy of the Invoice; Send out request for Insurance verification for the contractor and their sub-contractors to NYCDEP; Review final copy from the pencil copy and start processing payment and update payment log in the system and make power presentation for NYCDEP Auditors.

As a Civil Inspector, he was also responsible for supervision and inspection of structural steel, placing and splicing of rebar, quality and quantities of reinforced concrete in compliance of project specification. Supervision of storm water and sewer water pipes (gravity & force main) inverts and elevations of distribution network containing of pump stations man holes and cleanouts. Supervision in storm water prevention protection plan, supervision of site safety and assure local and state regulation, assisting Deputy Resident Engineer, interfacing both, site main office and field office. Also responsible for keeping track of scope of work, machinery, man power and T&M items, supervision of demolition work and disposal of debris according to city and state regulation.

Mar. '03-June '04
Civil Inspector - $25 million Kensico Flow Improvement and Contr. Project, Upstate New York - The project is divided into three phases: Phase I– Construction of a Dividing Wall Buttress at Hillview Reservoir Phase II– Kensico Flow Control Modifications, construction of the Flow Control Structure. Phase III– Construction of the Hill view Cover. Flow Control Modifications - Shaft 18 & 19. The new structure includes access man-ways for inspection of the structure and accompanying supply conduits as well as stop plank grooves with removable concrete planks at the ground elevation for isolation of the supply conduit sluice gates. The structure will also include a connection with piping and a blind flange for a future drinking water connection for the Town of Mount Pleasant and a similar connection for a water supply to a future water fountain in the existing Aerator. Proposed modifications to Shaft 19 of the Delaware Aqueduct consist in removal of the existing concrete weirs and provision of a new vent structure at the shaft if necessary. These modifications will reduce head losses through the structure, and increase the flow discharge capacity of the aqueduct. Responsible for the construction inspection for conformance with the plans and specifications, and reports any deviations to the Resident Engineer. Prepare and maintain daily construction inspection reports, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain payment records, including the verification of the Contractor's time and material sheets, and assist in the review of the Contractor's partial payment requests. Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Coordinate with the contractor towards the preparation of the CPM schedule. Monitor contractor's work progress based upon his approved construction schedule

and report any deviation. Perform all other inspection and field duties as required by the Resident Engineer.

July '01-Mar. '03
Civil Engineer/Inspector - $25 million CSO Abatement Project for the City of Newark, New Jersey. The project was spread out in phases. Phase: I consist of sewer separation projects in the Third Avenue, Orange Street and Bridge Street drainage areas. Specifically, this phase involves the installation of sanitary and storm sewers, cleaning of storm sewers and modifications to existing regulators. Phase II will include the removal of illegal connections from storm sewers in the Meadowbrook, Oriental, Brown, Lockwood, Blanchard, and Haynes Avenue drainage areas, and Phase III includes the construction of ten (10) screening facilities covering 14 outfalls, one each in the Verona, Delevan, Herbert, Fourth, Clay, Rector/Saybrook, City Dock, Jackson/Polk, Freeman and Roanoke drainage areas and four (4) in-ground netting facilities covering 6 outfalls, one each in the Adams, Wheeler, Queen and Waverly drainage areas. Responsible for performing construction inspection for conformance with the plans and specifications, and reports any deviations to the Resident Engineer. Prepare and maintain daily construction inspection reports, which shall indicate the Contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain and update shop-drawing log; coordinate with the field and the design team to resolve conflicts in the drawings; review contractor's Monthly Requisition to conform the percentage completion of pay items. Coordinate with contractor and the Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Perform all other inspection and field duties as required by the Resident Engineer.

Feb. '01-July '01
Construction Inspector – Rehabilitation of Betsy Ross and Commodore Barry Bridges – Delaware River Port Authority, Maple Shade, New Jersey. Responsibilities included performing construction inspection for conformance with the plans and specifications, comprises removal of defective bearing stiffener/plates made of soft metals for main columns, purlins, under deck repair work using special type of the boom lift, truss railing repair work, studs replacement, jacking bridge to desired height in order to replace the main bearing plates, localize paint removal, excavation, embankment, erosion control, landscaping, seeding & sod, planting, hot mix asphalt pavement, traffic control on Authority Roadway, disposal of hazards material as per city & state regulations and report any deviations to the Resident Engineer. Prepare and maintain daily construction inspection reports, which shall indicate the Contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information related to the execution of the work. Maintain and update shop-drawing log; coordinate with the field and the design team to resolve conflicts in the drawings; review contractor's Monthly Requisition to conform the percentage completion of pay items. Coordinate with contractor and the Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Perform all other inspections and field duties as required by the Resident Engineer.

Feb. '00-Feb. '01
Construction/Materials Inspector – Projects: Philadelphia International Airport, PA Pharmaceutical Laboratory – Building #123 & 127 for Hoffman LaRouch – Nutley, NJ and Ryders Crossing Shopping Mall – East Brunswick, NJ – Involved in materials testing and inspection of concrete and steel rebar, asphalt, soil, concrete, for taxiway at Philadelphia Airport, Responsible for quality assurance on highway and bridge rehabilitation projects including inspection and testing material (Asphalt and concrete field and lab), CBR test, soil classification, footing bottom, rebar, fireproofing, pulltest piles, soundness of fine and coarse aggregates, abrasion resistance of stones. Mr. Warsi was responsible for performing construction inspection for conformance with the plans and specifications, and reports any deviations to the Resident Engineer. Prepared and maintained daily construction inspection reports, which indicated the Contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information pertaining to the execution of the work. Maintained and updated shop-drawing log, review contractor's Monthly Requisition to conform the percentage

completion of pay items. Coordinated with contractor and Maintained as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Performed all other inspections and field duties as required by the Resident Engineer.

1988-1997
Project Engineer – Projects: Police Officers' Housing Complex, Karachi, Pakistan, Pipri Thermal Power Station - Responsible for overall project management and close coordination with various Petty Contractors for the projects services and material quality, execution of entire projects of the civil work as well as mechanical and electrical sides of project, making, estimation and costing of the project management, checking of main reinforcement of the building prior to concreting, designing of concrete as requires by the drawing and specification, checking all dimensions of the formwork and structural member and positioning of reinforcement bars, preparation of concerned specimen for compression test and performance of the concrete, carrying out inspection of batching, mixing, placing and curing of concrete as per drawing & specification, making and checking of Bill of quantities, and facilitated the site activities in a professional way.

1986-1988
Civil Engineer – Construction of Qassim Cement Factory – Responsible for carrying out refractory work, routine maintenance of civil work in the different zones of Kiln, cement and cooling. Was also involved in the maintenance and renovation work carried out for the staff quarters and offices located in the colony and plant area.

1984-1986
Quality Controls Engineer – Project: Sudair Water Supply Project, Sudair, Saudi Arabia – Responsible for carrying out all types of test for civil work, laying out main water transmission lines of ductile iron pipes, distribution network of PVC pipes and fire hydrants, carrying out compaction tests, compression tests, and pressure tests for the pipes, checking of levels, and surveying of the project; carrying out daily report of civil work, scheduling different works in connection with masonry, plastering, tile work, checking of placement of reinforcing steel prior to pouring of the concrete, and performed checking of elevations and coordinating with the electrical and mechanical trades. Maintained as built drawings at the end of the project.

David Post

Civil/Structural Construction Inspector

EDUCATION

Associate Degree in Civil Engineering Technology – I.C.S. Center for Degree Studies, Scranton, PA
Butler High School, Butler NJ

SKILLS & AFFILIATIONS

Auto Cad R14 (Sussex Vo-tech Certified Auto Cad course (1994)
OSHA, BOCA and MESHA Codes
The Construction supervisor Building Contractors Assoc, NY
ACI Certified Special Inspector

RELEVANT EXPERIENCE

David Post of Savin Engineers was recently promoted to a supervisory role for all night operations on various construction contracts at the Port Authority's PATH facilities. Mr. Post has over 24 years of experience in construction management and inspection and has been working on PANYNJ projects for over 5 years. His experience includes train station construction work as well as a variety of buildings types. He is an ACI Certified Special Inspector.

2008-Present
Construction Management Term Agreement, PANYNJ – Responsibilities included:

- Supervise, direct and provide technical support for Electrical Contractors on Homeland Security construction projects located throughout the entire PATH train station and tunnel system.
- Provide coordination between related PATH construction projects.
- Supervise work train movements and placement by coordinating with the contractor and providing direction to the assigned train crew.
- Coordinate tunnel and train station construction work with various PATH personnel (Train Masters, Power Rail Men, Communications Department, Signal Department, Yard Masters, Dispatchers, Surveyors, other EIC's)
- Provide Assistant Resident Engineer with written reports (Spreadsheet format) and mark-up pictorial reports of project progress and deficiencies.
- Evaluate and mark-up monthly Payment Requisitions.
- Evaluate submittal logs.
- Provide electrical inspection of contract work performed.

2004-2008
Project Manager – Chrisdon Homes, Inc. – Chrisdon Homes is a general contracting company specializing in construction of pre-fab homes in the $200K to $800K price range. As Project Manager, his responsibilities include:

- Site preparation and foundation design
- Subcontractor negotiations
- Building construction operations
- Material procurement and scheduling
- Specification and Contract Compliance
- Final Inspections

2003-2004
Project Manager – RSA Enterprises, Inc. – RSA is a construction management company specializing in commercial and residential projects in the 1 to 20 mil. dollar range. Project manager for a $2.5 million project at a prestigious New Jersey Golf and Country Club and a $2.1 million jewelry center. Responsibilities included:

- Budget estimated
- Project scheduling
- Site preparation
- Customer relations
- Building construction operations
- Subcontractor negotiations
- Material procurement and scheduling
- ADA compliance
- Change orders-formulation and negotiation
- Specification and contract compliance
- Final inspections

1987-2000
Construction Engineer & Lead Designer – Worked as group lead designer and construction engineer for projects in the 1 to 60 million dollar range, for power plants, mining and quarry operations. Designed bulk material, handling conveyors, steel and concrete structures and g.a.'s with design teams of 5 to 25 employees.

Kwasi John

Senior Construction Inspector

EDUCATION

AAS - Civil Engineering Technology - New York City Technical College
Civil Engineering - Polytechnic University of New York

CERTIFICATIONS

ACI American Concrete Institute
- Trained and certified concrete inspector

ACI Special Inspector
NACE International Corrosion Study
- Trained and certified in corrosion inspection

NICET III Certification
OSHA U.S. Dept. of Labor, Occupational Safety and Health Administration
- Trained and certified in construction safety and health

Leighton Associates Inc. Environmental Health and Safety Trainers
- Lead awareness trained and certified

RELEVANT EXPERIENCE

Senior Structural Inspector on structural, civil and mechanical work with over 13 years experience. Perform detailed inspection of construction work, including rebar installation and concrete pours, to ensure compliance with contract documents, resolve field issues and record quantities and activities.

2011-Present
New Rochelle Wastewater Treatment Plant, New Rochelle, NY
Senior Structural Inspector for Composite Performance Implementation and Plant Expansion and Biological Nutrient Removal Contracts at the 20 MGD, New Rochelle Wastewater Treatment Plant. Total Construction value of the 2 construction projects is $235 million. Project work includes replacement and upgrade of all existing plant process equipment including; headworks, primary clarifiers, pure or secondary treatment and final clarifiers, new electrical service, odor control and solids handling. Biological Nutrient removal project includes new construction of a BAF and UV process trains.

2010-2011
New York City Health and Hospitals Corporation, Queens Hospital
Structural inspector for this $5 million upgrade for a new wing to the Queens Hospital Center. The work included structural excavation and backfilling, temporary sheeting and bracing, 2 new reinforced concrete 27 kV duct banks, a new reinforced concrete retaining wall, storm and sanitary sewer work, and miscellaneous concrete repair work. All concrete work was checked for conformances with ACI 318 and NYC Building Code.

July-December 2009
NYCDEP, Wards Island
Concrete Aeration Tanks Upgrade, modifications, improvements and repairs. Mr. John's work included repairing damaged reinforced concrete y-walls, tank floors, installed new expansion joints, baffle walls, as well as new concrete handrails, and structural support towers for process air piping and headers. New Electrical Substations – Installed piles, foundations, grade beams, steel structural-framing, curtain & masonry walls, roofing, equipment, switchgears and transformers.

Jan-June 2009
New Rochelle WWTP - Senior Structural Inspector for the demolition of obsolete structures and equipment. Work included the removal of outdated equipment and piping, including two former sludge incinerators and their associated pollution control equipment. Coordination of contractor's activities with ongoing plant operations including shutdowns and treatment systems isolation to facilitate demolition activities. Senior Structural Inspector for structural evaluation and repair design for existing steel framing for sludge processing building. Included field inspection and measurements analysis of capacity of deteriorating steel members.

2008 (Vacation Coverage)
Yonkers Joint Treatment Plant, Primary Digester Roof Replacement
Senior Structural Inspector for the Yonkers Joint Treatment Plant, Primary Digester Roof Replacement project. The project consisted of the removal and replacement of the aging steel dome roofs on three anaerobic sludge digesters. Work involved close coordination with plant personnel and the removal contractor as well as the installation of shoring towers and support trusses to secure the roof during removal and the placement of a 330-ton crane for removal of the entire dome assembly as one unit.

2007–2008
Henry Hudson Bridge, TBTA, New York
Senior Structural Inspector for deck replacement of the Henry Hudson Bridge. Supervised inspection of coating application for the protection of structural steel and concrete. Specific elements included inspection of:

- Deck reinforcing and concrete placement and expansion joint installation
- Concrete repairs to existing north abutment wing walls
- Sandblasting and surface prep of existing structural steel
- Metal pan deck installation
- Replacement of navigation lights for bridge.
- Installation of temporary gantry crane hoist on Bridge
- Placement of new lighting control system for bridge.
- Miscellaneous steel repairs

2005-2006
Brooklyn Battery Tunnel Roadway Rehabilitation, TBTA New York
Structural Inspector – **Brooklyn Battery Tunnel.** Mr. John performed inspection on the Brooklyn Battery Tunnel Roadway Rehabilitation Project. Most of this work was performed at night. He performed inspection to ensure compliance with Contract Documents, resolve field issues and record quantities and activities. Inspection included: significant under deck concrete repairs including cathodic protection, placement of 6" ductile iron dry stand pipe embedded in a 24" x24" horizontal trench located on the west wall of the tunnel.

2001–2005
Civil/Structural Construction Inspector – NYSDOT Project - Reconstruction of the Cross Island Parkway and Long Island Expressway Interchange. Inspected pours of 50 year Concrete pavement ramps and on grade work at Interchange, Conducted concrete testing on site (i.e. slump, air, temp., and cylinders). Inspection of pile driving operation for Abutments. Oversaw Pile Driving Operation for S-6 State II (silent pile driving), Drainage, placement, and compaction of subbase. Inspection of asphalt, nighttime MPT inspector. Supervise Jr. Inspectors on various field inspection operations. Inspection of North Abutment Footing. Preparation of take-offs for various items for "order on contracts" and review information with contractor. Participate in field and office meetings with contractor and office personnel. Prepare schedule for daily operations for inspectors.

2001
Sewer Line and Water Main Installation Inspection – Project: HWKP 131 74th Street Brooklyn, NY- Duties included:

- Inspection of installation of sewer line and water main for residential area.

2000-2001
Bridge Construction Inspection – Project: HBK 1051/1052 Third Avenue & Ridge Boulevard Bridges Brooklyn, NY – Duties included:

- Inspection of full demolition of two mason and stone bridges and replacement with precast concrete arch bridges.

1998-1998
Bridge Construction Inspection – Project TANY 97-65B Tappan Zee Bridge Tarrytown, NY – Duties included:

- Inspecting of underwater concrete cutting and core drilling
- Inspection of the driving of 48" pipe piles
- Inspection of underwater concrete placement
- Inspection of bridge painting, including blasting
- Inspection of placement of scaffolding and lead containment for lead paint removal

1999-1999
Bridge Construction Inspection – Project TANY 97-46BP Tappan Zee Bridge, NY – Duties included:

- **Inspection of the marine placement of structural steel members**
- **Inspection of bolted and welded connections**
- **Inspection of the driving of H-piles**

1997-1998
Structural Construction Inspection – Project TANE95-30 I-95 Larchmont, NY – Duties included:

- **Inspection of concrete, asphalt, and subbase placing and testing**
- **Inspection of grading of surface, painting of structural concrete with protective coating**
- **Inspection of placement of under drain systems, and reinforcement bars for concrete placement**
- **Inspection of demolition of concrete decks**

Jason A. Giel

Senior Construction Inspector

EDUCATION

St. John the Baptist Diocesan High School, June, 1995

CERTIFICATIONS

American Concrete Institute Concrete Strength Testing Technician ID#: [redacted] 2004
American Concrete Institute Concrete Field Testing Technician-Grade 1 ID# [redacted] 2002

COMPUTER SKILLS

Windows, Word, Excel, Quadrel, Proficient in use of Internet

RELEVANT EXPERIENCE

2011-Present
Structural Inspector - New Rochelle WWTP - Composite Performance Implementation and Plant Expansion
Structural Inspector for the $235 million plant upgrade and BNR upgrade at the New Rochelle Wastewater Treatment Plant. Performed inspection of erection of a multi-story structural steel framed building. Ensured steel sections were erected in accordance with the plans and specifications. Witnessed torque-testing of bolted connections and radiographic testing of field welds. Assisted in preparing change orders for modified steel connection details as a result of field conditions.

2006 - 2011
Field Inspector (Civil & Mechanical) – NYCDEP Paerdegat Basin CSO-4B Facility Project - Responsibilities include: Daily inspection of quality assurance and quality control of small and mass concrete placement during cold and hot weather conditions to within ACI, SOP, shop drawing and job specifications for a 20 million gallon CSO storage tank slabs, walls, pipe cradle and road base. Daily inspections include:

- Reinforcing steel
- Concrete formwork
- RCP piping installation
- Water proofing
- Concrete finishing
- Removal of mass earth material off site
- Dredging of canal

CSO-5G – Responsibility included daily inspection for quality assurance and quality control of small and mass concrete placement in cold and hot weather conditions to within ACI, SOP, shop drawing and job specifications for connection into existing as well as new CSO system and new plant facilities and garage facility department for DEP. Daily responsibility inspections were as follows:

- Reinforcing steel
- Concrete formwork
- RCP piping installation
- Demolition of existing building and tide gates
- Installation of site security and ornamental fencing
- Day and night roadwork
- Building equipment pads

- Road base
- Asphalt placement (site and road)
- Concrete encasements of building columns
- Site planting of trees and flower vegetation
- Sidewalks and curbs for facility and city roadways

CSO-5H – Responsibility included inspection to within SOP, shop drawings, contract drawings, and job specifications on installation for boil heat piping system and HVAC units with ductwork installation within the office, garage and processing plant for DEP CSO facility.

CSO-6 – Responsibility included daily inspections to within SOP, shop drawings, contract drawings, and job specifications of a nature preserve and ecology center within the borough of Brooklyn. Daily inspections included the following:

- Excavation and removal of mass earth material off site to contract grade drawings
- Excavation and removal of contaminate material
- Removal of tree and invasive vegetation
- Rough grading to contract drawings
- Installation of reinforced silt fencing and debris exclusion fencing along shoreline.

2002 - 2006
Concrete Placement Inspector – NYC DEP QAS Concrete Placement Inspector (Batch Plant and Field) – Responsibilities include:

- Overseeing field-testing and placement on various NYC DEP concrete job sites.

2001 - 2002
Lab Technician Assistant – Responsibilities include:

- Removal of molds from concrete, capping of concrete, and strength testing of PSI in concrete.

1998-2001
Sales Representative – Long Island Paneling – Responsibilities include:

- Supervising customer relations, sales, coordination of building materials to be delivered to construction sites, and reviewing of blueprints and specifications.

1996-1998
Construction Worker – Rooney Brothers Corporation – Responsibilities include:

- Construction of private homes and businesses, including framing and extensions, review of blueprints and specifications, as well as building concrete patios and steps.

Hany Costandy

Construction Inspector

EDUCATION

Bachelor in Mechanical Engineering – Alexandria University, 1994

SKILLS/LICENSES

Computer skills
ISO 9000
ACI Certified Inspector
NJ DCA Special Inspector License
NJ Licensed Inspector for Concrete Placement
NJ State Licensed Inspector for Reinforced Concrete Inspection

RELEVANT EXPERIENCE

February 2014-Present
Project Manager – SCA, DASNY, NYCH projects.

June 2010-Present
Project Manager – Cameron Group, Bayonne, NJ – Responsible for monitoring and coordinating between the different trades and contractor on the job site.

- Generate and approve all change orders
- Observing the quality of work done on the job and trying to keep the time schedule.
- Writing daily reports.
- Schedule the project in logical steps and budget time to meet deadlines
- Inspect and review projects to monitor comp0liance with building and safety codes and other regulations
- Interpret and explain plans and contract terms to administrative staff and clients
- Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants and clients.
- Negotiate Sub-contractors agreements
- Supervise Subcontractors and coordinate their material deliveries
- Supervise Superintendent and staff on the project
- Coordinate with Owner and Owner's Representative requested revisions or errors on drawings and documents.
- Participate in inspections and preparation of punch lists.

2012-2014
Senior Project Manager/Head of Inspectors – Craig Testing Labs, Mays Landing, NJ – Performed site inspections such as concrete sampling, slump, temperature, unit weight, air content (volumetric and pressure methods), rebar inspection (geotechnical probe test), soil compaction tests (nuclear gauge test), soil bearing capacity (dynamic core penetration test). Masonry inspection (Mortar, rebar, grout-durra wall), pile driving inspection, asphalt testing, writing daily reports and organizing work between contractors on site. Report all discrepancies to the contractor, construction manager and structural engineer. Training new inspector to be qualified to work on site and to be qualified for ACI test. Also observing the contractors work and make sure they follow the job specs and requirements.

2004-2012
Head Quality Control Construction Inspector – Atlantic Engineering Labs, Rahway, NJ – Performed site inspections such as concrete sampling, slump, temperature, unit weight, air content (volumetric and pressure methods), rebar inspection (geotechnical probe test), soil compaction tests (nuclear gauge test), soil bearing capacity (dynamic core penetration test). Masonry inspection (Mortar, rebar, grout-durra wall), pile driving inspection, asphalt testing,

writing daily reports and organizing work between contractors on site. Report all discrepancies to the contractor, construction manager and structural engineer. Training new inspector to be qualified to work on site and to be qualified for ACI test. Also observing the contractors work and make sure they follow the job specs and requirements.

1994-2004

Assistant to Purchasing & Technical Manager – Globe Automotive Import – Middletown, NY – Worked with the Purchasing Manager in issuing all the purchase orders and placed them with domestic and foreign suppliers (European, South America and Asian suppliers), negotiate prices with suppliers while maintaining quality; categorize new parts on the online catalog, add the applications for each part; research Mercedes Benz, BMW, Audi and VW on line catalogue to find new items and add to the inventory. Solved all technical problems with customers and sales team.

Alex Serebrennik

Sales Construction Inspector

EDUCATION

MS E in Engineering Technology, State University – New York, NY

CERTIFICATIONS

Boating Safety 2011, OSHA 10 Hours 2011, NJSA 2011, Certified Concrete Filed Testing Technician 2010, Concrete Construction Special Inspector 2011

RELEVANT EXPERIENCE

Highly motivated valuable team-player, fast learning inspection professional with many years of hands-on experience in roads construction industry, very creative, versatile problem solver, aggressive and able to lead seeking a construction inspector position where a valuable construction can be made.

Senior Construction Inspector
NJDOT – Route 35, Restoration (Sandy Restoration) (MP 9.0-12.0) Borough of Mantoloking & Bay Head)
(Sub-contract to Ammann Whitney, Senior Construction Inspector – on a 39 Mil Restoration Project, Inspect General Contractors work involving drainage work (New Drainage Inlets) 4 Pump Stations, upgrading of existing water and sewer mains (Laterals), removal of Existing concrete pavement, new curb/sidewalk, new asphalt pavement, landscaping and TC. Provided video inspection of sewers and hydrostatic pressure tests of the water main. Existing High water table warranted dewatering activities throughout utility excavations. Perform force account monitoring, provided Inspection to 4 Pump Stations.

NJDOT – Weldon Road – Espanong Road Over Route 15 Jefferson Township Contract #MOE113210 Bridge Deck Replacement.
(Sub-Contract to Dewberry) Senior Construction Inspector responsible for Bridge Deck Replacement along with most able Stages on Espanong Road – Weldon Road. Major and complex Removal Deck Replacement, new armor joints, reinforcement steel installation, partial wing wall replacement, parapet, bridge sidewalk, concrete median Center, fence, vertical spall and pier cracks repair and waterproofing, drainage, roadway milling, pavement restoration, surveying structural grades and road alignment. Maintained the purity of the road under the bridge, preventing it from contamination from leaking flows of slurry from the bridge. Involved in MPT Construction Signs installation MPT detours / lane shifts. Assisted the review of shop drawings written procedures and miscellaneous assignments. Successfully cooperate with safety inspector form the NJDOT, fixing all deficiencies and responding to their comment.

Construction Inspector
NJTA, Roadway Improvements at Garden State Parkway and Interchanges 157 and 161. Grading, Paving, and lightning.
Construction Inspector for Contract P300.213 the Authority widening project, electrical and drainage improvements. This project was performed along one of the busiest sections of the GSP and has to goal to reduce a traffic bottleneck at Exit 157 of GSP S.B. and upgrade the lighting systems over Exit 161 of GSP S.B. and N.B.
Responsibilities included supervision/ inspection of construction and quality control activities for earthwork, embankment improvement, sidewalks, driveways, and curbs, new drainage network construction, new electric installation, roadway lighting systems, replacement of existing utility pole mounted lighting with NJTA standard lighting facilities. ITS and facilities, roadway reconstruction, asphalt milling and paving, baseline control, staged construction including extensive maintenance and protection of traffic, signing and striping, utility lines installation under the bridges. Responsibilities also included submittals, daily reports and shop drawings review, filed testing of construction materials.

Senior Construction Inspection
Montville, NJ
Hudson County NJ Rehabilitation of 3 Span Arch Bridge over West Hudson Park Lake. This 6 month widening construction project is being performed in West Hudson Park in Kearny, NJ over the Park's Lake. Responsibilities included supervision / supervision inspection of construction and quality control activities involved the reconstruction and widening of the3 span arch bridge, demolition of old bridge structures and clearing from trees and vegetation. Also included construction of a temporary bridge structure which included modifying the approach to the bridge and adding steps to the stair, installation of girders and other structural streel constructions, pile driving, construction of retaining walls, substructures, and bridge piers.

Structural steel and pre-cast concrete plants inspector
July 2010 to June 2011
NJTA Interchange 6-9 Widening Program and GSP Mullica River Bridge
For clients such as AECOM, PB, IEW, HARMS, RENCOR and other, conducted inspection of precast plants manufacturing for different related projects. Inspected a lot of pre-cast plants in NJ, Maryland and Pennsylvania such as: M & M Precast, Inc., North East, MD; Old Castle Telford, PA; Faddis Concrete Products, PA; NorthEast Precast, Millville, NJ; Concrete Safety Systems, LLC, Bethel, PA etc. Controlled the manufacturing of noise reduction barriers panels and posts, traffic control barriers and different MSE wall panels for different projects (101, 102, 103, 201, 203, 501, 502, 801, 802 etc.), inspected production of culvert boxes for Turnpike. Verified the panel's dimensions with shop drawings and verified their position on Wall elevation's drawings.

Controlled fabrication, welding, cleaning and blasting, galvanized and paint coatings of different steel units such as bridge girders and their parts, piles. Also inspected sign supports used on NJ Turnpike and Garden State Parkway such as butterflies, cantilevers and overheads within a whole process of their manufacturing from the beginning until the shipping. Also inspected quality of manufacturing pre-cast concrete units such as different slabs, sewage units, drainage structures, checked spacing and placement of rebar configuration and their set into forms pursuant to plans; reviewed QC's monthly records for moistures for sand and aggregate and audited the gradation certifications for the concrete aggregate products, cement and reinforcement steel. Controlled consistency of suppliers. Prepared and submitted daily inspector reports to clients providing them with stage of readiness and quality of their products, etc.

Mark Zaki

Construction Inspector

EDUCATION

B.S. in Civil Engineering – Assiut University, Egypt, AR, 2011

CERTIFICATIONS

ACI Concrete Construction
ICC Structural Masonry

SKILLS

AutoCAD (Structural Drafting), SAB2000 (structural analysis), ICDL (Windows, Word, PowerPoint, Excel, Access, Outlook and IT), Surveying Equipment (Totalstation, GPS, Theodolite, Level, Planemeter and Steroscope)

RELEVANT EXPERIENCE

2012-Present
Special Inspector – Queens, NY – Responsibilities include:

- Soil compaction and asphalt inspection and testing using Troxlar
- Concrete and rebar inspection
- Structural Masonry

Douglas Barillas

Construction Inspector

EDUCATION

High School
Instituto Tecnico Vocacional – Guatemala, 1993

SKILLS/CERTIFICATIONS

Welding – SMAW, GMAW, GTAW, FCAW, SAW
CWI (Certified Welding Inspector), ICC Bolting Inspector

RELEVANT EXPERIENCE

Mr. Barillas has over twenty four years of experience in the inspection of structural steel and other steel and metal fabrication. He is a certified welding inspector and is familiar with a variety of welding methods and procedures. He has excellent communication skills and proficient at preparing proper field reports and documentation.

June 2013-Present
Field Inspector – Duties include but not limited to visual inspection of structural steel, field welding and shop welding and high strength bolting inspection. Performed inspection of structural steel installation, welding, bolting and repairs. Inspected columns, beams, girders, splices, connections and field modifications.

April 2005-June 2013
Leadman/Inspector – Leadman/Field Inspector on numerous steel construction projects throughout the New York Metro Area. Projects included: The New York Times Building, Goldman Sachs Building, World Trade Center Tower 1 and Tower 4 and the PATH Transportation Hub.

November 2001-April 2005
Welder Fabricator and Steel Erector – Custom Steel, Kearny, NJ – Worked as a welder and was promoted to layout/fitter. Responsible for fabrication of steel stairs, hand railings, beams and columns. Also worked on the fabrication of aluminum and stainless steel hand railings. Extensive experience in reading and interpreting detailed installation drawings.

May 1997-November 2001
Leadman/Customer Service – Cargo Logistics, Carteret, NJ – Started working on picking and packing. In one year he was promoted to Leadman overseeing 7 people. Also worked in the office as customer service rep.

June 1996-April 1997
Welder/Fitter – Pam International, Garfield, NJ – Worked as a welder/fitter in a production shop using GMAW and GTAW.

Albert Wong

Construction Inspector

EDUCATION

Bachelor's Degree in Aircraft Engineering, The Chelsea College of Aeronautical & Automobile Engineering, UK
Diploma – Major Aero-engines, Instruments, Sheet Metal Work, Electrical & Hydraulic Equipment, Far East Flying & Technical School, Hong Kong, China

QUALIFICATIONS/CERTIFICATIONS

Certified American Welding Society Welding Inspector (CWI)
International Code Council (ICC) Registered Special Inspector for Structural Steel & Bolting
Non-Destructive Testing: SNT-TC-1A (U.T., M.T., P.T. Level II, E.T., R.T. Level I)
Welder's Qualification Test (Q2) in according with ABS procedures

MEMBER

The American Society for Non-Destructive Testing
The American Welding Society
The American Society of Metal
The Hong Kong Institute of Engineers
The British Institute of Non-Destructive Testing (Licensed member)

RELEVANT EXPERIENCE

2010-Present
Construction Management, Engineer, Architecture, Land-surveying, & Material Testing – NY EPA, City Tunnel #3, Stage 2 – Special Inspector for welding, structural steel and bolting – New York, NY – Responsible for witnessing testing and inspection of:

- Welding Certification Test
- Welding Procedure Test
- Welding of stainless steel pipe, carbon steel, pipe, galvanized steel pipe
- Hydrostatic test of pipe systems on pipe size from 1" to 48" in diameter
- Cathodic Protection Test (Corrosion Protection Test of carbon Steel)
- NDT, RT, PT, UT, and RT Film Interpretation
- Structural steel erection and welding
- High strength bolts installation of skid more test
- Aluminum grating and support installation and welding
- Heating and ventilation pipe and support installation and welding
- Load test of telescoping monorail, jib crane, personnel transport elevator
- Installation of chemical grouting, expansion anchor bolt
- Verification of calibration certificates of testing instruments

2006-2010
Quality Control Engineer (Structural Steel) - Fluor EPCM Services – Phoenix Constructors – **World Trade Center Transportation Hub** – New York, NY – Responsible for the management of a comprehensive quality control program for the $4 billion project.

- Led the processing audit on contractors and the documentation and issuance of the non-conformance reports
- Accountable for the review and implementation of the contractor's submittals, quality control program, welding procedure, welder certification record, structural steel erection procedures and punch list record.
- Led the coordination and client interaction for special control inspection and testing, AS destructive testing, non-destructive testing, high strength bolt pretension testing, fabrication ship inspection, and the corrosion protection testing of structural steel and piping.
- Managed surveillance of daily site activities for welding, bolting, and erection of structural steel.

- Managed the relationship with key client management (project manager level) and kept them adequately informed with the timelines and status of required corrective activities.
- Ensured that the contractor's quality personnel are in compliance with the current quality control program
- Permits and certifications obtained in relation to this project:
    - World Trade Center Transportation Hub Security Clearance
    - MTA NYCT track safety training
    - The PATH/The Port Authority of NY/NJ Roadway Worker Protection Training
    - OSHA 10 hour & 30 hour Safety Training

1998-2006
Senior QA/QC Inspector (Structural Steel) – U.S. Engineering Laboratories, Inc. - In charge of the inspection and surveillance of construction work to ensure compliance with contract stipulations.

- Responsible for witnessing various tests and surveillance of operations for fabrication and erection of structural steel work.
- Led the tracking and review of all contractor testing reports and material testing to ensure conformance with specifications.
- Managed project progress and documented problem areas in preparation for the submission of progress and inspection reports.
- Projects for which the above was performed include:
    - Conoco Phillips Bayway Refinery – Linden, NJ
    - Hudson Bergen Light Rail Transit System – Various locations, NJ
    - Merck & Co. – Research Building 820 – Rahway, NJ
    - Battery Tunnel and Mid-town Tunnel Exhaust System – New York, NY
    - Tri-Borough Bridge – New York, NY
    - George Washington Bridge – New York, NY
    - Newark Liberty Int'l Airport, North Cargo Building – Newark, NJ

1995-1998
Defense Contractor/Inspector – Led the quality control group in mechanical measurements, daily in-process inspections, equipment set-up and calibration, and results documentation.

- Responsible for salt spray testing, powder coating, in-coming inspections, final inspections, corrosion protection, and NDT inspections including U.T., M.T., P.T., and E.T.

1992-1995
Supervisor – Non-Destructive Testing Corporation – Responsible for quality control and carrying out all NDT inspections Led R.T., P.T., U.T., M.T., destructive testing, bend testing, hardness testing, and tensile testing.

- Monitored welding procedures and welder qualification tests
- Managed client relationship and acted as liaison between the testing group and the clients.

1987-1992
Contract Manager – Harley System Ltd. Space Frames – Managed engineers' work plan with regards to preliminary scheme design, costing, and erection procedures.

- Monitored factory production, site welding, and daily site activities to ensure compliance with contract terms
- Primary liaison between the architect and engineering team to deliver successful and timely project completion.

1982-1987
Structural Welding Surveyor – John LOK/Wimpey Joint Venture. IQRC Hong Kong Bank New Headquarters – Hong Kong, China – Led the surveillance of the subcontractor's inspection of welding and testing in structural steel work. Supervised non-destructive testing work.

Michael Fradua

Structural Engineer

EDUCATION

B.S. in Civil Engineering – Manhattan College, Riverdale, NY

CERTIFICATIONS

Certified International Code Council (ICC) Special inspector

CORE CAPABILITIES

Design & Inspection Management Administration
Commercial & Industrial Buildings; Project Management; Contract Management; Special Inspection & Reports; Team Leadership; Scope & Budget Development; Emergency Response; Union Workforce Management; Scheduling; Seismic retrofit upgrade; Client & architect relations; Production Drawings; Structural damage assessment; Contractor oversight; Budget monitoring

RELEVANT EXPERIENCE

Mr. Fradua is a structural engineer with over 28 years of experience. He is a Certified International Code Council (ICC) Special inspector. Excellent communicator and team leader who quickly establishes rapport and credibility with diverse stakeholders, including architects, developers, contractors, and local and state agencies. Experience in private and public sectors in US and globally.

January 2011-Present
Director of Special Inspections – Structural – Skyline Engineering, New York, NY – Conduct special inspections of NYC heavy construction projects; both new construction and renovations. Inspections include bolting, welding, masonry, concrete, steel structures, soils, and fire stopping. PE approved to sign and seal structural Technical Reports (TR) for NYC Department of Buildings.

- Ensured safety and structural integrity of rooftop framing and supports HVAC equipment for 60 story building on Wall Street.
- Responsible professional in charge of structural inspection for a high-rise reinforced concrete building.

2008-2010
Structural Engineer - Galli Engineering, Melville, NY – Design and inspect commercial, industrial, residential and environmental building projects, including generating preliminary designs and calculations, preparing drawings, inspecting ongoing construction jobs, and producing reports. Projects include:

- Produced forensic report on commercial building damaged by adjacent Long Island Rail Road construction project.
- Delivered structural design for multi-building/multi-use apartment complex.

2008-2010
Project Engineer – Galli Engineering, Westbury, NY – Inspect and design commercial buildings, including historic renovations, foundations and underpinnings. Monitored demolition, assess load-bearing capacity of foundations and structures.

- Successfully engineered underpinning of historic landmark building in Brooklyn, NY.
- Designed foundations and steel framing for new commercial building; oversaw demolition of existing building.

2005-2008
Assistant Chief Operating Officer, Contract Inspection – NYC Transit – Oversaw outside contractors on NYC Transit operation and capital construction projects. Managed inspection of external construction projects to ensure safety and integrity of NYC Transit routes and facilities.

Supervised 3 directors and managers, and crew of 80 union engineering and field personnel. Represented Transit Authority in emergency response and supervised TA field forces during disasters.

- Oversaw inspection of World Trade Center 7 reconstruction
- Contributed to FEMA regional planning for disaster response in NYC, including terrorist attack & hurricanes.
- Delivered yard paving and facility roofing projects system wide, within budget and on deadline.

1999-2005
Director, Contract Inspection – NYC Transit – Spearheaded project scoping, design, budgeting and inspection of NYC Transit multi-million dollar capital and operation projects, including repair, upgrading and maintenance of system-wide elevated and tunnel structures. Supervised managers and 50 engineering & field staff. Liaison to City, State and Federal agencies.

- Coordinated all NYC Transit operations at OEM Command Center after 9/11 World Trade Center collapse.
- Reopened closed subway lines 2 month ahead of schedule after 9/11.
- Monitored all aspects of Columbus Circle development, including interconnection with subway system.'
- Led NYC Transit engineering team inspecting old Yankee Stadium, coordinating fabrication of emergency support stanchions.

1986-1999
Manager, Contract Inspection – NYC Transit – Led team of 30 engineers and field inspectors to inspect development projects that affected TA facilities in all 5 boroughs. Developed design solutions to underpinning and foundation problem.

Project Manager – Basil Engineering, Consulting Engineers, Italy & Saudi Arabia

Job Captain – Weiskoph & Pickworth, Consulting Engineers, Texas

Feld, Kaminetzky & Cohen, Consulting Engineers, New York City

Eric Davis

Construction Inspector

EDUCATION

KrautKramer Branson School of Nondestructive Testing, Charlotte, NC, 1997
Washington County Technical School, Johnson City, TN, 6/94-4/94

CERTIFICATIONS

ICC Structural Steel & Bolting Special Inspector, Dec. 2013-Dec. 2016
ICC Welding Special Inspector, Jan. 2014-Jan. 2017
Certified Welding Inspector, October 2016
OSHA – 30 Hour, Oct. 2013-Present
30 Hour Occupational Safety and Health Training Course in Construction Safety & Health

RELEVANT EXPERIENCE

June 2012-Present
Superintendent – WTC Oculus, Skanska Koch Inc., New York, NY- Directed all inspections on steel member for fit-up, welding and non-destructive testing (NDT)

- Reviewed and endorsed all daily special inspection and NDT reports
- Closed punch list items related to welding non-conformances
- Tracked progress of all welding and bolting activities
- Quantified and managed development of all NDT procedures, including non-conventional methods and base metals.
- Attended all punch list meetings with client and engineering department
- Witnessed qualification tests for stainless and D1.5 welders
- Tested orbital welding machine for welding procedure of round pipes on site.

January 2011-June 2012
Site Quality Manager/Lead Bridge Inspector – WTC Transportation Hub, DCM Erectors, Inc. New York, NY – Directed all inspections on fracture critical member for fit-up, welding and NDT.

- Reviewed and endorsed all daily special inspection and NDT reports
- Developed critical repair procedures for unacceptable welds and/or poorly fabricated joints
- Performed NDT inspections and in-process welding activities when needed
- Continuous internal auditing of all site CWIs and NDE technicians
- Managed all interaction between contractor's QC and client's QA (Port Authority)
- Attended all punch list meetings with client and engineering department
- Monitored field progress and compliance to required schedule milestones.

June 2010-January 2011
Welding Inspector – URSSA Fabrication Plant – DCM Erectors, Inc. – Performed fit-up verification of joints and in-process welding inspections of assemblies for the WTC Transportation HUB

- Supervised NDT inspection of welds, performing additional inspection as required
- Performed final visual inspection and documentation review for completed assemblies prior to turning over to client's QA.(Port Authority).

September 2006-April 2010
Quality Control Engineer - Archer Western Contractor – RDU International Airport Terminal, Morrisville, NC

- Performed inspection and testing on project's components – RDU International Airport Terminal 2 Renovation/Expansion Project.
- VT, NDT or welded connections
- Verification of bolted connections

- Moisture verification
- Paint thickness verification
- Assistant concrete testing technician
- Mechanical inspections of plumbing, duct, pipe and fire suppression systems
- Ongoing inspections including those requiring owner's representative and/or county inspector's verification
- Coordination of daily activities and testing

June 2002-September 2006
Senior Metals Technician – MACTEC Engineering, Raleigh, NC – Performed NDT and weld inspection at various project sites.

- Structural steel fabrication plants
- Bridge manufacturing plants
- Major pharmaceutical plants (Coordinate inspections/testing during shut down projects as well as performing ongoing inspections of plant pressure vessels.

January 2002-June 2002
Quality Control/Quality Assurance Manager – Southern Monopole & Utilities Co – Steel, AL – Implemented the Quality Control Program during startup of company.

- Qualified welding procedures and welders
- Trained welding inspectors and NDT personnel
- Maintained daily inspection records and performed NDT – Visual, Ultrasonic and Magnetic Particle
- Procured testing agencies for destructive testing of qualification plates.

May 1995-April 1999
Fitter's Helper – Carolina Steel Corporation – Abingdon, VA

- Performed dimensional verification inspections
- Qualified welders – Shielded Metal Arc, Submerged Arc, Arc and Flux Cored Arc Welding Processes
- Performed NDT of welded joints
- Performed coating inspections
- Assisted with fit-up of bridge girders in fabrication plant.

Anna Hrisomallis

Senior Construction Inspector

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

NACE CIP Level I Coatings Inspector
SSPC C3 Supervisor/Competent Person Training
OSHA 10 Hour Construction Safety
Confined Space Safety Certification
Visible Emissions Evaluation

EXPERIENCE

2013-Present
JFK International Airport, Port Authority of New York and New Jersey
Construction inspector for inspection of terminals and roadway modifications.

2011-2012
New York State Thruway Authority
Bridge Painting and Steel Repairs to the New England Viaduct in Westchester County/Rehabilitation of eight New England Thruway Bridges in Bronx and Westchester.
Chief Inspector for all Class A and B Containment Systems, SP-12 Power Jetting, SP-10 Abrasive Blast, SP-3 and SP-11 Power Tool Cleaning and all coating Systems Documentation to the NYSTA as well as Payment Requisitions. Also responsible for MPT along the mainline on I-95, and in the inspection of under deck bridge lighting, which consisted of installing 1" steel conduit with a three phase wiring system. During the winter shutdown period assisted the office engineer with correspondence, created spreadsheets with excel to finalize quantities, and helped with the preparation of Order on Contracts.

On the New England viaduct, Ms. Hrisomallis oversaw all steel repairs including stringer web and stiffener repairs rivet replacement, cap beam stiffener repairs and column brace repairs. All work was completed as per approved shop drawings and New York State Steel Manual. The project was completed with a three coat Carboline coating system.

2011
New York City Department of Transportation, Belt Shore Parkway
A senior construction inspector for the Protective Coating of six BSHP Bridges. Work involved Using Class "1A" Containment System, Performing SP-12 Surface Preparation and Cleaning of the steel by high pressure water jetting,SP-10 Near White Metal Blast Cleaning , SP-7 Brush Off Blast Cleaning and SP-15 Commercial Grade Power Tool Cleaning, followed by Paint System B' - Total Coating Replacement/ Epoxy Zinc-Rich Primer / Epoxy Penetrating Sealer / Epoxy Intermediate / Urethane Finish using Carboline product.

2010 – 2011
QC/HS officer for LIRR for the Atlantic Ave. Viaduct Rehabilitation Phase II. Performed QC painting inspections and worker lead exposure and handling of all documentations for SSPC/QP-1.
Water Tank in New Rochelle. Work included SP-6 Commercial Blast Cleaning and SP-10 Near White Metal Blast Cleaning with the application of four coats of paint including the sealer.

2009-2010
QC/HS Officer for New York State DOT-NYS Thruway – Performing quality control and QC/HC on various bridges for NYSDOT. Responsible for inspections and documentation related to the contractor's OSHA, DEC and EPA compliance matters. Perform QC painting inspections and worker lead exposure monitoring and handling of the documentation for SSPC QP-IIAP-2.

2005-2009
Senior Construction Inspector for New York City Department of Transportation. Performing quality assurance painting inspections on multiple NYCDOT painting projects: Williamsburg Bridge, Manhattan Bridge, Queensboro Bridge, Martha Washington Bridge & East 241st Bridge.

2000-2005
Quality Control Officer and Competent Person – Responsible for inspections and documentation related to the contractor's OSHA, DEC and EPA compliance matters. Performed QC painting inspections and worker lead exposure monitoring and handled the documentation for SSPC QP-IIQP-2 quality control designations for the contractor. Some of the projects worked on include the following:

- Staten Island Expressway – Rehabilitation of 12 Bridges (NYS)
- Kolb Pedestrian Bridge at Riverside Drive – Blasting and Repainting (NYC)
- Queensboro Bridge – Blasting and Repainting (NYC)
- Tappan Zee Bridge – Blasting and Repainting (NYS)
- Fresh Kills Overpass Bridge on West Shore Expressway – Blasting and Repainting (NYS)
- Korean War Veterans Memorial Parkway and West Shore Expressway – Painting of 39 Bridges (NYS)
- Spring Creek Water Treatment Plant in Brooklyn – Maintenance Painting (NYC) Broadway
- Bridge – Bridge – Blasting and Repainting (NYC)
- Sunrise Highway – Maintenance Painting of 11 Bridges (NYS)
- Williamsburg Bridge – Blasting and Repainting (partial) and Maintenance Painting (partial) (NYC)
- Manhattan Bridge – Blasting and Repainting (partial) and Maintenance Painting (partial) (NYC)
- Marine Parkway Bridge – Blasting and Repainting (TBTA)

Edward Obara

Senior Coating Inspector

EDUCATION

PROFESSIONAL REGISTRATIONS

NACE 2
KTA-Tator Coatings Failure
Analysis-Level I, 1996
KTA-Kator Coatings Training, 1999
SSPC-3 Supervisor/Competent Person Training, 1999

PROFESSIONAL MEMBERSHIPS

The Society for Protective Coatings (SSPC)
National Association of Corrosion Engineers (NACE)

RELEVANT EXPERIENCE

Mr. Obara has over 30 years in the coatings industry including 15 years of experience as a coatings inspector. He spent a portion of his career with the New York City Department of Transportation where he served as District Supervisor of Bridge Painting Section. In that position, he managed activities of supervisory and union bridge painters, and he as responsible for major East River bridges and overpasses through the five boroughs. Mr. Obara received excellent work performance reviews by Director of Bridge Painting. He is extremely knowledgeable and experienced with inspection of bridges and other complex steel structures. He has a comprehensive knowledge of OSHA and EPA regulation, as well as climbing and rigging procedure and SSPC Standards. Mr. Obara has performed on-going emergency repairs on various bridges and overpasses. He is experienced with graffiti removal and assigned to the Mayor's Anti-Graffiti Task Force. He is experienced in sand blasting, power tool cleaning, airless spray painting, and testing of new paint systems. In addition, he assisted in designing and erecting containment systems used for lead abatement, maintained equipment and material budget, and coordinated scheduling and personnel overtime.

2011-2014
Verrazano Narrows Bridge, TBTA, NY – Inspector for the abrasive blasting and coating of the lower tower legs, lower tower leg cells and the lower tower strut cells. Also provided inspection for the seismic retro fit of bearings at various locations, oiling of the main cable strands in the anchorages, guard rail installation on the VNB approach from the Belt Parkway, conduit rack repair, both direction entire lower level, installation of 14 stainless steel doors at the toll plaza tunnel. Also the maintenance contract, inspecting scupper and drain cleaning upper level and maintenance painting on the lower level.

2009-2011
Brooklyn Queens Express Bridges, NYCDOT, NY – Chief Coating Inspector for the abrasive blasting and coating of eleven overpass bridges along Brooklyn-Queens Expressway. Various containment enclosure such as rapid deployment containers, platform based and drop down containments are being utilized on this project to accommodate access restriction, community issues, noise control and lane closure restrictions.

2006-2009
Protective Coating of the Queensboro Bridge, NYCDOT, NY – Coating Inspector for this $170 million bridge protective coating project. Responsibilities included existing coating removal and new coating installation.

12/2003-2005
Protective Coating of the Washington Bridge, NYCDOT, NYC, NY – Chief Inspector of the construction inspection services for the repainting of the Washington Bridge. The coating work included abrasive blasting and recoating of the entire structure.

4/2000-12/2003
Broadway Bridge, NYCDOT, Manhattan, NY – Chief Inspector for this project that involved construction inspection services for the repainting of the Broadway Bridge. This project required close coordination with the NYCT, MNR, Coat Guard, and NYCDOT. As a moveable bridge, the scheduling of activities adjacent to trains and traffic is critical to the success of the project. Responsibilities included overseeing all field work and assuring protection of traffic, trains, and pedestrians. The coating work included abrasive blasting and recoating of the entire structure.

1999-3/2000
Goethals Bridge Repainting, Staten Island, NY and Linden, PANYNJ, NJ – Chief Inspector for this project that involved construction inspection services for the repainting of the Goethals Bridge. The work involved deleading the structure by abrasive blasting and application of a new coating system. In addition to coating inspections, oversaw electrical conduit removal and replacement, structural steel repairs, shotcreting and fiber optic cable splicing.

Michael Betanzos

Resident Engineer

EDUCATION

Ulster County Community College, Surveying
Ulster County Community College, Associate in Science

CERTIFICATIONS

American Concrete Institute Certification
OSHA 10 hour Construction Safety- 2006
Troxler Nuclear Testing Equipment Certification
NICET IV (Equivalent)

RELEVANT EXPERIENCE

Mr. Betanzos has over 35 years of experience on major construction projects. In his capacity as assistant NYSDOT materials engineer, he established, implemented and oversaw QA/QC programs related to asphalt and concrete plant production and advised personnel as to equipment and procedures necessary to achieve density required by NYS Asphalt Concrete Density Specs. He is familiar with all aspects of roadway, bridge and utility construction, repair, reconstruction, inspection, and testing. He has been the resident engineer on numerous Thruway, New York Division, projects including TANY 01-5 Rock Remediation; TANY 03-6; TANY 01-60 Noise Barriers and TANY 01-4 Mill/Fill Thruway Mainline. In addition to his technical duties Mr. Betanzos is adept at community relations as it pertains to the construction activities on his projects. He regularly meets with local homeowners, merchants and officials to respond to concerns and keeps the owners staff informed at all times. He recently worked on I84/87 Interchange Phase III Project and recently finished working on a safety upgrades project for the New York State Thruway Authority.

2010- 2013
D213941 - Chief Inspector, TANY 10-18, Safety Upgrades at Mile Post 46.0 thru Mile Post 60.5, New York Division, Orange County
Project consisted of upgrades to the guide rails throughout the project. Drainage upgrade including culvert extensions / replacement, headwall removal and replace A.O.B.E. drainage. Structure alterations at various locations. Flattening of slopes, shoulder backup throughout project. Provided tree trimming and clearing as needed throughout project. Project includes various visual inspections and as needed safety upgrades.
Reference: Darrin Scalzo, (845) 918-2500

2007-2010
D213520 - Senior Construction Inspector, 1-87/I-84 Interchange, Contract 3, NYS Thruway Authority
Senior Construction Inspector for construction inspection services for the I-84/Rt. 300 intersection and highway and bridge work. Project consisted of 7 bridges.
Reference: Darrin Scalzo, (845) 918-2500

2007
D213522 - Assistant to the Project Engineer for the New York State Thruway New High Speed E-Z Pass in Spring Valley. Work included 4 VMS boards and 2 cameras along the New York State Thruway, installation of space frame structure, instrumentation, conduit and related work. Mr. Betanzos was in charge of all field operations and reviewed all contracts. He coordinated MPT with all Thruway units and the Toll Plaza Manager.
Reference: Tom McGuinness, (845) 918-2500

2004
D213289 - Resident Engineer – New York State Thruway Authority - Responsibility includes – the construction of noise wall barrier for the New York State Thruway in West Nyack, NY, Rockland County. Work included construction of new noise barrier, utilities relocation, pile driving, rock blasting and maintenance and protection of traffic.
Reference: Jack Holman, (845) 918-2500

2002-2003
D213005 - Resident Engineer – New York State Thruway Authority on the Rock Remediation and Noise Barrier Construction New York State Thruway, South Nyack, NY. Responsibilities include complete construction management of 1.2 miles of precast concrete noise barrier along thruway. Work included drain cleaning, clearing and grubbing, reinforced concrete footings, precast posts and wall segments as well as miscellaneous shoulder repair.
Reference: Stephen Grabowski, (845) 918-2500

2001-2002
D212995 - Resident Engineer – New York State Thruway Authority – Noise Barrier Installation in Rockland County - Performing office engineer duties including: processing estimates, reviewing daily IR's, produce meeting minutes, track contractors progress with EEO requirements and payroll, provide correspondence for Thruway Authority and Contractor.
Reference: Stephen Grabowski, (845) 918-2500

2000
D212995 - Resident Engineer – Mill & Fill – Provided inspection for milling, repaving and line stripping of nearly 10 miles of I-87. Installation of rumble strip and saw cutting joints. Also inspected daily lane closure patterns.
Reference: Stephen Grabowski, (845) 918-2500

2000-2001
D212799 - Resident Engineer - Noise Barrier Installation – Construction inspection of noise barrier along north bound I-87. Work included drilling footings, placement of reinforcement steel and concrete, erection of prefab. Posts and panels, joint caulking, installation of R.O.W. fence and paintings.
Reference: Stephen Grabowski, (845) 918-2500

1998 - 2000
Resident Engineer on the construction of noise wall barrier for the New York State Thruway in West Nyack, NY. Work included construction of new noise barrier, utilities relocation, pile driving, rock blasting and maintenance and protection of traffic.
Reference: Stephen Grabowski, (845) 918-2500

1990 - 1998
Civil Engineer I/Assistant Materials Engineer – Assisted Department in establishing procedures and specifications for the Quality Control Quality Assurance program being implemented in New York State. Reviewed and made recommendations on Quality Control Plans submitted for annual asphalt plant approvals. Advise project personnel as to the equipment and procedures necessary to achieve density as required by New York State Asphalt Concrete density monitoring specifications. Instruct field inspectors on field-testing of Portland Concrete, in accordance with the American Concrete Institute. Provided assistance to construction personnel on interpretation of specifications and standards. Assisted in administering and supervising a consultant testing contract, employing up to twenty (20) contract engineers, performing Quality Control and Quality Assurance of Asphalt and Concrete plant production. Supervise Regional Materials Group in the absence of Regional Materials Engineer.

Frank Montefusco

Senior Construction Manager

EDUCATION

BA Architecture – New York Institute of Technology

CERTIFICATIONS/TRAINING

OSHA 10 hour Construction Safety- 2008
Historical Preservation Local Level -2000
Clean design Pharma 1999
Historical Preservation National level 1999

RELEVANT EXPERIENCE

Mr. Montefusco has over thirty years of experience encompassing Architectural design, construction and program management, estimating, and scheduling of new and retrofit work. Experienced Project Managing in all aspects of site and facility design, from programming through construction of manufacturing, research, and administration buildings for the pharmaceutical, biotechnology industry and Commercial and Residential design. His areas of expertise include building code compliance, coordination of design disciplines, construction scheduling, field supervision, project close out, developing and upgrading project plans, including schedules and budgets; monitoring and reporting project progress; implementing appropriate recovery actions when project deviates and construction management.

2008 - Present
PATH – Journal Square, Port Authority of New York and New Jersey – Responsibilities include:

- Supervise, direct and provide technical support for Contractors on Homeland Security construction projects located throughout the entire PATH train station and tunnel system.
- Provided coordination between related PATH construction projects.
- Supervise work train movements and placement by coordinating with the contractor and providing direction to the assigned train crew.
- Coordinate tunnel and train station construction work with various PATH personnel (Train Masters, Power Rail Men, Communications Department, Signal Department, Yard Masters, Dispatchers, Surveyors, other EIC's etc.)
- Provide Assistant Resident Engineer with written reports (Spreadsheet format) and mark-up pictorial reports of project progress and deficiencies.
- Evaluate and mark-up monthly Payment Requisitions.
- Evaluate submittal logs.
- Post Sandy Emergency Construction; 14 hour shifts, 7 days a week

2007-2008
Senior Construction Manager - for the PANYNJ New York Airports he manages project teams of professional staff composed of Port Authority engineers, architects, project control engineers and outside consultants. Major areas of responsibility include; managing all engineering efforts from conceptual design through construction completion; developing and upgrading project plans, including schedules and budgets; monitoring and reporting project progress; implementing appropriate recovery actions when project deviates; serve as the Engineering Department representative with the Line Department of JFK Airport.

2006-2007
Project Manager – New York City School Construction (SCA)

Representative Projects
Restructuring Bronx HS (12)
Reso A Cafeteria's (6) and Auditoriums (4)
Bathroom renovations ADA
HVAC upgrades

2006-2006
Project Manager (University of Medicine & Dentistry of NJ) - Responsible for managing project at UMDNJ from inception through construction completion. Responsibility for RFP, Architect coordination, contract drawings, developing schedules and budgets.

Representative Projects
U Hospital Lobby (5 mil)
Pediatric Private Practice @DOC. (2.5 mil)
Ambulatory Care Center (200mil)
MCC @ SSB (1.5 mil)

2001-2005
Project Manager (Port Authority of NY & NJ) - Responsible for managing project at JFK Airport from project inception through construction completion. Responsibility for contract drawings, developing and project plans, including; schedules and budgets as well as serving as the Engineering Departments the Line Department owners representative.

Representative projects
JFK Roadway Recirculation Refinement Outbound ($9mil)
Demolition cost Estimates for Buildings and Hangers ($25mil)
Rental Car Site & Road Modification with New Air Train Station ($30mil)
Rehabilitation of Cargo Service Road to Federal Circle ($5.5mil)
Additional projects from $250k to $5mil

1996-2001
Principal Project Architect, Project Manager - (Foster Wheeler USA Corporation) - Owner's representative for programming, design development, through design process for duration of project and construction management support. Managed design team and construction personal. ISO 9001 compliance.

1994-1996
Construction Manager and Project Architect (PANYNJ) - Management of Capitol Improvement Projects and tenant fit-up owner requirements. Established long range forecast for owner and tenant occupied space.

Joe Tola

Associate/Construction Manager

EDUCATION

NY Institute of Technology Old Westbury, New York- Bachelor of Science, May 1996

CERTIFICATION

Code Enforcement Official, New York State
OSHA Outreach 10 Hour

COMPUTER LITERACY

Proficient in Windows, Microsoft Project, Primavera Expedition, and Facility Planning tools

RELEVANT EXPERIENCE

Mr. Tola is an Associate at Savin, and has over 19 years experience in the construction industry of which 13 years experience are at Savin, which includes the following projects:

- World Trade Center – Performing commissioning services related to the following building systems listed below: This includes development of Pre-functional checklists (PFCs) and Functional Performance Test (FPT) scripts and participation in the review of field installation and in the field system and integrated system testing. Sewer ejectors, duplex sump pumps, elevator sump pumps, fire suppression- including sprinklers and water mist system, storm water system – including gray water treatment plant, tunnel exhaust system, and emergency generators and paralleling switchgear
- Westchester Medical Center – Evaluating site assets, existing construction, interior and exterior components and building systems based on overall integrity, probable useful life, and the need for replacement; and provided an analysis of potential problems that may require short or long-term attention, detailed information was provided for the maintenance of the HVAC equipment including CAD drawings of the mechanical rooms.
- Sound Shore & Mt Vernon Hospital – A $47 million facility planning and evaluation of site assets, existing construction, interior and exterior components and building systems based on overall integrity, probable useful life, and the need for replacement.
- Eldred Central School District -$17 Million additions and renovations.
- Port Jervis City School District - $25 million district wide renovations.
- Syracuse City School District – Provided Facility Planning for Five Year Plan and Capital Projects Plan
- Pocantico Hills C.S.D. - $18 million capital project.
- Greenburgh 7 UFSD– Infrastructure projects through multiple years including roofing and mechanical work
- Westchester County Department of Public Works - Set up Facility Center, created a five year plan, and building condition survey of all County owned property. Used basic AutoCAD functions to polyline areas and add asset blocks and AutoCAD with links to Facility Center.
- Westchester County Penitentiary - $60 million project which included demolition of existing jail and the construction of a general population mid-rise housing 264 inmates in single cell and dormitory pods, and a separate single-story special housing unit for 16 inmates in single cells.

Nick Furtado

Construction Manager

CERTIFICATIONS

ACI (American Concrete Institute) Certification
OSHA Outreach – 10 Hours

LICENSES

Nuclear Moisture Density Gauge

COMPUTER LITERACY

Microsoft Word, Microsoft Excel, Primavera Expedition

RELEVANT EXPERIENCE

Mr. Furtado has 30 years of experience in the construction industry. He has been an employee of Savin Engineers for the last 11 years. He has acted as the Resident Project Representative on numerous multi-million dollar building projects. In his capacity as the Owner's representative, Mr. Furtado has coordinated construction issues between the Owner, the Architect, the Contractor and the home office; has managed the construction related correspondence RFIs, shop drawings, change orders, etc; chaired progress and negotiation meetings; and overseen the work and reporting of construction inspectors and administration personnel assigned to his projects. Mr. Furtado is an expert in the utilization of Primavera Expedition.

Mr. Furtado's relevant experience is as on office engineer on the $120M New Rochelle WWTP Upgrade project. Specific responsibilities included the following:

- Attends Owner's meetings.
- Supervises CM staff
- Sets-up initial Expedition reports
- Performs specification review
- Prepares Executive Summary Reports
- Reviews/approves monthly payment requisitions
- Secures closeout documents and submittals
- Reviews inspection and testing reports
- Monitors project schedules
- Analyzes bids and qualifies low bidders
- Prepares milestone schedule per Owner's needs
- Assists with the development of construction schedule and establish a project coordination plan
- Identify long lead material/equipment procurement needs
- Conducts pre-bid walk-through/tours of facilities for prospective bidders
- Assists in analyzing bid results and evaluating Contractor qualifications and in recommending bid awards
- Advises the Owner on the acceptability of Subcontractors and material suppliers proposed by Contractors.
- Advises Owner of conditions which may cause delay of completion
- Assists the Owner in selecting and retaining the professional services of surveyors, special consultants and testing laboratories and coordinates such services

- Reviews requests for changes and recommends necessary or desirable changes to the Owner
- Assists in negotiating Contractors change order proposals and submits recommendations to the Architect and Owner
- Conducts Construction Meetings
- Coordinates all project information with Owner
- Assists with final inspection of work and establishes punch list for substantial completion and recommendation for final completion
- Expedites project closeout
- Performs day to day detailed monitoring of construction
- Monitors Contractors hired to perform work to determine:
    - Adequacy of work force and equipment
    - Conditions, which may cause delay in the completion of the work
    - Availability of necessary materials and supplies
- Maintains a full set of drawings, specifications, submittals, shop drawings and correspondence at the site.
- Reviews Contractors applications for payments on a monthly basis.
    - Recommends approval or rejection of payment
    - Verifies that required back up is included. Back up includes certified payroll, updated schedule, waiver of liens, updated as-builts and other documents as required in Contract Documents.
- Secures and transmits to the Owner all closeout documents. Tracks progress of document submission.
- Tracks all issues by having the potential of becoming a Change Order and any other issues required by Resident Engineer.
- Processes Requisitions for Payment and forwards to Owner for approval.
- Generates Expedition Reports.
- Ensures that all general requirement items are submitted prior to project startup.

Ossining Public Library - $15.8 million new library
Coordinated, scheduled, monitored, and inspected the remedial work for the fuel oil tank and underground gas tanks at the Ossining Public Library Project, which included thorough preconstruction inspection of the site and review of documents related to the site. Coordinated, scheduled and inspected gravity sanitary sewer. This project also included the removal of contaminated soil.

Tarrytown Public Schools - $72 million additions and renovations
Coordinated, scheduled, monitored, and inspected the remedial work for the fuel oil tank removal at Sleepy Hollow HS/MS project. Coordinated, scheduled and inspected 1200lf of gravity sewer lines and a new pump station at the Sleepy Hollow HS/MS

Reconstruction of Water Street in Bridgeport, CT included installation of a new 60" water outfall into the sound. During excavation noted discoloration of the existing soil, odors and differences in soil properties. Brought this to the attention of the DOT resident engineer on site. The soil was determined to be contaminated with hydrocarbons coming from an adjacent public works garage. Received contract to excavate and stock pile material onsite until a determination could be made on the proper disposal, work include. Soil was tested to confirm contamination, covered material and created a berm around the stock pile away from the waterway and drainage structures.

Nancy Barbera

Project Executive

EDUCATION

Vermont Technical College – Associates Degree in Applied Science: Architectural and Building Engineering Technology

CERTIFICATION

OSHA Outreach 10 Hour

COMPUTER LITERACY

Microsoft Word and Excel, Word Perfect, Expedition, Timberline Estimating

RELEVANT EXPERIENCE

Ms. Barbera is a Senior Project Executive at Savin and has over 18 years of experience in construction management with a focus on active sites. An employee of Savin for 15 years, Ms. Barbera has been responsible for the on site, field supervision of both renovation and new construction projects where she was responsible for coordinating and overseeing the project specific work and the work to be accomplished by the contractors. Specific responsibilities include managing and monitoring the work progress, making sure materials and equipment are delivered to the site on time and that the work progresses on schedule, tracking and communicating progress to the Owner; identifying potential problems or delays, communicating design questions to appropriate personnel, working to minimize disruptions in the building during the construction, maintaining all documentation associated with the project; and supervising the closeout process regarding the archival of documents and transfer of project information to the client. Ms. Barbera's recent experience includes:

- Long Beach Public Schools - $98 million district wide renovations and additions, including two new artificial turf fields, track, lighting, bleachers, and boards
- Village of Tarrytown – Riverwalk Park
- Village of Tarrytown – New $8.5 million 22,000 s.f. village hall.
- Pelham UFSD - $27.6 million addition and renovations to middle school, renovations to High School, exterior restoration at elementary schools and high school.
- Tarrytown UFSD – District-wide roof replacements, window replacements and fire alarm upgrades.
- Scarsdale UFSD – $19 million district- wide renovations and additions.
- Mt. Pleasant Central School District – $ 25.4 million district expansion and renovations.
- Stamford City Public Schools – Hart School, $9 million renovation and expansion to existing elementary school.
- Stamford City Public Schools – Westover School, $17 million construction at new elementary school.

Prior to joining Savin, Ms. Barbera's experience included administrative and technical support at the New Westover Elementary School Project and the engineering bureau, Stamford Government Center. As an Administrative Coordinator, Ms. Barbera's duties consisted of scheduling of various phases of each project, processing of field reports, requisitions, meeting minutes and shop drawings. She coordinated field quality control, monitored steel reinforcement and placement of concrete in accordance with daily log of field operations and manpower.

Michael Melocoton

Project Executive

EDUCATION

New York Institute of Technology – Electrical Engineering

COMPUTER LITERACY

Primavera Expedition, Microsoft Word, PowerPoint, Excel, Outlook, Word Perfect, Lotus 1,2,3, LAN & Network Environments

CERTIFICATION

OSHA Outreach 10 Hour

RELEVANT EXPERIENCE

Mr. Melocoton has extensive experience in Construction Management and project management. In his experience as a construction manager, he was responsible for maintaining a full set of drawings, specs & submittals on site, maintaining a list of required permits, inspections, surveys and utility notifications, interfacing with campus administration, etc. to apprise them of work that may impact their operation, and photographing work in place as a record for the Owner.

Mr. Melocoton's responsibilities include management and coordination of the various trades, insuring that all work is performed as specified by the Architect/Engineer/Owner. He attends all project meetings, conducts daily site inspections, prepares detailed field reports and monitors the progress of work in the field, including monthly payment requests, change in work directives, quality control and compliance with the construction schedule and site safety issues.

His experience as a construction manager also involved budget performance and scheduling criteria. As such, Mr. Melocoton became proficient in the use of Primavera scheduling software, Excel spreadsheets and database software.

His experience at Savin includes Construction Management in the following districts:

- Nassau Community College - $6 million parking lot reconstruction
- Hempstead UFSD - $33 million District-Wide Renovations including pedestrian access, lot repair and athletic fields.
- Comsewogue UFSD - $14 million District-Wide Renovations including athletic fields, new parking lots, roads, and security.
- Rocky Point UFSD – $28.5 million District-Wide Additions and Renovations including parking lot rehabilitation.

Tony Darien

Civil/Structural Construction Inspector

EDUCATION

High School G.E.D.
Tech Drafting Course – Lehigh Technical Institute
MPT Training/New York State Thruway Authority

CERTIFICATION

NICET Level III

RELEVANT EXPERIENCE

2008-Present
Inspector - Tappan Zee Bridge Redecking, Phase II, NYS Thruway Authority project. Work includes removal of the existing bridge deck from the right and center lanes northbound and southbound from the eastern point of the superstructure to the Nyack shoreline.

Along with oversight of the necessary demolition (saw-cut & removal of existing road deck) and the joint work between the new deck panels (grout & sealant applications); Mr. Darien also performed structural oversight of the installation of the panels. This included: monitoring the installation of new diaphragms, plates / brackets and bearing stools at floor beams; Inspection and monitoring of '2-cell, 4-cell, and 5-cell modular joints' between bridge spans; monitored re-bar and concrete placements at headers between bridge spans; and monitored daily maintenance of the ramped steel road-plate system (for MPT) during the process of new joint installations.

2004-2008
Sr. Construction Inspector – Bowery Bay Water Pollution Control Plant upgrade project. Responsible for the inspection of the Primary and Final Tanks, including demolition and reconstruction. Inspected rebar installation, formwork and concrete pours.

Responsible for the oversight of the Froth Control Building including foundations (grade beams and pile caps), masonry walls and Architectural finishes. Site work oversight included roadway grading and paving, curbs and concrete sidewalks.

2002-2003
Sr. Construction Inspector – Paerdegat Basin – Construction of an in-ground CSO retention facility for NYCDEP. Monitored installation of slurry wall shoring, including calculation and recording of quantity installed. Calculation and recording of quantities of various soil types excavated, stockpiled and removed from site. Checking re-bar installation and concrete pours for structure walls and floors.

2001-2002
Construction Inspector – World Trade Center Emergency for the Port Authority of New York and New Jersey - Computations of steel and debris tonnages (removed from Ground Zero and trucked over to the Pier-6 location), were documented as per shift. Responsibilities included reporting the final quantities to my supervisor; which were determined by the water-displacement levels of the barges, as they arrived empty and shipped out fully loaded. Worked around the clock on numerous day and evening shifts.

2000-2001
Construction Inspector – World Trade Center for the Port Authority of New York and New Jersey - Demolition and removal of existing 6" conc. Floor-slab at the B-1 level, truck-dock area of the north tower. Steel corrugated decking and new 6" depth, reinforced conc. was than re-installed in manageable sections to accommodate truck traffic.

Removal of and upgrading of the existing H-Vac system in the north and south projection rooms of World Trade Center towers 1 and 2. The existing ventilating fans were directly above the path trains of tunnels E and F, which required supervising work along the tracks at off-peak hours. Obtained the necessary certification for this supervision (EIC/Employee in charge), on Sept. 6, 2001. Work had just begun.

1999-2000
Senior Inspector – Jamaica Avenue Reconstruction (127th Street to Sutphin Boulevard - This was a high profile project in an area that is both commercial and residential. Major utility facilities were relocated to accommodate water mains, sewers, and drainage. Close coordination with two community boards (Q-9 and Q-13), merchants, and property owners was necessary to minimize disruption due to construction and interruption of water service. Jamaica Hospital was constructing a new parking garage adjacent to this project and special coordination was required there as well.

Project specifics included:

- 10,000 l.f. of distribution water mains
- 1,500 l.f. of sanitary sewers
- 1,100 l.f. of storm sewers up to 24" diameter
- 1,400 l.f. of storm sewers 30" - 36" diameter
- 10,000 l.f. of curbing
- 130,000 s.f. of sidewalk
- 15 reinforced concrete bus pads
- 3" asphalt on 9" concrete base
- urban park area
- drainage and ancillary structures
- extensive MPT including detours and the employment of traffic enforcement agents

1998-1999
Senior Inspector – Long Island Expressway (I-495) Reconstruction – Suffolk County, NY - This project included the construction of new High Occupancy Vehicle (HOV) lanes on the Long Island Expressway and the reconstruction of the LIE mainline pavement from Exits 57-61. A total of eight bridges were reconstructed and/or replaced. Construction encompassed three phases to allow for an unimpeded traffic flow.

Project specifics included:

- Drainage: Over 28,000 lf of RCP and PE pipe in sizes ranging from 15 in. to 42 in. diameter.
- Asphalt: Over 240,000 tons. All asphalt is placed in accordance with Superpave specifications.
- Sound Barrier: Precast concrete panels and posts are mounted on cast-in-place piers. 640,000 sf total
- Concrete Curb: 12,000 lf.
- Concrete Median Barrier: 30,000 lf, all precast.

Magdi F. Iskander

Construction Inspector

EDUCATION

Bachelor of Science in Mechanical Engineering

CERTIFICATIONS/TRAINING,

Asphalt Institute - Hot Mix Asphalt Training - 2009
Structural Steel and Bolting Inspection - 2009
Masonry Society - Special Inspection of Structural Masonry - 2009
ACI 1 - Concrete Field Testing
OSHA 10 hour Construction Safety- 2008
Environmenal Issues Associated with Construction projects – 2008

RELEVANT EXPERIENCE

As a Senior Construction Inspector, Mr. Iskander's responsibilities include management and coordination of the building trades, ensuring that all work is performed as specified by the Owner. He attends all project meetings, conducts daily site inspections, prepares detailed field reports and monitors the progress of field work, including monthly payment applications, change in work directives, quality control and compliance with the construction schedules & site safety issues.

2004-Present
Construction Inspector at Teterboro Airport for the Port Authority of New York & New Jersey.
Work includes: taxiway renovations, drainage systems, drainage pipes, new hangar, terminal building, sound proofing, mechanical, sprinkler systems, fire alarms, emergency light and generators. Mr. Iskander's responsibilities include:

- Construction of new passenger terminal buildings, new taxiways and runways
- Entire Airport drainage system to be connected wit the main station (78"pipes, manholes, runway, taxiway side drainage perforated pipes and complete box culvert.)
- Construction of new underground fire hydrant system including 2500 feet DIP 8" steel pipe and six hydrants
- Manage New Hangar (4,250 SF).
- Provided sound proofing to local schools

2003-2004
New Rochelle City Schools, New Rochelle, N.Y.
$38.6 million for additions and renovations to several elementary schools. Completed new addition and renovation work on: Trinity Elementary School, (three story building; 64,000 square feet), three sports fields and replacement of New Rochelle fire alarm system to control underground water.

2000-2003
Scarsdale Union Free School District, Scarsdale, NY
$15 million addition to the Middle School. Completed new addition and renovation work on Scarsdale Middle School, 75,000 square feet, including large detention facilities and drainage systems to control all the underground water.

He utilized his industrial, mechanical engineering and electromechanical engineering experience here. His accomplishments are as follows:

- Developed new methods of production to improve cost efficiency and product quality.
- Designed the layouts for equipment for efficient and production in factories.
- Founded Al Doofa Establishment, an Engineering and Manufacturing Contracting firm.
- Organized deliveries of material to ensure timely completion of projects
- Planned the design and production of special tools as per specification.
- Evaluated contract costs for specific projects, including warranties.
- Handled all relations and contracts with manufacturing companies.
- Prepared tender bidding strategies and pricing policies.
- Prepared both shop drawings and as-built drawings.

Roshan Sidhar

Senior Construction Inspector

EDUCATION

B.C.E., Civil Engineering, Bhopal University, India, 1972

CERTIFICATIONS & TRAINING

NICET - IV
American Concrete Institute (ACI)
Hot Work Permits
Hazardous Communications
Lead & PCBs Hazards & Safety
Confined Space
Scaffolding – User Safety – NYC Dept. of Buildings
Welding (AWS)
OSHA Construction Safety & Health

RELEVANT EXPERIENCE

Mr. Sidhar has over 35 years experience as an inspector on large wastewater plant improvement projects, buildings and transportation (roads and bridges) projects in Westchester, New York City and Connecticut. Degreed engineer with specific expertise in mechanical, structural and civil disciplines.

2012-Present
Senior Process Mechanical Inspector, New Rochelle Wastewater Treatment Plant. The project is a $235 million plant upgrade and BNR upgrade at the New Rochelle Wastewater Treatment Plant.

2006 – 2012
NYCDEP – Wards Island Water Pollution Control Plant. Plant stabilization upgrade and improvements of structures and equipment. Mr. Sidhar provided mechanical, structural and civil inspection. The following were some of his areas of responsibility.

- **Aeration Tanks Upgrade, Modifications, Improvements and Repairs.** Mr. Sidhar's work included repairing damaged y-walls, tank floors, installed new expansion joints, baffle walls, ceramic & EPDM diffusers, process air piping system, froth hoods, surface wasting lines, purge system, sluice gates, mixers, sensors, concreting, handrails, and structural support towers for process air piping and headers.

- **Final Settling Tanks** – Responsible for the installation of new bearings at flights, new electric motors and control system, cross collector drives, maintenance of collector shafts, & cleaning & dewatering.

- **Pump and Blower Building** – Work included demolition of existing process air blowers, motors, oil lines, blow off lines, and installation of new blowers, motors, silencers, heat exchangers, valves, oil pumps & cooling lines.

- **Return Sludge Pump Stations** – Demolition of old system structures and equipments, and replacement with new return activated sludge pumps & sensors, waste activated sludge pumps and sensors, equalizing lines, valves, gauges, and new seal water system.

- **Sludge Storage Tanks** – Work included demolition of existing centrifugal pumps and installation of new centrifugal pumps to transfer sludge to the dewatering building. Installed new sensors, switches, pads, and seal water system and controls.

- **Hypochlorination Facility** – Installed new 6000 gals storage tanks for sodium hypochlorite pumps, fill ports, piping, valves, gauges, and control system. Also installed hypochlorite piping system, instrumentation, and truck unloading containment areas/pads.

- **New Electrical Substations** – Installed piles, foundations, grade beams, steel structural-framing, curtain & masonry walls, roofing, equipment, switchgears and transformers.

- **Yard Piping and Utilities** – Installed air headers with fixed and sliding supports and new city water and fire lines and hydrants.

- **Pipe Galleries** - Installed new centrate lines, surface wasting lines, process air piping system, sodium hypochlorite lines, supports and hanger system, concrete pads for panels and equipments, controls for heat tracing system, process air lines in the effluent and influent channels.

- **Instrumentations/Control and Mounting** - Installation of level sensors, venturis, suspended solids/ph sensors, transducers, fill tank control panels, grounding, overflow relay, flow meters, magmeters.

Chief Inspector for the New York City DEP, Bowery Bay Water Treatment Plant Upgrade. Construction work included all civil and structural work including masonry, steel and installation of roofing as well as excavation for electrical work. Responsible for change orders and estimates.

Senior Inspector for the New York State Hudson Valley Transportation Management Center. Mr. Sidhar's work included inspections of site work, upgrade of drainage system, installations of underground utilities, grading, retaining wall, curbs, paving, concrete, steel reinforcement, metal fabrications, steel structure, masonry, roofing, all steel, architectural and civil construction activities, review of shop drawings and of all reports. Construction inspection services for this important facility included: excavation, utility relocation, concrete foundation, steel superstructure, architectural finishes and landscaping.

Senior inspector for construction of Lincoln Hospital, Bronx and Harlem Hospital, Manhattan. Responsibilities included overseeing all renovation and new construction work at emergency ward, pediatric ward and the pre-natal ward. Duties also included supervision of all construction activities, like flooring, walls, roofing, HVAC, elevators, medical gases, fire stopping and protection, hatchways, steel beams (structural steel work), masonry, metal and wood work and other related site work.

Administrative duties on these projects included evaluation of bids, selection of subcontractors, submittal of work material to architect and the hospital corporation for approval, updating drawings, estimating, preparing work schedules, progress meetings and overseeing QA program.

Senior Inspector – Yonkers Joint Wastewater Treatment Plant – Inspected the series of work activities for engine modifications, blower reconditioning and other related improvement work. Work included ongoing work for proper materials, methods and workmanship, protection of utilities and structures, reviewed plans, specs and shopdrawings to check contractor's work. Also inspected architectural work, concrete work, earthwork, non-shrink grouts, painting, repairs, tests, restoration work, maintained all document work, reports, and project-progress photos.

Construction Inspector on the construction of the Bronx-Whitestone Bridge Service Building. Responsibilities included on-site inspection for nearly all project phases including structural steel erection, steel deck, masonry work, electrical, architectural and landscaping work.

Senior Inspector for Taconic State Parkway and Bridge projects, NYSDOT including Bryant Pond Road Bridge over Taconic. Responsible for inspection of all field construction activities for conformance to NYSDOT specifications. Estimate quantities, field testings, environmental and wetland protection, drainage, inspection reports, maintenance and protection of traffic. The Bryant Pond Road bridge project included installation of significant earthwork, rock backfilling and compaction associated with bridge approaches.

Construction Inspector for the Triborough Bridge and Tunnel Authority on the construction of an Automotive Shop Building and a garage on Randall's Island. The automotive shop and north hub garage were constructed for the purpose of fleet maintenance for many of the TBTA's vehicles. Work on this 45,000 square foot facility included demolition, excavation, structural steel, concrete, masonry, drywall, acoustical ceilings, roofing sheet metal, exterior wall panels, plumbing, electrical, HVAC, public address, fire alarm and security systems. Mr. Sidhar was responsible for inspection of various aspects of the construction as well as the inspection of electrical and HVAC improvements to the Robert Moses Building; and on electrical and lighting improvements to the Triborough Bridge.

Field Inspections of contractors' work on Derby Bridge at Route 8 over Route 34. CT DOT to check conformance to CT DOT specifications. Quantities, reports, tests, and related engineering work for highway and bridge repairs.

Resident Engineer for CT DOT. General inspection of federally funded State DOT and City/Municipal projects. Fully responsible for management of the Construction Contract. Monitoring of all facets of construction activities involving civil, structural, mechanical, electrical architectural work, for overall, compliance to proper specifications and requirements, contract schedule, cost, safety program, quality assurance/quality control, MBE/WBE compliance, workforce, labor-wage checks, submittal requirements and insurance coverage.

Senior Inspector for Connecticut State Highway #8, resurfacing and safety improvements. Duties included inspections of construction operation of bridge demolition, concreting of bridge abatements, wing walls and decks. Partial and full depth patches, structural steel erection, remove and reconnect diaphragms, asphaltic plug expansion joints, pressure relief joints, approach slabs, bridge rail system, retrofit steel girders, and welding.

Thomas M. Tanner

Construction Manager

CERTIFICATIONS/TRAINING

Asphalt Institute - Hot Mix Asphalt Training - 2009
Masonry Society - Special Inspection of Structural Masonry - 2009
ACI Training, Repair of Concrete Bridges, Parking Decks, and Other Transportation Structures - 2008
SSPC, C-1, Protective Coatings for Industrial Structures Training - 2007
ACI, Concrete Reinforcement and Concrete Repair Inspection for Transportation Structures - 2006
Construction Estimating
Construction Blue Print Reading
Advanced Water/Wastewater Operations 1 & 2
OSHA 10 hour Construction Safety- 2014

RELEVANT EXPERIENCE

Mr. Tanner has over 18 years of diverse construction inspection experience ensuring compliance with plans and specifications of projects involving civil, structural, mechanical, architectural, and environmental engineering. Experience includes:

- Field assessment of concrete and structural steel
- High rise building construction: foundation, superstructure, electrical, plumbing, mechanical & office fit-out
- Sewer and water line installation/rehabilitation
- Assistance in project start-up and all phases of project construction. Also responsible for quality control, daily reporting, and quantity measurements.

2013-Present
Port Jersey, Port Authority of New York and New Jersey
Construction Inspector for Building 108 roof rehabilitation at Port Jersey. Priority protective measures for flood protection. TAA-PJ-002, RCCL Berth N-1, cut off wall repair.

2011-2013
Harrison Station Intermodal Improvements, Port Authority of New York and New Jersey
Construction Inspector for improvements and enhancements to the Harrison Station. Project included demolition to existing staircase and rebuilding new staircase and platform, including handrails and lighting.

2011-2013
PATH – Journal Square, Port Authority of New York and New Jersey
Construction Inspector for security work at the PATH station. Night work included mitigation, flood gates and electrical improvements.

2009-2011
Port Newark Capital Projects, Port Authority of New York and New Jersey
Construction Inspector, Port Newark Wharf Reconstruction of Berth 8 & 10

- Pile Driving – Total of 430 18" steel pipe piles filled with reinforced concrete – 207 Closed end plumb pipe piles with rock crusher tip, 98 Closed end battered pipe piles with rock crusher tip, 99 Open end pipe piles with 20' deep rock socket
- Rotex Pile Driving – 26 18" open end pipe piles with 10' deep rock socket filled with reinforced concrete

- Cast-In-Place reinforced concrete pile caps, cross beams, steel sheet piling cap, face of wharf sea wall & 80' x 652' reinforced concrete deck
- Setting 35 ton reinforced precast concrete pile caps & 8" thick precast panels on top of the precast pile caps for a 70' X 652' 8" Thick Cast-In-Place reinforced concrete deck with a 10" x 652" 8" thick C.I.P reinforced concrete approach slab - Overall total rehabilitation limits of construction 120' X 752" with the upland infrastructure & tying into the east & west existing berths
- State of art Fender System, Ballard's, Timber Curb System
- Outfall System
- Upland Infrastructure
- Paving

Senior Construction Inspector – Demo of Building 291 and Upgrades to Railroad Crossings throughout Port Newark

2002-2009 PA Facilities Port Newark Tenant Alteration Applications (TAA'S) Hoboken, Legal Center, Jersey City/Bayonne Auto Marine Terminals, Elizabeth Industrial Park, Bathgate Industrial Park.
Also immediate repairs and work orders in all the above locations

Construction Inspector for a 140,000 sq. ft. two-story steel framed educational campus building in the Bronx, New York. The building consists of three distinct high schools of 500 students each. Mr. Tanner on behalf of the Port Authority of NY & NJ performed the following:

- Above Ceiling and Elevator Inspections
- Sprinkler System testing on all tamper and flow switches are performed to ensure their proper function during an emergency
- Emergency Generator load tests were conducted to ensure its proper functioning in the case of an emergency
- Emergency lighting testing, powered by the emergency generator, conducted throughout the building; illumination levels range from 1 to 5 foot candles
- Fire Alarm System Testing: included over 200 devices such as manual pull stations, area smoke detectors, heat detectors, duct detectors, Kitchen Ansul Systems, roof hatches, etc.; the Building's Central Command Station on the ground floor receives all the signals and relays them to their remote fire alarm Central Monitoring Station.
- Fire Damper Testing: 206 dampers were physically testicluding smoke purge dampers, fire smoke dampers, transfer dampers, and exhaust fan dampers.
- All strobes and audible alarm devices were tested to ensure proper operation during an emergency.
- Facility Occupational Health Inspections for Kitchen/Dining Areas
- Other life safety equipment was inspected and approved

Construction Inspector – Waterfront Corporate Center, Hoboken, N.J. Port Authority of New York and New Jersey, Construction Inspector on all phases of construction including:

- Electrical Inspection for construction use and permanent power
- Ceiling Inspection, spray on fireproofing, sprinkler piping hangers including seismic bracing, ceiling grid, hangers for ceiling grid, including seismic bracing for ceiling grid and electrical inspections.
- Sprinkler system installation and testing, Spray on fireproofing inspection for columns and beams
- Fire Pump Testing
- Fire Alarm System Testing
- Smoke Exhaust System Testing
- Stair pressurization inspection
- Emergency lighting testing
- Emergency generator testing

- Occupational health dinning facility inspection including kitchen exhaust and ansul system.

Construction Inspector – Port Authority of New York & New Jersey/Port Redevelopment at Maersk and Hoboken Ferry Terminal.

Construction Inspector involved in all phases of construction on various Tenant Alteration Application (TAA's) as follows:

- Wharf Improvements – Phase 2 APM Terminals/Maesk Marine Terminal
- APM Terminals – Phase 2 Yard Improvements
- APM Terminals UST Removal/AST Replacement
- Toyota Logistic – Expansion of warehouse and construction of a new car wash.
- FAPS, Inc. (car & truck handlers). Demolition of buildings and site improvements including construction of a new car wash.

1999 – 2002 Port Authority Staten Island Bridges
Construction Inspector
Construction Inspector on the **Port Authority of New York & New Jersey/Outerbridge Crossing** – Construction Inspector of all phases of construction including concrete deck rehab, all structural steel work and new sidewalks on truss span.

1999-2000
Chief Construction Inspector
Chief Construction Inspector for the New Emergency Disinfection System, for Yonkers Wastewater Treatment Plant. Responsible for coordinating all construction activities with plant personnel, also for quality control on all phases of construction including training and start up.

Equipment Installed:
- Metering pumps
- PVC Hanger System
- Valves
- Electrical
- Sump Pump
- Double Wall PVC Pipe
- Heavy Duty Concrete Containment Pit, for Chlorine Fill Station.

Construction Inspector for rehabilitation work for the Queens Mid Town Tunnel. Responsible for all concrete repair work, also assisted in inspection of all other ongoing rehabilitation including, tile, ceiling panels, railings, elevation and appurtenances.

George G. Van Sant
Senior Construction Inspector

RELEVANT EXPERIENCE

Mr. Van Sant has over 35 years of construction experience.

2009-2010
Resident Engineer, New Rochelle WWTP - Resident Engineer for the demolition of obsolete equipment project at the New Rochelle WWTP. Mr. Van Sant provided inspection and construction administration services for project which involved the removal of outdated equipment and piping, including two former sludge incinerators and their associated pollution control equipment. Project also involved the relocation of a natural gas pipeline and replacement of the existing meter and regulator assemblies. Project also included the cleanout, dewatering and disposal of residuals from two enclosed pure-oxygen aeration tanks. Access to these tanks was provided by temporarily removing the existing surface mixers. Mr. Van Sant coordinated contractor's activities with ongoing plant operations including shutdowns and treatment systems isolation to facilitate demolition activities.

2006-2009
Senior Construction Inspector (Night shift) – World Trade Center PATH Transportation HUB, New York – Responsibilities included – opening and closing of general orders in coordination with MTA Transit on the #1 line and the R&W lines. This was track work which entailed complete power outages on either of those subway lines in order to complete the contract work or emergency track/tunnel sub-contractor monitoring work to detect any movement/settlement in subway station or in tunnels caused by nearby demolition at the WTC contract work. Work duration was usually between 11 pm and 7 am. Power had to be restored by 5 am in preparation for morning rush hours. During this time, Mr. Van Sant would be in continuous contact with an MTA Track Engineer, Track Supervisor for that sector and MTA Flag Persons, who would monitor and protect the outage areas for the safety of all personnel involved. Responsibilities include:

- Oversee any work connected with underpinning of the 1-Line contract, including minipile driving, track removal and replacement; preparation for temporary structural steel placement; constructing and monitoring protective barriers and any other track related underpinning work.
- Oversee and record any and all work activity related to site demolition, including safety, in coordination with contractor supervisor, work location(s), work crew manpower, machines, equipment and materials used.
- Oversee any nearby related street/roadway activities.
- Responsible for safety of PATH customers passing beneath, through or near contract work areas, usually involving water penetration and cleanliness of temporary PATH underpass stairways, escalators and walkways.
- Oversee and record all General Conditions work, paid on a T&M basis. This work involved all East Sector site maintenance, safety, clean up, delivery and removal of machines and equipment from site and other on-going shift personnel and activities (i.e. lighting, repair and maintenance equipment, machines and personnel).

1999-2006
Mortgage Plus Financial Group, Newark, NJ - Duties include:

- Provided inspection reports on various properties
- Supervised construction – reconstruction – repairs for clients
- Received and reviewed architectural prints, constructions permits, etc.

1994-1999
Port Authority of NY&NJ, New York, NY - Duties include:

- Reconstruction of various sections of the Vista Hotel post '93 bombing including:
  - Installation of new commercial kitchen, dining hall and related facilities.
  - Inspection of utility testing including pipe pressure and leakage testing & disinfection
  - Inspection of plumbing, HVAC, steam lines as well as waste facilities, grit trap, automatic fire suppression systems
  - Manage field changes and change orders
  - Commissioned all equipment including startup testing & training
  - Coordinate with PA Code Compliance Division.

Morgan H. Scott

Senior Construction Inspector

EDUCATION

SUNY College at Brockport

CERTIFICATIONS/TRAINING

NICET Level III
ACI 1 - Concrete Field Testing
Structural Steel and Bolting Inspection - 2009
OSHA 10 hour Construction Safety- 2008

RELEVANT EXPERIENCE

As a Senior Construction Inspector Mr. Scott's responsibilities include insuring that all work is performed as specified by the Owner. He attends all project meetings, conducts daily site inspections, prepares detailed field reports and monitors the progress of work in the field, including monthly payment requests, change in work directives, quality control and compliance with the construction schedule & site safety issues.

2008-Present

Lead /Senior Civil Inspector at Stewart International Airport for the Port Authority of New York and New Jersey. Mr. Scott is performing construction inspection services on several projects at the airport including:

- Long Term Parking Lot Expansion - Project includes cut/ fill, placement of subgrade material choker stone, #2 stone and then pave. Contractor will realign toll booths and supply power to the new parking lot lighting system and communications to the new toll booths. Contractor also installed steel faced curbing, ductbanks, drainage structures, manhole structures, new light poles, overhead signs and a traffic signal.

- Rehabilitation of the Weather Instrument Power Circuit
  Installed the Infrastructure for the New WIP Circuit. (Included installation of Manholes/Handholes Electrical and Communication Ductbank) Excavation / Rough Grading /High Early Concrete.

2006- 2008

Project Superintendent – Rockland Children's Psychiatric Center. Performed on site construction management for this important DASNY project. This new 56-bed facility included site preparation, excavation, utilities, reinforced concrete foundation, steel superstructure and building enclosure. It will provide an environment that supports a multi-faceted effort to improve clinical research and training in the field of children's mental health.

2002-2006

Senior Inspector – Teterboro Airport reconstruction for the Port Authority of NY&NJ. Duties include on site inspection of security fencing upgrades, soil erosion and sedimentation protection measures, taxiway extensions and coordination with airport operations.

2002-2004
Senior Civil Inspector – Teterboro Airport – New Taxiways and Taxiway Improvements/Tenant Hangar & Administration Buildings – Responsibilities include:

- Civil Inspector for the new hangar and administration building erection. Involving structural steel erection, reinforced concrete floor slab installation & steel corrugated roof installation.
- Inspection of all utilities associated with these hangars and buildings, water main and sewer tie-ins.
- Inspection of installation and construction of several new high-speed taxiways, involving the excavating of unsuitable material, undercutting, backfilling and asphalt paving.
- Participation in the preparation of cost estimates
- Preparation of all required job related paperwork such as Daily Narratives, T&M records, etc.
- Reviewing of Plans & Specifications for completeness, accuracy and constructability.

2001 – 2002
Senior Inspector –TANY 00-47 Reconstruction of I-87/287 Interchange or Interchange 8.

- Involved in the inspection of the reconfiguration of Interchange 8.
- Involved in the Construction of Pre-cast Concrete Piers, Inverset Panels.
- Involved in the Realignment of ramps on the westbound side of I-287.
- Involved in the Construction of a New Bridge connecting the Saw Mill River parkway with I-287 west and Route 119.
- Installed steel bearing piles, and pre-cast concrete slabs at the Tappan Zee toll plaza.

2000-2001
Senior Inspector – Worked on multiple projects, including TANY 99-13B & 12B. Rehabilitation of Three Bridges Over I-87 & Rehabilitation of I-87 Over Sawmill River Parkway and Northbound Ramp.

- Involved in inspection of elastometric bearing installation, both fixed and expansion.
- Pedestal reconstruction, concrete deck repairs both partial and full depth.
- Responsible for installation of guide rail and protective fencing, structural lifting operations, concrete testing, in classified excavation (stone fill, trench excavation) and MP&T compliance.
- Handled steel spicing, joint removal and replacement, as well as bridge painting.

1997-2000
Senior Inspector – Construction Engineer - Worked on 5 projects: TANY 00-3A, 99-70 & 99-74, Construction of Maintenance and Garages.

- Erected 2 maintenance garages, on each at East Fishkill and Middletown section Maintenance areas, on I-84.
- Poured concrete footings, foundations and floors.
- Erected wood frame buildings using a truss system roof.
- Handled excavation and trenching for new water and sewer connections to existing utilities.
- Responsible for installation of electrical service panels, disconnects, interiors, exteriors wiring, and lights. Also responsible for installation of truck lifts, unit heaters, compressed air systems and exhaust fan systems.

Venard Johnson, Jr.

Senior Construction Inspector

EDUCATION

B.A. Oswego – State University of NY, 1998
Pace University – Construction Management
Forensics of Sustainable Architecture Certificate, Summer 2009
Mechanics Institute - Professional School for Tradesmen
Construction Project Management Certificate - April 2009

CERTIFICATIONS/LICENSES

OSHA-30
7hr. Site Safety Manager Certification
NYCDOB Registered Licensed Construction Superintendent
ACI - Pending

RELEVANT EXPERIENCE

Mr. Johnson is a NYCDOB Registered Licensed Construction Superintendent with over 10 years of industry experience. He has proven track record of success in achieving budget and quality goals on Multimillion-Dollar projects. He excels in Planning, Phasing, Coordinating, Blue Print reading, Contract Administration, Schedule Management and Cost Control. Dedicated to completing projects on time while following all OSHA, Facilities, and Company Safety Guidelines.

December 2007 - Present
Project Superintendent – Currently serving for Confidential and Secure Security Projects at JFK Airport. Managing and coordinating all multiple trade construction activities for various projects. Performing construction installations, phasing, scheduling, and quality assurance management.

Jan 2013 – Present
Checkpoint Digital CCTV Installation Project for Multiple Terminals JFK Airport - $16M Project. Manage electrical contractor conduit and camera installations. Supervise and plan installations for various Airline Terminal Checkpoint Areas. Coordinate with TSA and Facility Management. Supervise restoration of penetrations to structures containing asbestos. Managed manpower, material, equipment and access for secured area installations.

March 2012 – Dec 2012
Delta Barrier and Gate Arm Installation Project for Multiple Guard Post JFK Airport - $13M Project. Construction Manager for Electrical Contractor Gate Arm and Delta Barrier Installations of various JFK Guard Post. Supervised and Planned Installations for Electrical Wiring and Controls. Supervised restoration of Roadway and Curbs on Air Side and Land Side after underground conduit installation. Managed Manpower and Access for Secured Air Side Installations. Performed Construction Phase and Coordinated Scheduling Management.

Sept 2011 – March 2012
Police Radio Communication Expansion Project for Terminal 5 JFK Airport - $3M Project. Managed electrical contractor Fiber Optic cable and Antenna installations. Supervised and planned installations for Departure, Arrival, Public, and Secured Areas. Supervised restoration of penetrations to structures containing asbestos. Managed manpower, material, equipment and access for secured air side installations.

Nov 2010 – Sept 2011
NYU Langone Clinical Research Facility Renovation Fit-Out Project - $30M Project. Planned and supervised installation layouts for electrical, mechanical, carpentry, structural, and masonry contractors. Handled strategic demolition management for occupied building. Supervised multiple story facility build out.

June 2008 – Nov 2010
Two Way Radio Communication Expansion Project for Port Authority Tunnels - $17M Project. Managed and coordinated all electrical contractor construction activities including manpower, materials, and equipment. Monitored layout installation plans for fiber optic and radiating cable which included monitoring cable testing and inspection for installation specification. Implemented and enforced all Port Authority established construction policies and safety procedures.

Dec 2007 – June 2008
Perimeter Strengthening Project for Port Authority LaGuardia Airport - $9M Project. Installed reinforced concrete barriers and security fencing installation. Inspected concrete for all perimeter barriers, ballards and fencing to ensure they were completed and built as per contract drawings and specifications. Phased and scheduled all contactor airport installation.

Jan 2005 – Sept 2007
Construction Inspector - Manhattan Bridge Rehabilitation - In partnership with the New York City Department of Transportation (NYCDOT) - $160M project which included rehabilitation to the Lower Roadway, Brooklyn Plaza, Sands Street realignment, and Street lighting. Inspected welding and alignment of new grid deck, stringers, and floor beams of new steel installation. Inspected and coordinated excavation and compaction for concrete and asphalt. Inspected installation of piping for roadway drainage system. Safety inspector for burning operations for removal of old steel beams, stringers and grid deck. Electrical inspector for removal/installation of conduit and cable for lighting and traffic signals.

March 2004 – Dec 2007
Con Edison Construction Inspection Services Westchester County, New York - Coordinated and monitor MPT for various Con Edison operations in accordance with NYSDOT approved MPT plans. Performed construction inspection services on Con Edison contracts for gas main, conduit, and over head high voltage cable installations. Performed and monitored asphalt standardized tests for quality and strength. Documented field measurements and sketched work for report. Maintained all records in accordance with NYS Manual of Uniform Record Keeping (MURK)

Jan 2002 – Dec 2004
Sidewalk, Pedestrian Ramp, and Curb Restoration Project in Borough of Queens - In partnership with the New York City Department of Design & Construction (NYCDDC) - $80M Project. Coordinated, setup and monitored MPT for sidewalk and pedestrian ramp construction in various locations in Queens. Analyzed and marked out violated sidewalk based on Preliminary Inspection Report (PIR). Performed concrete inspection for all sidewalks, curbs and pedestrian ramp installations. Prepared concrete cylinders for Lab Testing (7 day, 14 Day, 28 Day Breaks).

Oscar Hinkle,

Sr. Contract Specialist

EDUCATION

Bachelors of Education, State University of Saint Petersburg, Russia

CERTIFICATION

OSHA Outreach 10 Hour

COMPUTER LITERACY

Microsoft: Excel, Outlook, PowerPoint, Publisher, Word; *Oracle*: **Primavera Contract Manager (Formerly Expedition)**

RELEVANT EXPERIENCE

Oscar Hinkle has over 12 years of experience in construction and facilities management with a focus on building facilities and a strong emphasis on all aspects of project documentation including the submittal and review process, RFI's, and executive summaries. With Savin for over 10 years, Mr. Hinkle's knowledge to detail and exceptional written and verbal communication skills have made sure our clients receive the quality they expect. Mr. Hinkle has been responsible for the on-site, field supervision and project administration for the following Savin projects:

2010-Present

Port Jervis City School District – Project administration for $14 million Excel project and additional $3.8 million in Capital projects including boiler replacements, unit ventilator replacements, conversion to DDC controls, installation of District-wide VoIP telephone system, window replacements, office renovations, toilet room renovations, installation of emergency generator systems and installation of new domestic well and storage tank. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Attend weekly Progress Meeting.
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

2009-2010

Pocantico Hills Central School – Project administration for $18 million infrastructure renovation project including boiler and unit ventilator replacement and new DDC controls along with roof replacement. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Attend weekly Progress Meeting.
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

2009

Monticello Central School District - Project administration for $7 million Excel project, included boiler replacements, upgrade of all IDC's and construction of a new Network Operations Center. Also included a 50 camera network based security system. This was followed by a $4 million Energy Performance Contract that included additional boiler replacements and converting the entire HVAC systems of seven buildings to DDC controls. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

2007-2008

Tuckahoe Union Free School District - Project administration for $14 million additions and renovation project including new fully-equipped science and computer labs. Project included a new artificial turf football field and a new underground fuel storage tank. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

2002-2007

Enlarged City School District of Middletown, Hyde Park Central School District, Union Free School District of the Tarrytowns, Irvington Union Free School District, Ellenville Central School District, Stamford Public Schools, Rye City School District – Project administration for multiple capital renovation & addition projects. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

Thomas D'Addio

Structural Engineer

EDUCATION
B.S. - Civil Engineering, Syracuse University

CERTIFICATION
EIT Certification, April 2011

MEMBERSHIP
SRC/LCS Engineering Ambassadors - Member
Order of the Engineer – Member

COMPUTER SKILLS
STAAD.Pro, RISA 3D, AutoCAD, Mathcad, Microsoft Excel, Word & PowerPoint

RELEVANT EXPERIENCE

2012-2013
Binghamton Johnson City Joint Sewage Treatment Plant - Backwash Equalization Tank Stabilization Project.
Chief Inspector/Project Engineer – Contract included installation of geofoam and placement of controlled low-strength material adjacent to existing tank walls to reduce lateral loading. Mr. D'Addio's responsibilities include:

- Coordinate with contractors
- Inspection of excavation and stabilization of tank walls
- Coordinate change orders
- Prepare meeting minutes and lead progress meetings
- Photo documentation of project progress
- Process payment
- Prepare close out reports

2012
Binghamton Johnson City Joint Sewage Treatment Plant - Interim Demolition
Chief Inspector/Project Engineer – This project included installation of steel bracing, demolition of existing reinforced concrete walls and media removal. Mr. D'Addio's responsibilities included:

- Coordinated with contractors
- Inspection of demolition and installation of steel bracing
- Coordinated change orders
- Prepared meeting minutes and lead progress meetings
- Photo documentation of project progress
- Process payment
- Utilize Primavera Contract Management
- Prepared close out reports

2011-2012
Throgs Neck Bridge Repairs
Construction Inspector/ Engineer – Worked as an onsite construction inspector and office engineer assisting in construction management for the MTA (Metropolitan Transportation Authority) on the 15 Million Dollar Anchorage and Tower Protection Project and the 47 million dollar Interim Repairs of Orthotropic Deck Structure Project at the Throgs Neck Bridge.

Thomas D'Addio
Construction Engineer

Daily responsibilities for field work included inspection and preparing reports for: installation of FRP piles and steel fenders, construction of new steel walkways, inspection of existing structural elements, installation of new navigation and decorative lighting systems, and repairs of deteriorated steel members. Additional responsibilities included daily coordination with the MTA throughout the project, from the onset of design, through construction and finished work to uphold quality standards while maintaining a mandated schedule of deadlines. Office tasks and responsibilities included additional coordination with the MTA, preparing estimates for change orders, verifying shop drawings and work records, and compiling quantities of work completed for payment.

2011
Paerdegat Basin CSO
Construction Inspector – Worked as an onsite construction inspector assisting in construction management for the DEP (Department of Environmental Protection) on the Paerdegat Basin CSO Improvement Project. Scope of work for the project included inspecting and preparing reports for: excavation, removal, and shoring of existing roadway and sewer pipe, construction of concrete pipe, manholes, and supporting reinforced concrete pads, and the installation of supporting timber piles for sewer pipe cradle. Additional responsibilities included coordination with the DEP and monitoring all daily work activities to maintain proper safety standards.

2010
Structural Engineer– Responsible for project coordination tasks and deliverables including:

- Designing structural steel members
- Generating computer models for analysis
- Providing structural calculations for steel framing and concrete reinforcing.
- Reviewing shop drawings and specifications
- Creating drawings and sketches
- Performing structural inspections of repairs
- Preparing written technical reports
- Coordinating with contractors and responding to RFI's.

2008-2009
Field Assistant – Field Services
- Worked with sewer smoke testing teams
- Assisted field engineers on sewer CCTV inspections
- Performed manhole inspections

John V. Codella

Civil/Structural Construction Inspector

EDUCATION

Nassau County BOCES – Architectural Drafting
Nassau Community College – Elementary Surveying I
Various computer and drafting course

CERTIFICATION

Level III Inspector, Heavy Highway Construction
N.I.C.E.T. Certification #[redacted]
OSHA Course completed 2012

RELEVANT EXPERIENCE

Mr. Codella's 28 years of experience on major highway and bridge construction inspection projects with the NYS Department of Transportation includes a strong background working in topography, surveying and drafting. Project responsibilities include concrete testing, soil sampling and testing, asphalt paving, erosion control and Maintenance and Protection of Traffic. Duties include supervision and control of contractor's construction activities, enforcement of safety standards, accurate payment and reporting of contract items and quality assurance of material specifications. Major items of work involve concrete and rebar installation for bridge substructures, concrete and asphalt paving, drainage installation and stone bridge construction.

2012-Present
Senior Inspector: Bronx River Parkway Bridges at Crane Road, Westchester County
Mr. Codella is providing construction inspection services for the replacement of the Bronx River Parkway Bridges, at Crane Road over the Bronx River and Metro-North Railroad in the towns of Scarsdale and Greenburgh.

2007-2012
Senior Inspector: NYSDOT - Reconstruction of Cross Westchester Expressway I287 Stage III, Harrison, N.Y. $141M
Senior inspector in charge of subbase placement and asphalt paving operations; excavation and embankment operations; precast culvert and guide rail installation. Supervised rebar installation and concrete placement for bridge footings, abutments, wingwalls and pedestals.

2004-2007
Senior Inspector: NYSDOT - Reconstruction of Taconic State Parkway, Yorktown, N.Y. $68M
Inspector in charge of asphalt paving operations, subbase placement, drainage and precast culvert installation, guide rail installation, wetlands mitigation and soil erosion control and final computations.

2002-2004
Senior Inspector: NYSDOT - Reconstruction of Route 6 and Construction of Bike Trail, Town of Carmel/Mahopac, N.Y. $6M - Duties on this project included installation of GRES Wall, precast box culvert installation, rehabilitation of existing drainage system,

paving operations, wetland creation, fence and guide rail installation and supervision of inspectors and final computations.

1999-2001
Senior Inspector: NYSDOT - Reconstruction of the Hutchinson River Parkway, Rye Brook, N.Y. $30M - Inspector in charge of Daily Maintenance and Protection of Traffic, paving operations, stone bridge rehabilitation, guide rail installation and final drainage computations.

1998-1999
Senior Inspector: NYSDOT - Reconstruction of Route 9, Town and City of Poughkeepsie, N.Y. $10M - Inspector in charge of Daily Maintenance and Protection of Traffic, slipform concrete median barrier installation and paving operations.

1996-1998
Senior Inspector: NYSDOT - Reconstruction of the Saw Mill River Parkway, Towns of New Castle and Mount Pleasant, N.Y. $9M - Duties on this project included the creation of an 8' shoulder, installation of new storm sewer systems, traffic signal rehabilitation, granite curb and concrete sidewalk installation, topsoil placement and establishing turf. Final computations for drainage quantities.

1994-1995
Senior Inspector: NYSDOT - Reconstruction of the Saw Mill River Parkway, Towns of Pleasantville and Mount Pleasant, N.Y. $7M - Duties on this project included creation of an 8' shoulder, installation of new storm sewer system, plantings and extensive stone bridge rehabilitation. Emphasis placed on Maintenance and Protection of Traffic and final computations for quantities.

1974-1994
Various Civil Engineering firms working as a topographic, survey and engineering draftsman.

Lorraine Zeller

Sr. Construction Inspector

EDUCATION

B.A. Geology, State University of New York, New Paltz, 1983

CERTIFICATIONS

40 Hr Health and Safety Operations at Hazardous Materials Sites, 29CFR 1910.20
10-Hr Construction Safety Awareness Training, 29 CFR 1926

RELEVANT EXPERIENCE

WORK EXPERIENCE HIGHLIGHTS

- NYSBA-Newburgh-Beacon Bridge Expansion joint replacement
- NYSTA – I-87 I-84 Interchange Phase II at Newburgh, NY
- DCW&WA – Water main installation – Rail trail & Hyde Park
- NYSTA – Noise walls & rock outcrop remediation
- NYSDEP – Restoration of West Branch Dam
- Landfill Closures

2011 - 2013
Inspector, TANY 10-18 D213941, Safety Upgrades at Mile Post 46.0 thru Mile Post 60.5, New York Division, Orange County
Project consisted of upgrades to the guide rails throughout the project. Drainage upgrade including culvert extensions / replacement, headwall removal and replace A.O.B.E. drainage. Structure alterations at various locations. Flattening of slopes, shoulder backup throughout project. Project includes various visual inspections and as needed safety upgrades.

2009
Geologist/Inspector – NYSBA-Newburgh - Beacon Bridge – North Span – Responsible for the field inspection for the NYSBA North Span expansion joint replacement. The scope of the project was the removal of fifteen modular joints and replacing them with steel finger expansion joints. The project included saw cutting the bridge deck, disassembling the existing joints, and then removing the sections with a crane. Then the new joint was assembled and installed. The diaphragm, angle clips and scuppers were bolted to the existing steel structure. The new finger joints were lower into place with a crane. Once in place the finger joint was then bolted and welded to the steel structure of the bridge. Inspected the installation of the joints and the torque testing of the bolts. Inspected the painting of the newly installed structure and the clean-up which included the removal of debris and scaffolding. The project spans over two railroad tracks and the main channel of the Hudson River. Coordinated with Metro-North, CSX and tug boats to stop work when they were approaching to pass under the work zone.

2006-2008
Environmental/Construction Inspector – NYSTA-I-87 & I-84 Interchange Phase II - Responsible for field inspection for NYSTA Interchange Phase II. This phase constructed six new buildings including maintenance buildings, two salt sheds, two-toll plazas, a toll plaza building and NYS trooper barracks. The project included demolition of all existing buildings on site and relocating all utilities. Responsible for the inspection of all underground utilities – sewer, water, storm drains, telephone and electric lines. Inspected the installation of pipe, valves, hydrants, pre-cast vaults and manholes. Observed subcontractor set up equipment to tunnel under I-84 and Route 300. Once all the utilities were in place, witnessed the disinfection and hydrostatic testing of the water lines and the pressure testing of the sewer lines. Assisted with environmental issues such as collecting soil samples to be tested for contamination before the slab foundation is poured. Observed subcontractors remove asbestos from several buildings slated for demolition.

Witnessed the demolition of old buildings. Inspected the excavation for building footings and retention ponds and calculated soil volumes. Helped with the inspection of the new buildings which included the re-bar and form work for footings, grade beams, and the installation of roof trusses. Assisted with the concrete pours by coordinating with the concrete testing lab's inspector, checking truck tickets and observed the placement of the concrete.

2005-2006
Inspector – Dutchess County – Central Dutchess Water Transmission Line – Responsible for field inspection for the Dutchess County Water and Wastewater Authority water transmission line. This twenty-four inch water line was designed to bring water from Poughkeepsie to IBM's East Fishkill manufacturing plant. This is the same thirteen-mile waterline project for which she supervised the soil borings while working for Savin Engineers, P.C. Worked with clearing and grubbing crews to insure that they stayed inside project boundaries. Inspected the installation of silt fence and haybales along the railroad corridor and the roadways. Prior to the installation of the pipe, worked with blasters. There were several miles of rock, which had to be blasted before the pipe could be installed in the ground. Responsible for the preparation of blasting reports with detailed drawings of the blast layout. Inspected the installation of ductile-iron pipe, valves, hydrants, thrust blocks and the installation of pre-cast vaults. Observed the contractor set up equipment and tunnel under streams, state and county roads. Observed the installation of forty-eight inch concrete pipe, which would house the twenty-four inch ductile-iron pipe. Witnessed the disinfection of the waterline and observed the contractor perform hydrostatic testing of the pipeline. Conducted weekly environmental survey and implemented the Storm Water Pollution Prevention Plan (SWPPP) prepared under the requirements of New York State Department of Environmental Conservation SPEDES Permit No GP-02-01. This task included record keeping and weekly inspection of the site for environmental problems. Issued a weekly report to the contractor dealing with deficiencies and required actions to comply with the SWPPP.

1999-2005
Inspector – NYSTA – Noise Barrier Wall – Responsible for conducting field inspections at a NYSTA noise wall projects at Spring Valley and Hillburn. Prior to installing access roads, observed and recorded quantities as the contractor removed guiderail, installed temporary concrete barrier and silt fence with haybales. Inspected the installation and maintenance of a temporary access roadway for construction activity. Responsible for checking the depths of drilled footings and the fabrication of re-bar cages. Coordinated with concrete testing lab for the inspection of the concrete for the footings. Inspected posts and panels when delivered to site for defects. Once posts and panels were erected, checked to see that each post and panel was properly installed and caulked. Inspected weekly temporary erosion and sediment control measures including haybales, silt fence, and jute mesh covered slopes. Coordinated with NYSTA traffic control for lane closures for the installation of temporary concrete barrier and the installation of noise wall posts and panels.

Field Inspector – Dutchess County – Central Dutchess Water Line – Responsible for overseeing the drilling operation for the Dutchess County Water and Wastewater Authority. Coordinated and supervised two drilling crews to perform soil borings for the proposed thirteen-mile waterline. Collected data from the twelve hundred soil borings to get a stratigraphy overview of local geology. Data was acquired through the use of hollow stem auger drilling. Soil samples were taken with split spoon sampling and when rock was encountered it was cored with a diamond bit core barrel.

Inspector – NYSTA – Rock Outcrop Remediation – Responsible for conducting field inspections at a NYSTA rock remediation project mile marker 37. Observed and recorded quantities as the contractor removed guiderail, installed temporary concrete barrier and silt fence with haybales. Inspected the installation and maintenance of a temporary rock catchment barrier fence. This fence was installed to catch rock during the blasting and the reshaping of the rock outcrop to a 1:1 slope. Responsible for preparing blasting reports which showed detailed drawings of hole layout, distance apart, number and size of dynamite sticks in each hole, along with the timing delays for each hole. Coordinated with NYSTA traffic control for stopping traffic during blasting. Inspected the construction of a ditch at the toe of the rock slope. Observed and recorded quantities of topsoil and seed used to establish turf. Also responsible for inspecting the milling and repaving of damaged roadway and inspected the installation of guide rail and chain link ROW fence.

Inspector – NYSDEP – Construction/Restoration at West Branch Dam – Work included restoration of various dams in the NYSDEP watershed area. This included the exterior cleaning and repointing of a one hundred year old dam and gatehouse. Inspected and calculated quantities of rip rap stones placed along the shoreline of the reservoir. Inspected the erection of a concrete building, which would house equipment to monitor and control the flow of water into a stream. Inspected the rehabilitation of the gatehouse interior. This entailed removing old wooden sluice gates and guide rails, repointing and replacing damaged brick and installing new guide rail and new metal sluice gates. Landscaping improvements included planting a three-acre meadow of Native American plants and the installation of security fencing.

Inspector – Dutchess County – Ductile-Iron Water Main – Responsible for field inspection for the Dutchess County Water and Wastewater Authority water main line to connect Hyde Park to Staatsburg. Worked with clearing and grubbing crews to insure we stayed inside of our project boundaries. Inspected the installation of silt fence and haybales along county and private property. Inspected the installation of the ductile-iron pipe, valves, hydrants, thrust blocks and the installation of three pre-cast concrete vaults. Recorded daily quantities of rock removed to install pipe and fittings. Observed the set up of equipment for tunneling under roads for two-inch service line. Measured and checked to see that the service lines had four feet of ground cover for frost protection. Observed the installation of two-inch taps for homeowner's connections. Witnessed the disinfection of the waterline and observed the contractor perform hydrostatic testing of the pipeline.

Field Inspector – NYSDEP – Proposed Water Treatment Plant – Responsible for overseeing the drilling operation for the New York State Department of Environmental Protection Agency. Coordinated and supervised drilling crews to perform soil borings for the proposed Westchester Water Treatment Plant located on Route 100c. Worked on the phase 1 drilling project, collected data from the fifty soil borings and the 10 monitoring wells to get a stratigraphy overview of local geology for building foundations. Data was acquired through the use of hollow stem auger drilling. Soil samples were taken with split spoon samplers and when rock was encountered it was cored with a diamond bit core barrel. Also monitored the water level in the 10 monitoring wells for one year. This data was used to determine direction of groundwater flow and seasonal groundwater table fluctuations.

John J. Franco

Structural Inspector

EDUCATION

B.S. – Civil/Environmental Engineering, Manhattan College, NY, 2012
Liberal Arts & Social Sciences, Westchester Community College

AFFILIATIONS

Member of ASCE Student Chapter at Manhattan College.
Member of The New York Water Environmental Association.

SKILLS

Microsoft Office, familiar w/ AutoCAD, HECRAS, EPANET, SWMM, Primavera Contract Manager, Fluent in Spanish

RELEVANT EXPERIENCE

Mr. Franco's experience includes working as a Construction Manager where he used Primavera Contract Manager to produce daily reports, file submittals and RFI's; prepared meeting minutes for all construction team personnel; prepared schedules for contractors concerning construction activities in accordance with due dates and reviewed payment applications for processing. He recently performed construction inspection at the New Rochelle Wastewater Treatment Plant for the BNR and non-BNR contracts. Specific Project Experience includes:

Structural Construction Inspector - New Rochelle Wastewater Treatment Plant, New Rochelle, NY

- Inspected installation of reinforcing steel in accordance with the contract documents and approved shop drawings for the walls and foundation slabs associated with the UV Building, Process Control Building and BNR Building.
- Inspected the fabrication and installation of concrete formwork for walls, foundation slabs, suspended slabs, and beams associated with the UV Building and BNR stair tower, equipment galleries and backwash tanks. Checked for wall and slab thickness, beam dimensions, waterstop locations and installation, and keyways.
- Inspected installation of structural steel framing and metal deck associated with the Process Control Building garage.
- Inspected placement of 5,000 PSI concrete for the filter cell walls for the BNR Building and junction chambers walls for the UV Building. Concrete placement was in accordance with the contract specifications in regards to mixing requirements, time restrictions, and curing requirements.
- Witnessed and recorded concrete testing including slump test, air test and temperature test.
- Inspected installation of upper and lower grid piping and grid air brackets in the N and DN filter cell walls for proper spacing and elevation.
- Inspected assembly of 30-inch diameter static mixer and spool for N and DN filter cells, mechanical joints, 30-inch butterfly valves, and 42-inch diameter stainless steel backwash piping.

Construction Manager - Hawthorne PEARLS Elementary School, Yonkers, NY

- Full Interior Restoration (Classrooms, Hallways, Restrooms) and Abatement

- New windows and new roof
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.

Construction Manager- P.S 10, Yonkers, NY

- Masonry repairs, new roof and Abatement work
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor

Construction Manager - Saunders H.S, Yonkers, NY (Kitchen Renovation)

- New kitchen plumbing and electrical. New floor, ceiling, paint. Abatement
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.

Construction Manager - Saunders H.S, Yonkers, NY (Athletic Field Restoration)

- Excavation, grading, storm drain installation and synthetic field installation.
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.
- Assisted in testing concrete for the drains.

Construction Manager - Lincoln H.S, Yonkers, NY

- New Handicap ramp, new bathrooms to accommodate the handicapped, installed new handicap lift in auditorium, installed new eye/face wash stations.
- Assisted in testing concrete for new handicap ramp that was built. Checked to make sure the re-bars were the correct size. Assisted in making sure all components of the job was consistent with ADA regulations.
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.

Design Engineer - North River Wastewater Treatment Plant, New York, NY

- Assembled various reports regarding investment grade feasibility study for cogenerations, basis of design report and technical memorandums.

Michael Balagula, P.E.

Instrumentation & Controls, Electrical

EDUCATION

MSEE/1971/Automation of Electrical Machines for Petroleum Industries/Petroleum College, Odessa Former USSR

Graduate Study: Computer Science II - 1982/24 Credits Toward Masters Degree in Computer Science/Cleveland State University/Cleveland, Ohio

CERTIFICATION

Professional Engineer/WA

PROFESSIONAL SOCIETIES/AFFILIATIONS

ISA - Instrument Society of America
IEEE - Institute of Electrical and Electronic Engineers
NFPA - National Fire Protection Association

TRAINING

Configuration and Programming of PLC systems Allen-Bradley training course 1995
Engineering Configuration of Ovation DCS systems by Emerson 2002

RELEVANT EXPERIENCE

Mr. Balagula has more than 35 years of project experience in large-scale municipal projects involving preparation of plans and specifications, construction management and resident engineering. Responsible for design of electrical and control systems, pump stations, electrical and process equipment selection for wastewater, water, chemical, petroleum, fossil and waste-to-energy plants; paper mills and hazardous waste processing. Supervise the electrical and control system engineering staff with overall responsibility for the conceptualization, design of electrical and instrumentation systems for industrial, waste water, hazardous waste, and solid waste projects. Outline scope of work and define system architecture based on the process requirements. Responsible for preparation of detailed specifications, electrical One Lines, Electrical Load plans, schematics and P&IDs as a complete bid package.

NYCDEP, Hunts Point WPCP Stabilization Design, Bronx, NY:
Electrical and Control Systems Design Engineer, Design of instrumentation and control for the upgrade of this 200-mgd WPCP including upgrade of the main 400-mgd sewage pump lift station. The project includes a plant wide digital distributed control system (DCS). Data will be transmitted from distributed control units located throughout the plant via a fiber-optic data highway to the central plant control room. The DCS will provide centralized supervisory control, monitoring, recording, reporting, and trending capabilities.

Nassau County, Cedar Creek Wastewater Treatment Plant, Cedar Creek, NY: Electrical and Control Systems Design Engineer, responsible for construction administration of electrical and instrumentation systems for this wastewater treatment plant upgrade project. The plant, with a capacity of 120 mgd, underwent major expansion including a large-scale upgrade to the digester facility. Designed 120-mgd main sewage pump lift station. Significant involvement with the computer system that controls and monitors a diesel generation facility, including electrical power distribution system; implementation of Distributed Control System (CDS) manufactured by Fisher and Porter that controls second stage aeration. Assisted in the development of plant Designed flow distribution algorithm to optimize BOD treatment. Designed distributed SCADA system for four 3,000 kW diesel generators. Developed detailed P&ID and interconnecting wiring diagrams based on the manufacturer shop drawings

NYCDEP, Flushing Bay 28.5 mgd CSO Storage Facility, Queens, NY: Control Systems Design Engineer, Design of instrumentation and control system and 28 mgd pump station for this $200 million facility. Included is a SCADA system tying control of the facility to the Tallman Island WPCP.

NYCDEP, Hunts Point WPCP Stabilization Design, Bronx, NY: Electrical and Control Systems Design Engineer, Design of instrumentation and control for the upgrade of this 200-mgd WPCP including upgrade of the main 400-mgd sewage pump lift station. The project includes a plant wide digital distributed control system (DCS). Data will be transmitted from distributed control units located throughout the plant via a fiber-optic data highway to the central plant control room. The DCS will provide centralized supervisory control, monitoring, recording, reporting, and trending capabilities.

Elf Autochem Plant Upgrade, Buffalo, NY: Project Manager for Electrical and Instrumentation design of chemical plant upgrade. Project involved upgrade of two 3,000 KVA electrical substations and evaluation of all existing electrical systems. Design plant-wide personal computer-based Supervisory Control and Data Acquisition (SCADA) system to monitor Power Distribution and other plant processes. Responsible for preparation electrical and instrument contract bid documents.

NYCDEP, 108th Street Pump Station, Brooklyn, NY: Electrical Design Engineer, Electrical and Instrumentation design of a 40 mgd lift station. Responsibilities include preparing cost estimates, creating and reviewing electrical Contract Drawings, electrical Specifications and providing coordination efforts for the project.

NYCDEP, Corona Avenue 400 mgd CSO Vortex Facility, Queens, NY: Electrical and Control Systems Design Engineer, Design of instrumentation and control system for this $35 million facility. Instrumentation and control includes design of testing facilities for a two-year evaluation of this prototype CSO treatment facility.

NYCDEP, Designed Electrical and Control Systems, Boiler Plant Upgrade, New York: Designed electrical and control systems, coordinated mechanical civil and electrical design coordination efforts, assisted in the selection of mechanical and electrical equipment, assured design compliance with applicable safety codes.

NYCDEP, English Kills Aeration Demonstration Project, Brooklyn, NY: Electrical and Control Systems Design Engineer, Electrical and Instrumentation design of an aeration facility. Responsibilities include preparing cost estimates, creating and reviewing electrical Contract Drawings, electrical specifications and providing coordination efforts for the project.

NYCDEP, Owls Head Hypochlorite System Upgrade, Brooklyn, NY: Electrical and Control Systems Design Engineer, responsible for design of upgrade to the hypochlorite system for NYCDEPs Owls Head WPCP.

NYCDEP, Port Richmond Boiler Upgrade, Staten Island, NY: Electrical and Control Systems Design Engineer for Instrumentation and Controls for this Boiler Upgrade project for the NYCDEP.

Keith Craven
Sr. Electrical Engineer

PROFESSIONAL ORGANIZATIONS
Member of the Illumination Engineering Society of North America (IESNA)
Member of the Society of American Military Engineers (SAME)
Citation from Commanding Officer R.M. Honey, Captain, US Navy, "For Professional Achievement in the Superior Performance of Your Duties During the Power Outage at Naval Weapons Station Earle Pier Complex from 16 to 24 March 2000"

EXPERIENCE

Mr. Craven has over 36 years of experience in senior management, project management and design engineering, including power distribution, lighting, controls, power generation, lightning protection systems, primary and secondary grounding systems, fire alarm systems, fiber optic systems, communications, demolition and cost estimating. Over 23 years of experience with projects for the Department of Defense, Veterans Administration and Army Corps of Engineers. Responsible for multiple design engineering projects, including administration, design analysis/narrative, engineering, specifications, and cost estimation. Responsible for scheduling of project work.

Explosive Truck Holding Yards # 1 & 2 – Security Improvements
Naval Weapons Station Earle (NWSE), Colts Neck, NJ
Electrical design engineer for the electrical and security up-grades to two explosive truck holding yards. The design called for the installation of an emergency back-up generator system as well as a complete CCTV security system. Responsibilities included the interconnection of all required equipment and run of fiber optic cables from the Truck Holding Yards to the station security offices. Included with this was the placement and mounting of all CCTV cameras. Head-End equipment and CCTV camera units were used on the project. The fiber optic run included transmitters, receivers, patch panels and associated data surge suppression devices. New power was designed for the CCTV cabinets and the internal equipment, including power surge protection. Combination of both single-mode and multi-mode fiber optic cables were used. Fusion splicing was specified for all required connections as necessary.

Security Up-Grades to Ordnance Storage Magazines
Naval Weapons Station Earle (NWSE), Colts Neck, NJ
Electrical design engineer for electrical and security upgrades to multiple ordnance storage magazines located in a secure area of NWSE. Design included new power for equipment, lighting, and security systems for intrusion detection and CCTV observation and recording. Responsibilities included the interconnection of all required equipment and run of Fiber Optic cables from the magazines to the station security offices. Included with this was the placement and mounting of all CCTV cameras. Head-End equipment and CCTV camera units were used on the project. The fiber optic run included transmitters, receivers, patch panels and associated data surge suppression devices. New power was designed for the CCTV cabinets and the internal equipment, including power surge protection. Combination of both single-mode and multi-mode fiber optic cables were used. Fusion splicing was specified for all required connections as necessary.

Great Neck Schools – Emergency Generators
Great Neck School District - Great Neck, New York
Design Engineer for the design of three natural gas fired emergency generators to provide back-up power to the High School, Middle School and Commons Building. Three generators were designed: two 250kW units and one 350kW unit.

The design included the removal of the existing antiquated generators and a new up-rated electrical distribution system necessary to interconnect the generators to the associated building's distribution system. The new system was also configured to connect into very specific loads within the buildings via two emergency panel boards, one for critical emergency loads and the second for non-emergency but essential building supporting loads. An upgraded natural gas train was designed for each new unit. All three generators were provided with Level 2 sound attenuation enclosures. Distribution system voltage was rated at 208Y/120 volts, three-phase, four-wire. Responsibilities included contract drawings and project specifications.

Rehabilitation of the High Bridge over the Harlem River
New York City Department of Design and Construction (NYC-DDC) and,
City of New York Parks and Recreation (NYC-DPR)
Electrical Engineer responsible for the design of control and power distribution for the new lighting proposed to be installed on the historic bridge structure. Power was derived from a new Con-Edison service and distributed throughout the bridge to both the decorative and pedestrian lighting systems. Lighting was provided for accent, pedestrian safety, and "attic" space lighting required for maintenance purposes. Lighting fixture types included LED, Induction and Compact Fluorescent. Responsibilities included the coordination of all aspects of the power distribution with Con-Edison, NYC-DDC, NYC-DPR, and New York City Department of Transportation (NYC-DOT). Incoming service, delivered by Con-Edison, was a 208Y/120 volt, three-phase, four-wire system. The electrical design was developed to meet the criteria of the NYC-DOT and the Historic Preservation Authority having jurisdiction. During design, the placement of conduit, wire, junction boxes, etc. to minimize impact on the historic structure was paramount.

Sr. Project Engineer for multiple engineering projects at Naval Weapons Station Earle and Stewart Air Force Base. Sample projects included:

- Photo Voltaic System (energy upgrades) for Buildings C-60 and C-62. PV system included the coordination with PV manufacturer/vendor for the design of complete PV system. This included the interface with the AC system using with 3-Phase Grid-Tie inverter, electrical distribution, and reverse flow revenue metering.
- Electrical design for installing complete C-17 Aircraft flight simulator system at Stewart Air Force Base. This included all required electrical distribution, communications, and fiber optics for full operation of the simulator. Responsible for coordination with the associated Boeing engineering staff and developing systems for secure operational capabilities.
- Project electrical engineer for the design of a high voltage overhead distribution utility run (pole line construction) including 15kV G.O.A.B. switching, 9kV lighting arrestors, ACSR cabling and associated guy wire requirements. Primary voltage: 8.32kV.
- Electrical design for various renovation projects including incoming power upgrades, energy efficient lighting, distribution, emergency generators, fire alarm systems, and testing.

1977 to 2011
Senior Associate/Department Head - Electrical
Responsible for management of 14 electrical engineers and 1 architect, including workload scheduling, administration, inter-department coordination, training, and final QAQC

1995 to 2009: Base Electrical Engineer at Naval Weapons Station Earle

- Responsible for overseeing and troubleshooting major electrical problems/issues including ship-to-shore power systems, electrical testing, electrical evaluation and electrical failure investigations

1990 to 2011: Project Management

- Responsible for multiple engineering design projects for military installations, pier facilities, wastewater/water treatment facilities, commercial and industrial facilities, transit facilities, educational institutions, and prison installations.
- Responsibilities have included contract administration and negotiations, sub-consultant administration and coordination, client relations, engineering fee structures, and preparing Requests for Proposal.
- Military-specific project management provided for the integration of electrical, mechanical, structural, plumbing, and design engineering services to Naval Weapons Station Earle beginning in 1990. Work/task orders were spread over six consecutive NAVFAC IDQ contracts. They included technically diverse and complex challenges involving management of subcontractors as well as integration of the designs into an existing and continuously operating facility

Electrical Design Engineer for diverse projects associated with the US Navy, Veterans Administration, Army Corp of Engineers, Department of Environmental Protection, Long Island Railroad, MTA, Port Authority of New York and New Jersey, NYC Department of Transportation, NYC Department of Parks and Recreation, and New York City Correctional Facilities

- Responsibilities included electrical engineering design, writing of existing facilities studies, feasibility studies, electrical distribution system maintenance and repair contracts, operation and maintenance manuals, and electrical testing protocols including safety/administration duties
- Experience with design engineering projects covering voltages ranging from 34.5kV voltage systems to secondary distributions system of 208Y/120 volts, three phase

Mohamad A. Oghli

Senior Mechanical Inspector

EDUCATION

B.S - Mechanical Engineering - SUNY@ Stony Brook, 1984

CERTIFICATIONS & TRAINING

American Concrete Institute (ACI)
Hot Work Permits
Confined Space
Scaffolding – User Safety
OSHA Construction Safety & Health
FIT Test Certified
Familiar with new DEP Standard Operating Procedure and applied the SOPs into Mechanical and some civil work.

RELEVANT EXPERIENCE

Mr. Oghli has over 25 years of construction and commissioning experience. He has performed commissioning of mechanical, HVAC, electrical and related work. He has overseen commissioning and inspection staff and reported directly to the owners representative.

2005 – 2013
Sr. Construction Inspector
NYCDEP – Paerdegat Basin CSO Facility Contracts: 4B, 5G, 5H, 5P and CSO-6.

- Oversaw the commissioning, testing, document conformance and installation of HVAC systems to include:
  - Unit Heaters (Electrical & gas fired)
  - Air Handling Units
  - Air conditioning and condensing units
  - Computer Room Air Conditioning Units (CRAC Unit)
  - Motorized Smoke fire and gravity dampers
  - Automatic temperature controls systems, including life safety interlocks and shut downs.
- Inspected and documented conformance with contract documents for all testing, adjustment, and balancing of HVAC ductwork systems.
- Field testing of equipment and ATC control systems.
- Inspected and documented equipment startup and commissioning, including manufacturers certifications for warrantee and guarantees.
- Compiled equipment and HVAC system deficiencies and punch lists and implemented corrections for acceptance.
- Reviewed, attended and audited all HVAC equipment and system operation and training to ensure appropriateness of scope of work.
- Oversaw installation and commissioning of Instrument Control system with assistant of I & C Engineer
- Inspected installation and testing of piping for water, drain, gas, SS air, and sprinkler piping system including the insulation for required piping.
- Inspected installation, testing and commissioning of sluice, slide and tide gates, service water skids, boilers and related breeching system, hot water heaters, fuel oil filtration and pumping skids, circulating water pumps, sump pumps, grit pumps and related valves.
- Oversaw installation, testing and commissioning of Carbon Vessel for Odor Control System.
- Oversaw the installation, testing and commissioning of screening and conveyor systems.

- Involvement with shop drawings and drawings review.
- Inspected the installation and testing of a 2000 gallon underground storage fuel tank for boilers and connecting piping.
- Also inspected underground gasoline, diesel tanks, pump dispersion, control devices and fire protection systems of vehicle fueling station.
- Inspected the installation of piping for storage tank for backup generator.

2003-2005
Remex Construction Corp., Astoria, NY – Responsible for different phases of mechanical/structural rehabilitation of commercial buildings in New York related to pumps/motors and pipe supports.

2002-2003
Kent Construction Co., Inc., Woodside, NY – Responsible for overseeing demolition of balconies in a 36-story building, restoration of boiler rooms, placement of concrete and arrangement of pipe support systems. Obtaining permit from NYCDOB "CD5" for submittal related to stage scaffolding using outrigger beams and/or hooks.

1985-2002
Worked as an independent contractor; managing all different phases of new construction, restoration/rehabilitation of commercial/residential buildings.

Andrew Denniser

Construction Inspector

EDUCATION

Queensborough Community College, Queens, NY, 2002
APEX Technical School, New York, NY, 2003

TECHNICAL SKILLS

Electrical/I&C: Low voltage control wiring, control instruments and gauges, RGS conduit, mega-ohm testing, continuity testing, wiring diagrams and wiring schematics

Mechanical: Boilers (Hydronic, steam, electric, direct vent), HVAC units (split system, package unit, chilled water system, heat pump), piping, refrigeration lines, industrial and commercial pumps

RELEVANT EXPERIENCE

Construction Inspector, Yonkers WWTP
2012-Present

As a Construction Administrator/Inspector acted as liaison between the contractor, designer and the client. Coordinated all construction activities with working plant operations. Prepared documentation for and participated in Pre-Construction, Monthly Progress, and Issues and Tasks Meetings. Maintain and prepare logs and documentation for Federal and State funding appropriation audits. Reviewed, negotiated and authorized all payments.

Provided Electrical/I&C Inspection which included:

- installation of conduits, fixtures, disconnect switches, wires and cables
- testing of wires and cables (mega-ohm, continuity, millivolt, milliamp testing)
- installation and testing of instruments and controls
- installation of electrical meters, circuit breakers and panels

Provided Mechanical Inspection which included:

- installation and testing of boilers and other HVAC equipment
- insulation of piping, ductwork, and ventilation equipment
- exhaust and odor control systems
- Installation of windows & doors
- metal fabrication and welding
- roof systems

Provided Plumbing inspection which included:

- metal piping, fiberglass, drainage and storm piping
- hanger and support systems
- seismic anchoring systems
- hydrostatic testing
- installation of various types of valves (electrical and manual)

Provided civil inspection which included:

- Installation of rebar, form work, steel I-beams and channels
- Placement of concrete pads/piers and asphalt roadways
- Construction of masonry walls

2011-2012 Construction Inspector, Port Richmond WWTP, NYCDEP

Performed Construction Inspector duties as well as maintained quantities log book, reviewed new shop drawings, monitored adherence to DEP specifications and Standard Operating Procedures (SOPS) to ensure no conflicts, maintained ARRA logs and prepared for ARRA audits, HAZMAT logs and results, assisted in change orders (drafted, estimating, and negotiations) and payments.

Provided Electrical/I&C Inspection which included:

- installation of conduits, fixtures, disconnect switches, wires and cables
- testing of wires and cables (mega-ohm, continuity, millivolt, milliamp testing)
- installation and testing of instruments and controls
- security monitoring and communication systems
- street lighting
- installation of electrical meters, circuit breakers and panels

Provided Mechanical Inspection which included:

- installation and testing of boilers and other HVAC equipment
- natural gas piping and fuel oil piping
- insulation of piping, ductwork, and ventilation equipment
- exhaust and odor control systems
- metal fabrication and welding
- roof systems
- finished carpentry

Provided Plumbing inspection which included:

- water mains and waste water treatment systems
- fire systems (dry, wet, deluge, stand pipe)
- various metal piping, fiberglass, drainage and storm piping
- hanger and support systems
- seismic anchoring systems
- various types if hydrostatic testing
- installation of various types of valves (electrical and manual)

Provided civil inspection which included:

- Installation of rebar, form work, steel I-beams and channels
- Placement of concrete pads/piers and asphalt roadways
- Construction of masonry walls

2008-2011
Construction Inspector, Paerdegat Basin CSO
Provided construction inspection services on the Paerdegat CSO Project for the New York City Department of Environmental Protection.

Provided Electrical/I&C Inspection which included:

- installation of conduits, fixtures, disconnect switches, wires and cables
- testing of wires and cables (meggar, continuity, millivolt, milliamp testing)
- installation and testing of instruments and controls
- security monitoring and communication systems
- street lighting
- installation of electrical meters, circuit breakers and panels

Provided Mechanical Inspection which included:

- installation and testing of boilers and other HVAC equipment
- natural gas piping and fuel oil piping
- insulation of piping, ductwork, and equipment
- installation and operation of flushing, sluice, and slide gates
- exhaust and odor control systems
- vehicle fueling stations
- installation and operations of bar screens and all pumping systems (dewatering, and submersible pumps)
- installation of conveyors and monorail and bridge crane systems
- Installation of windows, doors and wooden tides gates
- metal fabrication and welding
- roof systems
- finished carpentry

Provided Plumbing inspection which included:

- water mains and waste water treatment systems
- fire systems (dry, wet, deluge, stand pipe)
- various metal piping, fiberglass, drainage and storm piping
- hanger and support systems
- seismic anchoring systems
- various types if hydrostatic testing
- installation of various types of valves (electrical and manual)
- soil testing
- water closets and bathroom fixtures
- domestic water, sanitary waste and venting system

2007-2008
Certified Installer and Senior Service Technician
Magdad, Inc.

- Installed and serviced HVAC units of various types and configurations
- Installed and serviced walk in refrigerators and freezers
- Installed and serviced exhaust fans of various types and sizes
- Serviced Air Conditioners for the Staten Island Ferry
- Installed and serviced warming trays for the Federal Penitentiary
- Reviewed equipment specs and schematics to troubleshoot problems for field personnel
- Inspected the installation of HVAC Units for the School Construction Authority as a Certified Technician

2003-2007
Certified Installer and Senior Service Technician
Cooper Wilkins, Inc.

- Installed and serviced commercial and residential boilers of various types and configurations
- Installed and serviced HVAC units of various types and configurations
- Specialized in the installation of Low Voltage Control Wire for HVAC equipment and boilers
- Installed serviced and replaced control instruments
- Installed and serviced indirect and direct hot water unit heaters
- Reviewed equipment schematics prior to installation and/or servicing of equipment

Robert E. Krom

Sr. Mechanical Inspector

EDUCATION

B.S. – Land Surveying, Sullivan County Community College
Licensed Land Surveyor since 1973
Adjunct Professor at Sullivan County Community College, 1990-1992

CERTIFICATIONS/TRAINING

40 Hour OSHA trained
Confined Space Certified
40 Hour OSHA Hazardous Waste
8 Hour Refresher Course HAZMAT
GPS Training – LETZ equipment
CPR and AED Trained & School Bus Rescue
Volunteer Fireman – Cragsmoor Fire Co. - 31 years

RELEVANT EXPERIENCE

Mr. Krom has a broad background in construction management and inspection with over 30 years of experience. His experience includes all aspects of Resident Engineering inspection and the duties of an owner's representative. His responsibilities includes overseeing inspection and office engineering staff, chairing progress meetings, conducting special utility meetings, payment processing, submittal review, resolving field issues, coordinating controlled inspections, commissioning and preparing monthly progress reports

2012-2013
Yonkers School District, Saunders Trades and Technical High School. As construction inspector he was responsible for construction inspection of a new kitchen for the school. Mr. Krom also inspected the installation of gas lines, electrical, plumbing and kitchen equipment.

Melville School District. Mr. Krom was construction inspector responsible for the inspection of the addition of 8 new classrooms, elevator and kitchen. He inspected all mechanical, electrical, HVAC and structural work.

Yonkers School District, School 21. This project consisted of a new auditorium. Mr. Krom inspected the electrical, plumbing and general construction work.

2011-2012, Construction Inspector at the Woodbourne Correctional Facility, Woodbourne, NY, Sullivan County.- NYSOGS Project included rehabilitation of over 12,000 sq. ft. flat membrane (EPDM) **roof** for the main kitchen building. Provided electrical inspection of new Transfer Station building, removal and wiring. Inspection of horizontal boring of storm water piping as well as manhole replacement and electrical duct banks..

August 2010 – 2011, Senior Construction Inspector at the Tappan Zee Bridge Redecking, New York State Thruway Authority This contract includes the removal of the existing bridge deck from the right and center lanes northbound and southbound from the eastern point of the superstructure to the Nyack shoreline.

May - July 2010
New York State Thruway Authority - Inspector for the pavement striping of various roads including I-84, I-287, I-87 and I-95. Responsibilities also included as builts and pay requests.

2009-2010
Inspector for the 4.6 million upgrade of the Hill Sparrow WWTP 35,000 gal per/day. Work included the demolition of a sand filter building and sand filters also part of the mud well building. Demo also included several waste water distribution lines and air lines. The upgrade consisted of a new building approximately 43' x 43' x 12' which now houses a EQ tank, three new UV units, a holding tank and three seimens micro filter units, also an electrical room and a new lab room. The upgrade also included one additional sand filter, new mixers for the secondary chaifer and a new chemical food system. The Hill Sparrow WWTP now has all new control panels (PLC's) and is entirely run by a new SCADA master control panel. Mr. Krom also inspected the George Fischer WWTP 4,000 gal per/day facility. This 4.3 million upgrade consisted of a new building, EQ tank, 3 UV units, 2 micro filter units, 2 sand filters and all the control panels and SCADA system. Both jobs were NYCDEP projects. Responsibilities included overseeing inspection and office engineering staff, chairing progress meetings, payment processing, resolving field issues, review submittal, and being the eyes and ears for the design engineer.

Mr. Krom worked on the Hyde Park Superpulsator Project which involved the repair of existing concrete. Work included sand blasting of the concrete tank walls and floor. After cleaning tank he inspected for cracks and spalling. The smaller cracks were repaired by epoxy crack injection method and the larger cracks were v-notched and a structural non-shrink grout was applied. Areas where the rebar were exposed - the area around the rebar was routed at least ¾ inch all the way around and then filled with a structural crack material. Some areas were so bad that they had to saw cut the area remove the existing concrete. They drilled holes and doweled the concrete. Forms were constructed around area and a rebar mat was installed and tied to the dowels then poured with concrete.

Mr. Krom also worked on several smaller bridge jobs where parts of the concrete decking were removed and replaced on wing walls that were in need of repair (Route 52 East Ellenville, Route 32 South New Paltz and Route 52 West Greenfield Park).

2008-2009
Inspector For the $4 Million upgrade of the Blackberry and Hills Barrow WWTP. Work included new advanced sand filter units, equalization tanks and significant sitework. Performed Storm Water Pollution Prevention (SWPP) Inspections, including erosion control inspections to insure compliance with approved SWPP plan; preparation of weekly reports communicating deficiencies and suggested remedies for various storm water related issues; direct communication with operator's representative on weekly basis; documentation of site progress and certification as it relates to storm water pollution and erosion control. A 1600 sq. ft. new shingled roof was installed at the Blackberry WWTP for the process support building structure.

2007-2008
Inspector for a lime stabilization system for the City of Lancaster, PA WWTP. The system included the placement of a lime silo on the roof of the plant and a lime mixing system with screw conveyors and odor control system. Also several PLC's and controls to the MCC and SCADA system. Projected included replacement of a new 60,000 sq. ft. membrane (EPDM) roof for the process support building.

2006-2007
Inspector for a new sludge loading system and odor control system for the City of Lancaster PA WWTP. The project consisted of two new sludge bins and several conveyors to a new screw conveyor loading system. All was done inside of an existing building. Large odor control duct work was installed with two large blowers that fed a new BioFilter Building and a larger scrubber system.

2005-2006
Inspector for a large demo project at the City of Lancaster PA WWTP which demolished an old sludge loading system and large composting silo and equipment. The project included the installation of two new belt dewatering presses and a new electrical service to the old building. The electrical consist of new service from the transformer to a new switching system and several larger MCC and PLCs. The project also included the installation of a fire alarm system, eye washes, and new computer with an updated SCADA system.

2003-2004
Inspector for an RBC rehabilitation project for Kiryas Joel WWTP. The project consisted of the rehabilitation of eight (8) RBCs , the installation of four (4) new RBCs, and the piping for the new RBC, along with the replacement all of the existing piping for the old RBC. The project also included the construction of a new WWTP building at Four Bay Garage.

2002-2003
Inspector for the County of Renssalaer WWTP. The project was the rehabilitation of four (4) old clarifiers and the construction of a new 60 foot diameter clarifier along with all of the piping related to the clarifiers.

2001-2003
Inspector – Napanoch Water District – Oversaw construction of 6 miles of new water lines and hydrant installation, and 500,000 gallon water tank site and development of 5 wells.

2000-2001
Inspector – Project included the installation of 1000 feet of new sanitary sewer lines and five new HDPE lined sanitary manholes. Plans included slip lining of storm sewer lines, using 32 inch HDPE, 14 inch HDPE and 10 inch HDPE pipe for the rehabilitation of nine storm sewer manholes, and abandoning two outfalls along the Mohawk River and Utica Harbor. A major part of the project was the de-watering of the construction site, as the site had a lot of LNAPL and DNAPL, which required processing through a small water treatment plant before it would meet DEC discharge requirements. Mr. Krom managed the water treatment plant and also made several improvements to the system.

1999-2000
Resident Engineer – Responsible for monitoring well development for nine wells. Method used was surging and pumping. Activities included measurement of water levels, evaluation of the presence or absence of LNAPL and DNAPL, calculation of well volumes and organic vapor levels, emptying well discharge into drums, and documenting all liquids and waste.

1998-1999
Resident Engineer – City of Newark, NJ – City of Waterbury, CT – Cured-in-Place Sewer Lines - Projects consisted of cured-in-place lining of sewer lines ranging in size from 15 to 109 inches in diameter. Waterbury project also included the realignment of water mains, gas mains and storm water lines.

1994-1998
Mr. Krom owned a surveying business in which he did many mortgages surveys, large parcel surveys and topographical surveys. He also did a lot of construction surveying and worked with GPS and Arial Control Mapping.

1993-1994
Licensed Surveyor - He was responsible for the surveying department both field and office work.

1985-1993
Senior Party Chief - He was responsible for all field work and several field crews.

Laura Anne Cavanagh, FMA, RPA

Office Engineer

EDUCATION

Sheepshead Bay High School, 1979

CERTIFICATIONS/TRAINING

OSHA 10 hour Construction Safety- 2007
Facility Management Administrator Certification
Real Property Administrator Certification

COMPUTER SKILLS

Microsoft Word, Excel, PowerPoint, SAP, Expedition, WinTrak

RELEVANT EXPERIENCE

2011 – Present

Office Engineer for New Jersey Marine Terminal for the Port Authority of New York and New Jersey - Responsibilities include administering and coordinating all daily functions including:

- Update and Maintain Classified Logs per contract on a monthly basis
- Process and maintain all monthly Payments per contract
- Process and maintain all Monthly Reports per contract
- Process and Maintain all Contractor Performance Evaluations for closeout contracts
- Log in Net Cost Items to Wintrak per contract
- Prepare all Blue Folders
- Process and Maintain all Closeout documents for active contracts
- Process and maintain all PACC and Change Order documentation for all contracts
- Process and Maintain all SAR Documents per Contract
- Process and Maintain all TAA Correspondence and Reports

2008 – 2011

Office Engineer for Howland Hook Marine Terminal for the Port Authority of New York and New Jersey - Responsibilities include administering and coordinating all daily functions including:

- Update and Maintain Classified Logs per contract on a monthly basis
- Process and maintain all monthly Payments per contract
- Process and maintain all Monthly Reports per contract
- Process and Maintain all Contractor Performance Evaluations for closeout contracts
- Log in Net Cost Items to Wintrak per contract
- Prepare all Blue Folders
- Process and Maintain all Closeout documents for active contracts
- Process and maintain all PACC and Change Order documentation for all contracts
- Process and Maintain all SAR Documents per Contract
- Process and Maintain all TAA Correspondence and Reports

2003-2008
Assistant Office Engineer for the Port Authority of New York and New Jersey - Responsibilities included:

- Administer and coordinate all daily functions including:
- Maintain and process all Personnel records for on site employees.
- Track and record all employees vacation and sick time
- Maintain and compute all daily written correspondence
- Interact and provide assistance to Subcontractors and PA Personnel
- Maintain and process all expense reports for on site employees
- Interact and provide assistance on a daily basis with the Office Engineer
- Maintain and process Net Cost Audit Letters and summary reports for Subcontractors
- Maintain and process all Subcontractors Approval requests for signatures
- Maintain and Input all Post Award Contract Changes (PACC) for approval
- Maintain and Input all Change Order forms for approval
- Maintain and Download all site photos to various contracts for access availability
- Maintain all contract filing for available access
- Maintain and process all Contractor Performance Evaluations for closeouts
- Maintain and process all Net Cost Items to Wintrak per contract
- Prepare Weekly Construction Newsletter/ Progress Reports
- Prepare and process Blue Folders for signature
- Assist in all Contractors Payments
- Assist in Contracts Monthly Report

1999-2002
Assistant to Facility Manager - Responsibilities included:

- Administer and coordinate all daily functions including:
- Maintain and process all Personal records for all on site employees.
- Track and record all employees' vacation and sick time.
- Dispatch employees to address maintenance issues within the facility.
- Interact and provide assistance to all Clients, Vendors and Subcontractors.
- Maintain and process all accounts payable on a daily basis.
- Coordinate Facility Managers daily functions.
- Investigate and follow-up on all client complaints.
- Administer and coordinate all monthly billings and reports for clients.

1997-1999
Divisional Administrator – Responsibilities included:

- Administer and coordinate all divisional functions including:
- Maintain and process all expense reports and travel arrangement for Divisional Vice President.
- Maintain and process monthly invoicing for various sites.
- Maintain and update all Workers Compensation and General Liability claims Division wide.
- Interact and provide assistance on a daily basis with site Facility Managers.
- Maintain and process all accounts payable for Divisional Office.
- Assist Facility Managers, Corporate Office and Division with start-up of new sites.
- Investigate and follow-up on a monthly basis all delinquent payments Division wide.
- Interact with Corporate Office staff on a daily basis to facilitate operating procedures.

Frank Porco

Office Engineer/Senior Inspector

EDUCATION

Bachelor of Science, Civil Engineering Technology, 1992

CERTIFICATION

NICET IV
CPR & First Aid Certified
OSHA 10 hour

RELEVANT EXPERIENCE

2009-2013
Senior Inspector - Tappan Zee Bridge Redecking, Phase II, NYS Thruway Authority. This contract includes the removal of the existing bridge deck from the three middle lanes of the main span to the Nyack shoreline. Duties include inspection of precast roadway sections, structural steel installation and blot up, bearing replacement, pedestal reconstruction and steel repairs. Review force account submissions and submit daily IDR.

2006-2009
Senior Inspector - Tappan Zee Bridge Redecking, Phase I, NYS Thruway Authority. This contract included the removal of the existing bridge deck from the two outer lanes northbound and southbound from the main span to the Nyack shoreline. Project also included replacement of bridge rail and expansion joints. Duties included inspection of installed precast roadway sections, structural steel installation and bolt up, bearing replacement, reviewed submitted force account info and submitted daily IDR.

2005-2006
Construction Engineer - NYCDEP- Jamaica Water Pollution Control Plant – Performed construction inspection of plant upgrades including sheeted excavations, pipe installation, caisson installation and building construction.

2004-2005
Construction Inspector - Paerdegat Basin CSO, NYCDEP – Provided inspection of storage tank construction including reinforced steel and concrete placement.

2003-2004
Office Engineer - Noise Barrier Installation – Performed office engineer duties which included: processed estimates, reviewed daily IR's, produced meeting minutes, tracked contractors progress with EEO requirements and payroll, provided correspondence for Thruway Authority and Contractor. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items.

2001-2003
Construction inspector - Noise Barrier Installation – Construction inspection of noise barrier along north bound I-87. Work included drilling footings, placement of reinforcement steel and concrete, erection of prefab. Posts and panels, joint caulking, installation of R.O.W. fence and paintings.

2000-2001
Construction inspector - Noise Barrier Installation – Construction inspection of noise barrier along north bound I-87. Work included drilling footings, placement of reinforcement steel and concrete, erection of prefab. Posts and panels, joint caulking, installation of R.O.W. fence and paintings.

1999
Construction Inspector on the I-287 Cross Westchester Expressway. Work included reconstruction of 3-mile stretch of I-287 including reconstruction of two ramps and replacement of three bridges. Work included asphalt overlay, cracking and seating of underlying concrete pavement, super pave hot mix asphalt overlay, concrete median barrier, steel bearing piles, drainage, guide rail, extensive rock blasting, noise walls, utility relocations and installation of variable message signs.

1998-1999
Construction Inspector Woodland Viaduct Bridge, Westchester County, NY. Work included complete deck replacement of concrete arch bridge over active Metro-North Railroad tracks, new approaches, retaining walls, erosion and sediment control, & maintenance and protection of traffic.

Senior inspector for the $15 million project that involved the installation of an asphalt overlay on the main runway of the Westchester County Airport. In addition other work elements included drainage improvements, lighting repair, sediment and erosion control and maintenance and protection of airport traffic. To accommodate air traffic volume, most of the project work was completed at night as well as using 24-hour shifts on selected weekends.

1996-1998
Construction Inspector on the New England Thruway. Responsibilities include preparation of daily reports, computation of quantities for unit price items, on-site material testing such as concrete slump and air entrainment tests and documentation of work progress with diagrams.

Construction Inspector Chatsworth Ave. Bridge, Weaver St. Bridge and Larchmont Parking Deck. Work included removal of existing paint by sandblasting and application of paint from prime coat to finished coat. All work was done in accordance with NYSTA specifications including containment and removal of waste. Responsibilities included inspection of paint removal and application and testing for proper film thickness.

1995
Construction inspector on the construction of high-level platforms and parking lot improvements on four new railroad stations in Patterson, Pawling, Harlem Valley/Wingdale, and Dover Plains for Metro-North commuter railroad. Responsibilities include overseeing excavation work for footings and drainage pipes, grading for parking lots and the construction of railroad station platforms with reinforced concrete. Completed railroad flagging/safety course.

1992-1994
Construction inspector on the combined sewer overflow facilities at Yonkers, NY, a $10 million project involving general, electrical, HVAC and plumbing contracts. He is responsible for inspection of erection, bracing and removal of concrete formwork. He is also responsible for QA/QC of concrete including time limits for mixing and placing of concrete as well as performing slump tests, air entrainment tests and temperature readings. Inspection of finished concrete surfaces including but not limited to fins, burrs, projections, honeycombs and rubbing of concrete surfaces.

Mr. Porco also has experience with inspection of reinforcing steel including proper methods for cutting and bending of steel, splicing and spacing, proper bar cover and steel coatings. Inspection of reinforcing ranging from welded wire fabric to #18 bars.

Joseph Rykowski

Office Engineer

EDUCATION

Associate of Science, Rockland Community College

CERTIFICATION

NICET Level IV (Equivalent)

RELEVANT EXPERIENCE

2010-2012

Office Engineer - Tappan Zee Bridge Rehabilitation TZB 2 (TANY 10-9B) - Superstructure Replacement of the TZ Bridge for NYSTA ($148M). Project consisted of removal of existing deck slabs and stringers for installation of new prefabricated Inverset concrete deck panels for travel lanes 3, 4 & 5 along the Causeway, West Deck Truss and Main Span of the Tappan Zee Bridge. Other work includes Class "A" containment and bridge painting of the Main Span substructure, replacement of the Causeway bridge joints and bearings, replacing the existing concrete moveable barrier system with steel units, installation of ITS and electrical systems. Project required extensive maintenance and protection of traffic utilizing the moveable barrier system during night time panel installation. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

2006-2010

Office Engineer - Tappan Zee Bridge Rehabilitation TZB 1 (TANY 05-31B) - Superstructure Replacement of the TZ Bridge for NYSTA ($176M). Project consisted of removal of existing deck slabs and stringers for installation of new prefabricated Inverset concrete deck panels including ESB fascia barrier system for travel lanes 1, 2, 6 & 7 of the N/B and S/B Tappan Zee Bridge. The Causeway portion consisted of (166) 50' spans including bearing replacement; West Deck Truss consisted of (35) 50' spans including modular joint installation at piers and Main Span consisted of (72) 35' spans including installation of new bearing seat assembly brackets fixed to web of existing floor beams. Other work includes substructure repairs of the concrete piers and replacing the existing bridge lighting system. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using

Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

2001-2006
Office Engineer - Interchange 8 (TANY 00-47) - Reconstruction of I-87/I-287 from Tappan Zee Bridge Toll Plaza to the Saw Mill River Parkway for NYSTA ($173M). Project involves construction of 4 new bridges, reconstruction of 5 existing bridges and rehabilitation of 2 existing bridges; installation of precast pavement panels at toll plaza; construction of modular retaining walls, concrete post and panel noise barrier walls and extensive pile driving, rock sockets and rock blasting. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

1998-2001
Office Engineer - Tappan Zee Bridge Rehabilitation (TANY 97-32B) - Deck Replacement and Rehabilitation, Joint Replacement and Rail Upgrade ($36M). Project consists of removal of existing deck slabs for installation of new Exodermic deck panels with Polycarb overlay, repair of the joint system and upgrade of the existing bridge rail along the East Deck Truss spans of the TZ Bridge. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

1996-1998
Assistant Office Engineer - Tappan Zee Bridge Rehabilitation (TANY 96-1B) - Center Lane Deck Replacement ($26M). Project includes replacement of center lane deck panels and stringers from the Nyack Abutment to Bent 81 of the TZ Bridge. Performed deck rehabilitation for the remaining lanes by strip, repair, seal, and overlay (SRSO). Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items.

Tiwanda Randolph

Contract Management Specialist

EDUCATION

University of Phoenix, Current Student. Major: Business Administration
Virginia State University, Petersburg, VA, 1992
H&R Block Tax School, Voorhees, NJ, 1995

COMPUTER SKILLS

Proficient in Microsoft Word, Excel, Access, PowerPoint, Outlook, **Primavera Contract Management (Expedition)**, Livelink, Wintrak, and Prolog

RELEVANT EXPERIENCE

2009-Present

Office Engineer - PATH, Journal Square Transportation Management Center for the Port Authority of New York and New Jersey. Currently assigned to various Security contracts, specific duties and responsibilities include:

- Working on 2 security projects combined worth of $232 million
- Contact all field offices to receive close-out documents for 2 out 3 security projects
- Prepare and distribute monthly close-out status report
- Prepare and enter time sensitive RFI information through **Contract Management (Expedition)** software
- Review all payment requisitions for payment
- Work closely with contractor to go over necessary paperwork needed
- Reconcile and process payments; making entries in Wintrak and SAP
- Coordinate with audit department to have proper audits conducted
- Work closely with Security Project Management Division to ensure the proper charge codes are funded
- Working on Stage I preparation of the close-out for contract that is close to closing out
- Provide paperwork and information to the OEM's office for contracts under grant supervision
- Attend security meetings
- Work closely with the main office and the EOC's office
- Prepare and track audit reports of Security Contracts
- Prepare and track in-house Consultant overtime reports.
- Prepare and finalize Contractor Payment Application/Requisitions.
- Prepare and enter time sensitive information into Wintrak and SAP software
- Prepare and enter PACC's, Change Orders of Contracts

1999-2009

Assistant Office Engineer - Port Authority of NY & NJ, Port Newark, NJ – Provided a variety of administrative duties and responsibilities which included:

- Typing of correspondence and reports using PC applications
- Scheduling/coordinating meetings and maintaining calendars
- Use of **Contract Management (Expedition)** for Payment Processing/tracking
- Back-up for inputting Payroll/Timekeeping through PeopleSoft

- Handling and screening mail and telephone calls
- Troubleshooting of hardware and software
- Preparing new contract files and pre-con meetings (EP 384.063 & PN 924.565)
- Preparing & verifying Subcontractor Approval forms and submitting for signature to the appropriate department (Risk & Insurance) (EP 384.053, EP 384.057)
- Prepared, reviewed and sent correspondence on MBE/WBE/DBE performance percentages (EP 384.059, EP 354.038, MFP 954.911, EP 384.060, MFP 944.901 & EP 384.057)

1998-1999
Administrative Assistant – Law Offices of Lenard A. Cohen & Kenneth J. Lees, Esq., Philadelphia, PA – Duties & Responsibilities included:

- Resolve and delegate client conflict
- Responsible for start-up package of client files
- Setting client appointments, i.e. Depositions and Arbitration's
- Reconciliation of medical bills through PIP/Claim Adjusters

1990-1994
Settlement Coordinator – Credit Lenders Title Agency, Voorhees, NJ – Duties & Responsibilities included:

- Preparation of settlement documents
- Processing load applications
- Researched public/private records
- Credit Investigator
- Managed independent title agents

1996-1998
Premium Processing Technician - Commonwealth Mortgage Assurance Corporation, Philadelphia, PA – Duties & Responsibilities included:

- Daily reconciliation and deposit of daily accounts
- Account assessment and determination of reimbursements
- Customer/Account conflict resolution and problem solving
- Frequent communications with branch offices/lenders nationwide
- Generate and review weekly/monthly reports to department managers

1994-1996
Shift Manager – Hampton Inn Hotel, Mt. Laurel, NJ – Duties & Responsibilities included:

- Resolve guest conflicts and account resolutions
- Balance and account for shift revenues
- Filled in the absence of Customer Service Representatives

Joyce Rosado-Zavala

Contract Administrator

COMPUTER LITERACY

Primavera Expedition (Contract Manager), Microsoft Office, Excel, PowerPoint, Publisher, Access

CERTIFICATIONS

Primavera Expedition (Contract Manager)
10 Hour OSHA
Construction Document Review

RELEVANT EXPERIENCE

Ms. Rosado has been working at Savin for more than 14 years. Being our Long Island Office Manager for several years, Ms. Rosado was in charge of all daily office operations providing clerical and accounting for our Long Island based Project Executives and Field Supervisors.

Ms. Rosado has provided Project Administration services to the following clients:

- North Shore Central School District
- Miller Place Union Free School District
- Malverne Union Free School District
- Long Beach City School District
- East Quogue Union Free School District
- Hempstead Union Free School District
- Roosevelt Union Free School District
- Rocky Point Union Free School District
- Mineola Union Free School District
- Port Jefferson Union Free School District
- Comsewogue Union Free School District
- Manhasset Union Free School District
- Great Neck Public Schools
- Montauk Union Free School District
- Freeport Union Free School District
- Amityville Public Library
- Freeport Memorial Library
- Wyandanch Public Library

Before joining Savin, Ms. Rosado was Administrative Assistant for Actuarial and Technical Solutions, Inc., where her office administration skills included preparation of professional presentations including layout, and design. She has also served as member of the support staff for the State Education Department, where she handled confidential records, participated in student board meetings as translator, and assisted in the enrollment of special education students.

Nusreta Radoncic

Sr. Contract Administrator

SOFTWARE PROFICIENCY

Microsoft Excel, Word, Access, Primavera Contract Manager (Formerly Expedition) and Microsoft Project

RELEVANT EXPERIENCE

2001-Present

Fountain Ave. Landfill – Responsible for all administrative functions of Owner's engineering and construction management field staff for $159 million Inactive Hazardous Waste Site Landfill closure.

Prepare and control all contract documents including payment requisition, change orders, field memos, meeting minutes, periodic progress reports, client directives, all correspondence and transmittals; assist in procedure for subcontractors approvals; prepare clients detailed payment reimbursable thru Environmental Quality Bond Act (EQBA) and oversee EQBA contract cost control; manage Local Area Network (LAN) and electronic project files; and general office manager.

1998-2001

Handled all administrative functions for 12-person field staff, including: Data entry using Microsoft Excel Spreadsheet and Access; document control and filing; assisted in preparation of project monthly reports for the client and project monthly financial status reports for the company; prepare the monthly invoices for two clients including labor cost, direct expenditures and professional services (subconsultant cost); data entry of information to prepare change orders, evaluation of contractors payment requisitions, estimates, and minutes of meeting; trained to use expedition as a document control tool and also maintained files for the Accounts Payable and Receivable and followed up on payments of these accounts.

1997-1998

Accounts/Bookkeeping Office – handled all administrative functions to include: Data entry, bookkeeping and filing, processing of payments and interfacing with clients.

1992-1997

K&S Construction Company – Assisted the owner in the management of this small business by maintaining accounts, preparing of cost estimates and interfacing with clients.

Darlene Coitino

Contract Specialist

EDUCATION

B.A. - Business Administration, Berkley College, NY

CERTIFICATION

OSHA Outreach 10 Hour

COMPUTER SKILLS

Contract Manager Version 13, Primavera (Project Schedule), Microsoft Word 2007, Excel 2007, Outlook 2007, Power Point 2007, Project, Publisher, InDesign

SKILLS

Type 60 wpm, Bilingual: English/Spanish

EXPERIENCE

Ms. Coitino is a skilled and dedicated Project Engineer who provides project support to Project Executives, Project Managers and Junior Staff members. She assists with meeting minutes and all correspondence such as letters and transmittals. Ms. Coitino monitors project finances for up to date reporting. This includes tracking RFI's, submittals, financial/change orders. Additionally, she monitors all insurance, general requirements, and closeout documents.

Savin Engineers, P.C., Pleasantville, NY **2001 - Present**
Sr. Project Administrator/Office/Project Engineer

New York State Office of General Services
Troop F Headquarters Addition & Renovations and Field Investigation Unit Bldg. (FIU)
Project/Office Engineer for review of submittals, RFI's, track and maintain logs, update team members, send notifications to all parties involved. Some responsibilities include:

- Document control coordination
- Project schedule maintenance
- On-site LEED coordinator
- Job Meeting coordinator
- Review and process contractor's requisition for payment
- Track and maintain project field and change orders
- Monitor all insurance, general requirements, and close-out documents
- Implemented monthly newsletters, which provides the client with update project progress
- Generate cost worksheets utilizing the "Cost Works" program

Port Authority of NY & NJ (PANYNJ) - Contract Manager Specialist (Expedition)
TB&T Various Projects

- Review & knowledge of Project Specifications related to submittals for each project.
- Attend Pre-construction meetings to advise the Contractor of PANYNJ's proper submittal process and numbering system.
- Track, log and maintain project submittals in Contract Manager.
- Generation of Contract Manager reports (submittal log) related to submittals.
- Handling of electronic submittals utilizing "**Livelink**".
- Track project substantial completion to expedite project archiving related to files as well as in Contract Manager.
- Organize and maintain an efficient submittal filing system.
- Utilizing WinTrak to vie project updates as it pertains to schedule, budget etc.

Office Engineer
Provided a wide variety of project administrative support to clients as well as the firms Project Associate. Worked on multiple projects simultaneously from project start-up until project completion.

Relevant Projects:
Norwood Jackson Facility, Valhalla - $50 million dollar project
Richard J. Daronco Courthouse, White Plains, NY - $120 million dollar project
Hyde Park Central School District, Hyde Park, NY - $15 million dollar project
Yonkers Central School District, Yonkers, NY - $7 million dollar project

- Generation of Contract Manager Reports. (Issues, Cost Worksheets).
- Logged, tracked and maintained **shop drawings**, certificate of insurance, daily reports and **"Request for Information"** (RFI)'s utilizing "Expedition".
- Review and process all applications for payment and **change orders**.
- Meticulous review of the financial reporting to insure the utmost accuracy of the projects' accounts.
- Set up new projects with cost codes in "Expedition".
- With the use of Primavera Contract Manager tracking software, **monitor project finances** for up to date reporting. This includes tracking issues, submittals, financials, change orders, and potential change orders. Additionally, she monitors all insurance, general requirements, and closeout documents via internet.
- Word Processing: generated letters, memos, faxes, agendas, and various excel spreadsheet. Weekly meeting minutes, project budget, change orders and Contractors requisition for payment where created, tracked and maintained utilizing "Expedition".
- Editing: proof read, formatted, edited correspondence generated by all personnel to company standards.
- Project Schedules - Utilized (Primavera) to create and maintain on a bi-weekly basis or as required by the Project Manager and Owner/Client the projects schedule. This helped in tracking the projects milestones and project completion.
- Implemented the creation of monthly Project Executive Reports.
- Generated "ManPower" reports to provide the Owner with the amount of Contractor personnel working each day. The information was useful in tracking the individuals' working day to day, and maintain the project milestones tracked in the schedule.
- Prepares preliminary and final SED forms.
- Implementing procedures for document control and **maintaining all project documents** from the start of construction through closeout of the final construction contracts.
- Review of contractor requirements including bonds and insurance through project close-out requirements such as releases of liens, **As-Builts** and certificate of substantial completion.
- Accounting: **tracked project budget**, maintained excel spreadsheets in order to track contractor's change orders against their original contract budget, and entered the pertinent information in "Expedition". This tracking process provided the Project Manager and Owner the financial status of the project on a bi-weekly basis to avoid going over budget on the project.

Ms. Coitino also provided administrative services for the Westchester County CAFM (Computer Aided Facility Management) project. The custom-designed CAFM system provided a comprehensive database for easy maintenance and update of valuable building data for the County of Westchester.

Ms. Coitino assisted in the production of Building Condition Surveys for various school districts including:

- Syracuse City School District
- Mineola Union Free School District
- Greenburgh Graham Union Free School District
- Pocantico Hills Central School District
- Hyde Park Central School District

Lourdes James

Contract Administrator

EDUCATION

Plaza Business Institute

COMPUTER SKILLS

Port Authority SAP system, Microsoft Word, Excel, PowerPoint

RELEVANT EXPERIENCE

2007-Present

Administrative Assistant – Stewart International Airport for the Port Authority of New York and New Jersey – Assisted the Terminal/Landside Operations General Manager. Used good organization, typing, data entry skills on a daily basis, as well as other office clerical duties and administrative procedures. Responsible for providing airline data to the rest of company, by collecting all the data and formulating accurate timely monthly reports. Assist client needs regarding statistical data collection at all times.

Ensured airport standards for quality and customer service as it relates to the terminal services and upheld documents on daily housekeeping reports and subsequent follow up inspections. Maintained records of problems reported by customers and tenants, and reports that information to the appropriate areas for correction. Assisted in the coordination of events and promotions at the airport such as fund raising, VIP ceremonies, conferences, commercials and any other function where terminal space is required. Ensured all needs and security requirements. Responding to feedback on web site/pages, and worked with clients to make appropriate changes also updating public information programs to address passenger's needs. Performing related duties including tracking MWDBE utilization.

Responsible for recording, producing and distributing daily, weekly, monthly and yearly airport traffic statistics. Assist the General Manager of the Department with basic administrative duties including filing, travel arrangements, maintaining expense reports and daily schedules.

2006-2007

Marketing Assistant – Assisted the General Manager of Marketing – Responsible for supporting management in conceptualizing a strategic marketing program which includes air service development, public relations, community awareness programs, website development/maintenance, media placement and management.

Prepare and coordinate distribution of news clips on a daily basis. Assist in initiating various morale building steps within the company – monthly newsletters, monthly "all hands" meetings, picnics, awards and distinctions program, employee birthdays, company holiday parties, employee farewells, etc. Responsible for recording, producing and distributing daily, weekly, monthly and yearly airport traffic statistics. Assist the General Manager of the Department with basic administrative duties including filing,

travel arrangements, maintaining expense reports and daily schedules. Produce and maintain accurate accounts payable documents for payment on a daily basis. Communicate effectively with company management and co-workers, airline management at transportation services, state police and TSA. Check and respond to daily emails.

Key liaison in developing, producing and maintaining accurate information on the airport's printed material covering cargo, air service schedules and diversionary operations. Create, organize and maintain selective databases for accurate distribution of marketing materials aimed specifically at travel agents, media, cargo companies, tenants, community leaders and regional business. Maintain an inventory control program aimed at effectively distributing and managing printed material. Supervise all interns and volunteers in the Marketing Department. Oversee the decorating of the main terminal at Christmas.

Assist management in creating and launching campaigns in the Hudson Valley Region for the new airline entrants from an advertising, public relations and customer service perspective. Support management in organizing and placing of all national and local trade advertising. Assist in launching community outreach programs positioning the airport as the "friendly alternative" to the major New York metropolitan airports. Support the key airport spokesperson on all issues related to airport emergencies and information distribution to the media. Prepared and participate in an Airport Emergency/Crisis situation. Facilitated management in researching and collecting information for writing and broadcasting press releases through all mediums. Key representative to several business related trade shows, exhibitions, business functions, press conferences, community and company social events (Orange County Chamber yearly Expo), travel shows, as well as other Travel & Business Expo throughout Hudson Valley. Attend strategic group meeting within the local business community in the absence of the General Manager.

Coordinate and maintain contracts for airport terminal art displays and photo shoots for commercials and television shows. Collect, maintain and produce graphs and statistical reports on regional demographics for air service and cargo development efforts. Create and maintain a filing system for photos and negatives that could be accessed easily for all future ad campaigns. Assist in the coordination of special activities at the Airport such as the Y3 Kids Program. Create, produce and maintain an airport informational guide book for employee's assistance. Shop for Airport supplies such as for the kitchen, employee birthday certificates, cards, supplies for trade shows. Maintain the Airport's trade shows equipment: booth and supplies. Organize and prepare for press conferences. Take photos for the airport when called upon.

Deidre Dennis

Senior Contract Administrator/Contract Manager

EDUCATION

Associates Degree, Fashion Buying and Merchandising, Fashion Institute of Technology, 1985
Liberal Arts Major, Morgan State University, 1977-1979
Certificate in Construction Project Management, Pace University, 2009 (continuous)

COMPUTER SKILLS

Proficient in Microsoft Word, Excel, Access, PowerPoint, Outlook, Expedition, Livelink , Wintrak,and Prolog

RELEVANT EXPERIENCE

2008-Present
Contract Administrator – PATH, Journal Square Transportation Management Center for the Port Authority of New York and New Jersey. Responsible for facilitating the Contract close-out process for all PATH/TAA projects. Prepare and request all Certificates of Occupancy. Maintain weekly materials installation and project delay logs. Validate Subcontractor Approval Requests. Perform desk audits for net cost work. Process and track RFI's, and submittals for Security projects. Distribute weekly schedules and approved submittals to the Engineering Staff. Provide administrative support to the Resident Engineer and Assistant Resident Engineers as needed.

2006-2007
Project Administrator – Toll Brothers, Long Island City, NY - 48th Avenue/Queens West Project $40M Project. Primary responsibilities included the set-up and management of the home office. Developed and maintained procedural and administrative protocols. Processed and tracked RFI's and submittals. Assembled, and distributed bid packages. Prepared shop drawings and specifications listings. Created and maintained RFI, submittal, permit and contract status logs. Provided administrative support to the President as needed.

2005-2006
Project Planner for NYC Transit Authority – Responsible for the development and distribution of weekly contractor activity schedules. Prepared and issued monthly flagging utilization reports. Coordinated tier services for daily work crews. Formulated actual TA labor charge reports.

1990-2003
Project Administrator – Bronx Criminal Courthouse Project, Bronx, NY – $ 580M Project – Established and managed field office. Purchased equipment, furniture, fixtures and supplies through competitive bidding. Developed and maintained office procedures and filing systems. Designed and maintained security database. Coordinated staff meeting schedules and planned conferences. Prepared and distributed job meeting minutes. Supervised administrative staff.

Assistant Project Manager – Battery Park City Authority- PS 89, NYC/ Smithsonian Cooper Hewitt Museum – Procured $ 3M worth of furniture, fixtures, equipment and supplies. Created and maintained all project related databases. Processed scope changes, change orders, and RFI's. Prepared Owner's meeting minutes and monthly reports.

Deidre Dennis

Office Manager/ Project Secretary – HPD Bronx, Early Childhood Centers 1, 2, & 3 - Executed monthly requisitions for 35 contractors. Administered the Equal Employment Opportunity program. Prepared monthly report for the Client. Designed and maintained RFI's, change order, and shop drawing databases. Supervised administrative staff. Provided administrative support to the Project Executive and Team as required.

Stuart F. Schiller, CSI, CDT

Sr. Scheduler

EDUCATION

S.U.N.Y. College of Environmental Science in association with Syracuse University
B.S., Construction Engineering

PROFESSIONAL AFFILIATIONS

Construction Document Technologist, Construction Specifications Institute

RELEVANT EXPERIENCE

Mr. Schiller is responsible to the Owner for providing project scheduling, phasing plans and construction claims analysis.

Project scheduling services includes creating master project schedules, critical-path-method (CPM) construction schedules and progress updates for comparison to the baseline. Narrative reports accompany the schedules to better communicate the information provided by the scheduling software, Primavera P6. The reports generally provide the status of project milestones, issues encountered that will affect the schedule, changes made to logic, added/deleted activities, lookaheads and other data requested by the Owner. When required, recovery schedules are created to reduce or eliminate delays.

Scheduling services are also provided to review and prepare analysis of construction schedules submitted by others. Mr. Schiller will import the Primavera P6 files to provide a report of the schedule completeness, activity logic, critical path and conformance to contract requirements. The progress schedule updates are also analyzed to determine if the forecast milestone dates are reasonable and the progress of work is substantiated.

Phasing plans are provided to graphically depict the sequence of work areas or scope, either for public presentation, as part of bid package or during construction.

Construction claims analysis typically involves a project delay and the associated cost of delay, submitted by contractor(s), consultant(s) or the Owner. Using schedule files submitted during the course of the work, daily field reports, change order documentation and other project reports, the project history is reconstructed tracing the source of the delays and the legitimacy of the claim. The cost of such delay, if any, is calculated based on one or more methods, depending on the nature of the claim.

Mr. Schiller has over 24 years of experience providing construction cost estimating, scheduling, project management and claims analysis for multi-phase, multi-site and multi-contractor projects up to $282 million. He is proficient in Microsoft Project, Primavera Contract Manager, Building Information Modeling (BIM) and many cost estimating and graphics software. Some relevant project experience includes:

State University of New York at Binghamton, Rehabilitate Domestic Water Distribution System, Binghamton, NY. Prepared CPM construction schedule, progress updates and recovery schedule including narrative reports using Primavera P6 for campus-wide water system upgrade including water main, pump stations, water tanks and related construction.

Wake Tech Community College Health Sciences Building, Charlotte, NC. Performed analysis of contractor delay claim involving multiple delays and concurrent delays based on the default of a subcontractor.

Levine Cancer Institute, Charlotte, NC. Performed analysis of contractor delay claim involving multiple delays and concurrent delays based on the default of a subcontractor.

Port Authority of New York and New Jersey – Construction Claim Analysis for Newark International Airport Terminal B Modernization Electrical Upgrades, Lobby B-1 and Vertical Circulation Project, Newark, NJ. Under term contract agreement, performed analysis of $6 million contractor delay claim involving multiple delays, concurrent delays and change order analysis for the $53 million rehabilitation and renovation.

Port Authority of New York and New Jersey – Schedule Analysis of Howland Hook Marine Terminal Open Area Paving and Utilities Project, Staten Island, NY. Analysis of baseline schedule submitted by Contractor to determine if proper activities were included and completion dates achievable. Analysis of 'as-built' schedule for delays and inefficiencies.

New York State Office of General Services. Performed scheduling services for construction management term agreement. Projects include new Firing Range at Fishkill Correctional Facility in Fishkill, NY and New York State Police Troop "F" Headquarters Addition, Renovation and new FIU Building in Middletown, NY.

Queens Midtown Tunnel Rehabilitation, New York, NY. Performed concurrent delay analysis of a claim submitted by the contractor. Using Primavera Project Planner and on-site submittal logs forecasted different scenarios and determined the validity of delays. Responsibilities also included report preparation outlining the scenarios and making recommendations on resolving claims.

Roosevelt UFSD - $170 million District Wide Replacements and Improvements.
North Shore UFSD - $30 million district-wide renovations and additions
Miller Place UFSD - $10.8 million district-wide infrastructure improvements
Rocky Point PS - $28.5 million annual capital project plans

Aladin Accilien

Cost Estimating/Scheduling

EDUCATION

B.S. in Engineering Technology & Construction Mgmt – CUNY Farmingdale, Pending
United States Air Force Technical Engineering School
Computer Aided Drafting in 2D and 3D mechanical
Architectural drawings, electrical and plumbing and mechanical details, land surveying
Certification in Environmental awareness and quality air awareness

PROFESSIONAL ORGANIZATIONS

Association Advancement Cost Engineering International – Member since 2005
Construction Specification Institute – Member since 2004
Construction Management Association of America – Member since 2004

CERTIFICATIONS

ArcView GIS, AutoCAD 2009
AutoCAD Land Development Desktop
10-Hour OSHA Outreach Seminar

RELEVANT EXPERIENCE

Mr. Accilien is a Construction Manager for Savin. He has over ten years of construction experience. Mr. Accilien's experience at Savin includes:

- Roosevelt UFSD – Document control and logistics plans for district wide replacements and improvements. Construction manager and assistance to Project Executive.
- North Shore CSD, Sea Cliff, NY – Roof replacement at North Shore High School.
- Freeport UFSD - District wide additions and renovations.

Prior to joining Savin, Mr. Accilien's experience includes:

Savin Engineers, P.C., Pleasantville, New York – On-call, Seasonal Field Technician.

Lund Fire Products, Inc., Bayside, New York 2002 – 2003 On-call/Part-time Draftsman Drafter assisted in the design of fire suppression systems for commercial and residential kitchen.

Barrett, Bonacci & Van Weele, P.C., Hauppauge, New York 2001 – 2002 Surveyor Technician / Draftsman Drafter creating tile, topographic, preliminary, title, boundary surveys and Instrument Operator.

F.E. Warren Air Force Base, Cheyenne, Wyoming 1998 – 2001 Civil Engineer Assistant Civil Engineer Assistant, plan and execute general land surveys, creating drawing for various projects, reviewing submittals, construction inspections and assisting squadron engineers.

Robert Dean Sproch

Scheduler

EDUCATION

College of DuPage, Glen Ellyn, Illinois

COMPUTER SKILLS

SAP, Word, Excel, Access, Power Point, Expedition, Microsoft Project, P6, FoxPro and Lotus Notes

RELEVANT EXPERIENCE

Mr. Sproch is a disciplined self-starter who works well in a structured environment. He has practical experience in a variety of construction disciplines and enjoys working in the field of construction from the conceptual stage in creating a schedule through the construction phase in comparing the actual construction to the approved schedule.

His experience in understanding the critical path of construction systems does well in transferring the information to the software of choice by the Owner. The Microsoft Project software is often accepted as a project schedule which includes the tasks of the Owner, architect, construction manager and consultants for the pre-construction phase and construction durations with milestone dates for the construction period.

His experience with the P6 software is has proven successful in tracking the detailed tasks during construction. Useful to both the Owner and consultants in keeping the project on track, it also provides a sure way of protecting the Owner in the event the contractor fails to meet the schedule.

Mr. Sproch has provided scheduling services for the following:

- Westchester Medical Center
- Sound Shore & Mt Vernon Hospital
- Town of Stratford, CT
- West Haven, CT
- Richmond Library, Marlborough, CT
- Town of New Canaan, CT
- Eldred Central School District, NY
- Greenwich Public Schools, CT
- Pelham Union Free School District, NY
- Nassau Community College, NY
- Pocantico Hills Central School District, NY

Prior to joining Savin, Mr. Sproch's experience includes:

Managed architectural trade crews and support departments for a 27-building, 1.9 million s.f. educational complex. Represented Owner in weekly meetings regarding personnel and housing needs in order to meet established schedules. Provided comments at meetings for all construction disciplines to review each week's construction progress, the release/review of building plans, and adjustments needed in the construction schedule. Produced weekly agenda and meeting minutes.

Established personnel load levels to meet construction schedule as well as ancillary departments. Monitored staffing needs and recruited eligible part-time and full-time workers. Reviewed applications and expedited necessary paperwork for new personnel in all areas.

Robert J. Kalpin

Estimator

EDUCATION

B.A. – New York Institute of Technology, Old Westbury, NY, 1978.

COMPUTER LITERACY

Word, Excel, & AutoCAD

RELEVANT EXPERIENCE

Mr. Kalpin will be the lead person in charge of preparation of estimating and scheduling for your project. Mr. Kalpin's role will include the following responsibilities during pre-construction and construction phases:

- Prepare construction cost estimates (Schematic, Design Development, Construction Documents) by architectural takeoffs and utilizing Timberline Estimating.
- Prepare estimate reports.
- Recommend bid packages.
- Recommend alternates to bid.
- Cross-check contract documents to ensure completeness and accuracy.
- Review general conditions and requirements and suggest changes to protect the Owner.

Mr. Kalpin has over 30 years of experience on a broad range of projects. His current scheduling, estimating and construction management experience at Savin includes:

- Pelham UFSD - $24 million capital projects include upgrades and renovations to High School, electrical service upgrades at 4 elementary schools, roof repairs and replacements at the High School and Siwanoy Elementary School.
- Yonkers Public Schools – $7 million – renovation in 2007 & $16 million – renovation in 2008.
- Pocantico Central School District – $26 million infrastructure; renovations.
- North Shore Central School District – School Additions
- Port Jervis CSD - $16 million renovations and reconstruction
- Tuckahoe UFSD – $13.6 million – new three story addition to the high school & renovations to the elementary school

Architectural Project Manager/Construction Contract Administrator - Monitoring of Public School construction projects from bid award to final closeout; owner meetings for review of capital and bond projects, and SED approvals, review of Contract Documents for constructability and MEP coordination. Coordination and tracking of submissions, permits, and testing inspections. Construction inspection for quality control and schedule conformance. Analysis of contractor payment applications and change order proposals. Inspection of completed projects and preparation of final punch lists. Some of the projects include:

- Eastport – South Manor Secondary School, Eastport, NY; new 350,000 square foot High School and various other school building projects.

Architectural Project Manager - Development of Construction Contract Documents from conceptual design and Owner's program, review for building code and SED requirements and construction cost estimating. Inspections for quality control, construction progress, and review of payment applications and change order proposals.

Assistant Project Manager –Field inspection, schedule coordination and detailing of high-rise curtain wall installations. Projects include: Barney's, NY, 660 Madison Avenue, NYC; and Foley Square Courthouse, Foley Square, NYC; New 30 story Federal Courthouse.

HVEA ENGINEERS

Christopher J. Sotanski
Senior Testing Technician

Mr. Sotanski has over 4 years experience in the testing of Construction Materials. He holds many certifications relevant to the field; most of his experience was working at PANYNJ on a term agreement for the Freedom Tower and JFK Runway Projects.

CERTIFICATIONS/ SPECIALIZED TRAINING

- ACI Aggregate Testing Technician – Level I
- ACI Concrete Field Testing Technician – Grade I
- ACI Concrete Lab Technician – Grade I
- ACI Concrete Strength Testing Technician
- ACI Concrete Special Inspector
- Certified Nuclear Density Testing Technician
- OSHA 10-Hour Safety Trained
- OSHA 40-Hour Hazwoper Certified
- NYS HMA Density Testing Inspector

EDUCATION

- **Grantham University**– Bachelors of Science, Engineering Management and Technology Expected May 2015

SELECTED PROJECT EXPERIENCE

- **MNR 26596, Fordham Station Improvements (2014 – present)**
  Mr. Sotanski is serving as senior testing technician on this project which includes on-site and laboratory testing of concrete, nuclear density testing of compacted fills, crosshole sonic logging of drilled shafts, and a variety of laboratory services.

- **PANYNJ, Goethals Bridge Replacement Project (2014 – present)**
  Mr. Sotanski is serving as senior testing technician on this project which includes on-site and laboratory testing of concrete, nuclear density testing of compacted fills, and a variety of laboratory services.

- **NYCDEP, Rondout-West Branch Tunnel Bypass Shafts, Contract BT1 (2013 – 2014)**
  Mr. Sotanski served as senior testing technician on this project – which included: Laboratory trial batching of concrete for mix design, including testing of aggregates (gradations, specific gravities, and sulfate soundness), fresh concrete tests following batching, compressive strength tests, shrinkage tests, and heat signature of concrete; Field testing of placed concrete, including casting cylinders for compressive strength and heat signature of concrete.

- **MNR 16394: Rock Slope Remediation, Pawling & Brewster, NY, Putnam County (2013 – present)**
  Mr. Sotanski is serving as senior testing technician for this project; work includes concrete field and lab testing, grout field and lab testing, bolt proof testing (pullout testing of rock anchor bolts).

- **FHWA, Liberty Island Emergency Docks Repairs (2013)**
  Mr. Sotanski served as senior testing technician on this project which included concrete field testing (slump, air, temp, unit weight, casting cylinders) and lab testing of concrete (compressive strength testing, coulomb testing)

- **Senior Testing Technician, D262100: Dingle Ridge Road, Brewster, NY, Putnam County – NYSDOT (2013)**
  Mr. Sotanski served as senior testing technician for this project. He assisted in the collection of field data for Crosshole Sonic Logging (CSL) of 8' diameter drilled shafts.

- **D262218, Route 134 Rehabilitation, Ossining, NY (2013)**
  Mr. Sotanski served as senior testing technician for the NYSDOT project which included nuclear density testing of asphalt for the three courses of asphalt (60 series pavement).

- **PANYNJ, SWF-164.021A, Stewart Airport (2013)**
  Mr. Sotanski served as senior testing technician on this project which included laboratory testing (gradation, modified proctor) of subbase material followed by on-site Nuclear Density Testing of subbase and asphalt materials.

HVEA ENGINEERS

Andrew J. Feldt
Supervising Lab Technician/Field Technician

Mr. Feldt has a broad range of experience in construction inspection, with a strong emphasis in construction materials testing. His projects have ranged from concrete and masonry to asphalt milling and paving. Mr. Feldt has worked on projects for the NYSDOT, USACE, and many municipal and private owners.

EDUCATION

- B.S. Civil Engineering, Stevens Institute of Technology – May 2006
- E.I.T, New York - 2013

CERTIFICATIONS/ SPECIALIZED TRAINING

- ACI Aggregate Testing Technician – Level I
- ACI Concrete Field Testing Technician – Grade I
- ACI Concrete Laboratory Testing Technician – Level I
- ACI Concrete Strength Testing Technician
- ACI Concrete Construction Special Inspector
- Certified Nuclear Density Testing Technician
- ICC Spray-applied Fireproofing Special Inspector
- ICC Structural Masonry Special Inspector
- NETTCP Soil & Aggregate Inspector
- NYS AGC HMA Density Testing Inspector
- OSHA 10-Hour Safety Trained

SELECTED PROJECT EXPERIENCE

- **Field Testing Technician, NYCDEP, Rondout-West Branch Tunnel Bypass Shafts (2013 – present)**
  Serves as a QA Concrete Field/Lab Tech for this project; work includes lab trail batching for concrete mix design. HVEA has completed trial batches for eight classes of concrete (four points per mix) in their laboratory; testing fresh concrete for unit weight, slump, air and temperature, casting cylinders, casting shrinkage bars; lab testing for compressive strength and shrinkage results. Once the mix was accepted and batching for field placement began, additional work is being performed; which included field testing of fresh concrete and heat signature of concrete, and lab testing for compressive strength.

- **Field Testing Technician: D262218, Route 134 Improvements, Ossining, NY**
  Mr. Feldt is served as a field testing technician (DTI) on this paving project. He was responsible for compaction testing by nuclear methods, coring operations of asphalt and generating reports.

- **Inspector, D262037, PIN 9067.39 – Route 17 (Future I86), Sullivan County line to Exit 106, Sullivan County - NYSDOT (2012-2013)**
  Served as a Level III Inspector for this project. Work includes asphalt milling and paving, and various safety improvements

- **Testing Engineer**, Atlantic Testing Laboratories (2010 – 2011)
  - Mr. Feldt served as a Supervisory Testing Engineer for Atlantic Testing Laboratories, in their Hudson Valley Region. In this role, he performed and supervised inspection efforts and a wide ranging testing program for several agency, municipal and private clients. Services included:
    - Embankment/subgrade preparation (including compaction)
    - Structural concrete formwork and reinforcing
    - Reinforced masonry construction
    - Concrete slabs and flatwork
    - Hot mix asphalt; both field and plant inspection

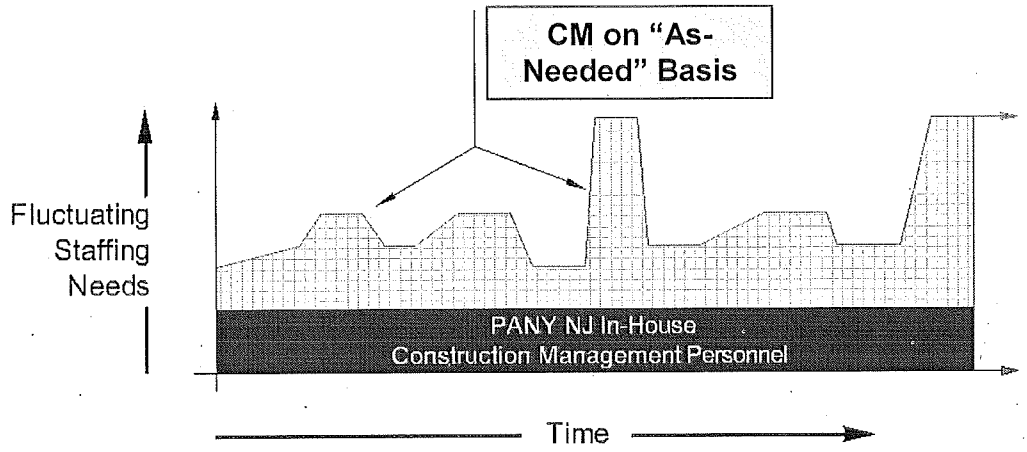
- **Technician**, Atlantic Testing Laboratories (2006 – 2009)
  - Mr. Feldt served as a field inspector/technician on a variety of construction projects for a broad range of agency and private owners. In this role, he reviewed project specifications, identified inspection responsibilities and protocols, established testing schedules and executed the inspection/certification plan.

Section C: Management and Technical Approach

Project Understanding

In order to supplement and support its in-house engineering and construction management staff on storm related resiliency capital projects, the Port Authority has developed professional construction management services on a "call-in" or as-needed type agreement. This means that if a Port Authority Engineer of Construction or Resident Engineer is in need of construction management staff, inspectors, administrators or cost estimators to augment in-house resources, he may request them under a "call-in" type agreement.

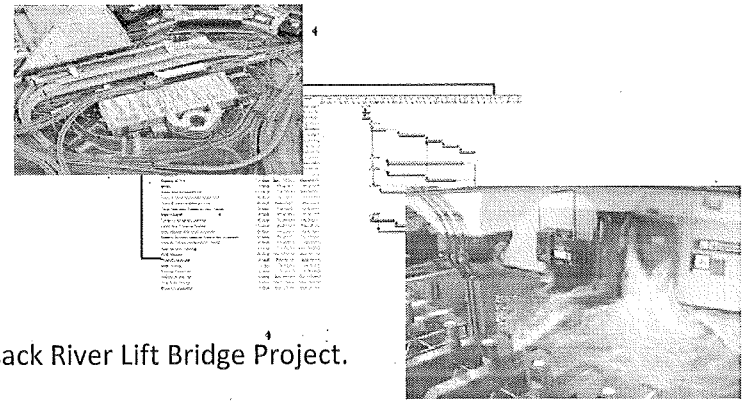
As delineated below, in order to be successful the consultant must have the ability to staff up (and down) to continually provide the Port Authority with access to the particular technical staff expertise it needs to help it efficiently and cost effectively manage the constantly changing project management workload.



For staff at Port Authority facilities, it is the consultant's role to provide the Port Authority with resumes of quality candidates, schedule interviews and set up the individual(s) at the respective site in as expeditious a manner as possible. It is also the consultant's role to ensure that field staff has the equipment and training required, that their direct rates are within the rates established in the contract, that they are monitored by the firm's Project Manager and that they adhere to Port Authority procedures.

For tasks performed at consultant offices or other specialty tasks such as scheduling or cost estimating, it is the role of the Consultant to assign staff to the task quickly, identify any additional information needed to perform the task and complete it proficiently. Savin has performed numerous such tasks for the Authority, as outlined below:

- Schedule Analysis of Howland Hook Marine Terminal Open Area Paving & Utilities Project.
- Cost estimating for the Jackson Avenue School near Teterboro Airport.
- Assistance with the Port Authority's "Lesson Learned Initiative" including reports for the following projects:
  - Lincoln Tunnel, LT-524
  - Red Garage, JFK-134.100B
  - Terminal B, EWR-434.070



- Claims assistance for the Hackensack River Lift Bridge Project.
- Assistance with Post Superstorm Sandy Cleanup at Exchange Place, Hoboken & World Trade Center PATH Stations.

Savins experience extends to nearly every facility operated by the Port Authority as shown in Figure 1.

Project Organization

Having provided professional services in connection with several "call-in" type projects, including for the Port Authority, we have learned how best to structure ourselves so as to meet the needs of the project and the Port Authority's expectations. We believe that it is important to have a single point of contact between the Authority and the Savin team. For this project, this individual will be Hussein M. Elzoghby, P.E.

With over 27 years of experience, Mr. Elzoghby has been the project manager for nearly all of Savin's "call-in" or "As-Needed" type projects and all projects for the Port Authority. He will receive all Authority requests for services and manage the Team's extensive and growing pool of construction management staff to provide the most suitable candidates for tasks requiring staffing. For other tasks such as constructability/bidability reviews, scheduling or estimating, he will identify the most suitable in-house staff member to perform the requested task in a timely fashion. He will follow up with the individual(s) requesting the task to ensure it was completed satisfactorily. He will be available to the Port Authority seven days a week, and 24 hours a day if necessary. In the event that he is out for an extended duration, a backup project manager will be designated. He has also been intimately involved in all of Savin's assignments including claims analyses, schedule analyses and the Authority's "Lessons Learned Initiative". The anticipated project organization designed to afford the Port Authority with maximum access to Savin resources is represented in the attached Figure 2. Attachment E outlines the proposed staffing plan further.

SAVIN ENGINEERS EXPERIENCE AT PORT AUTHORITY FACILITIES

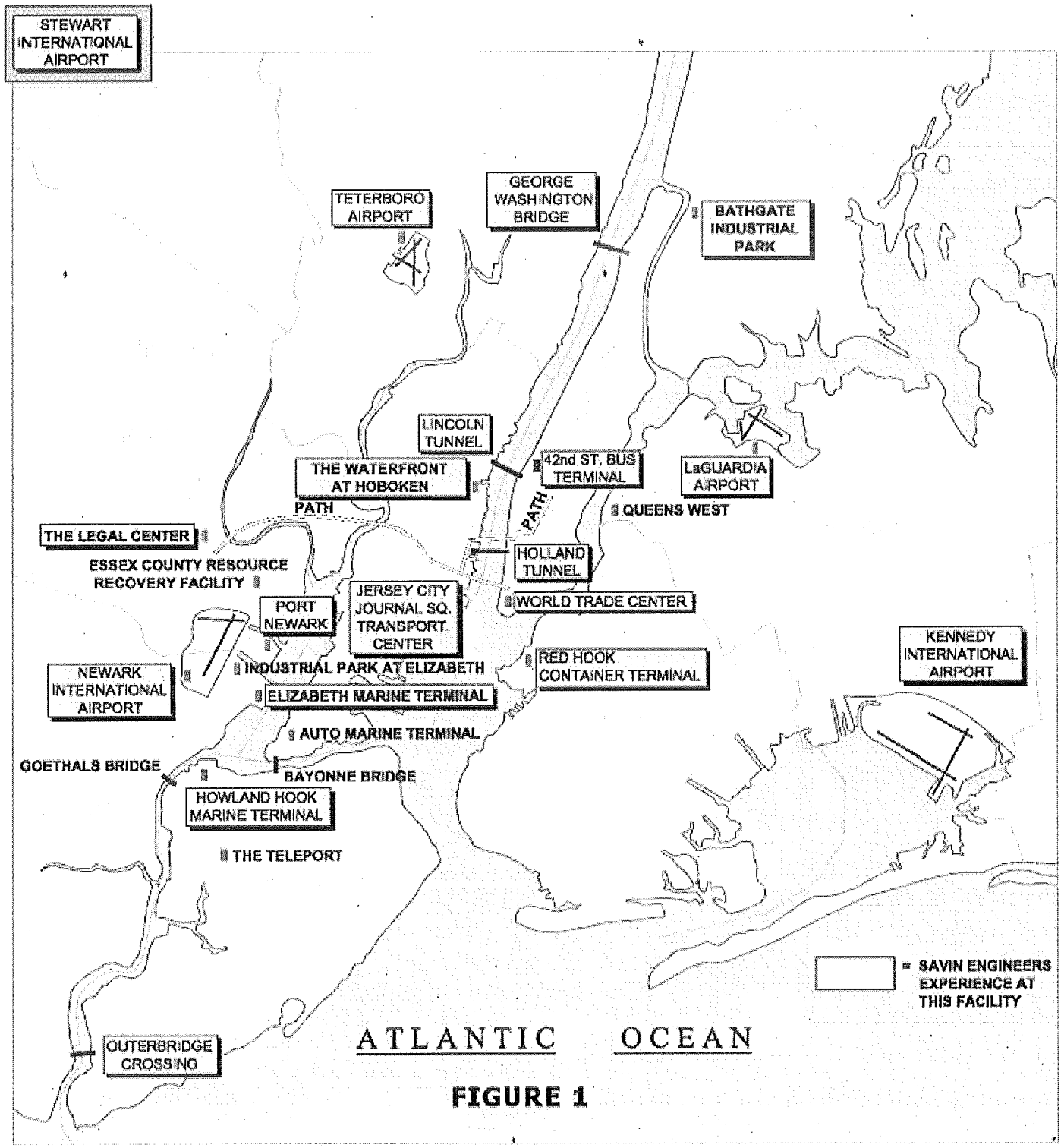
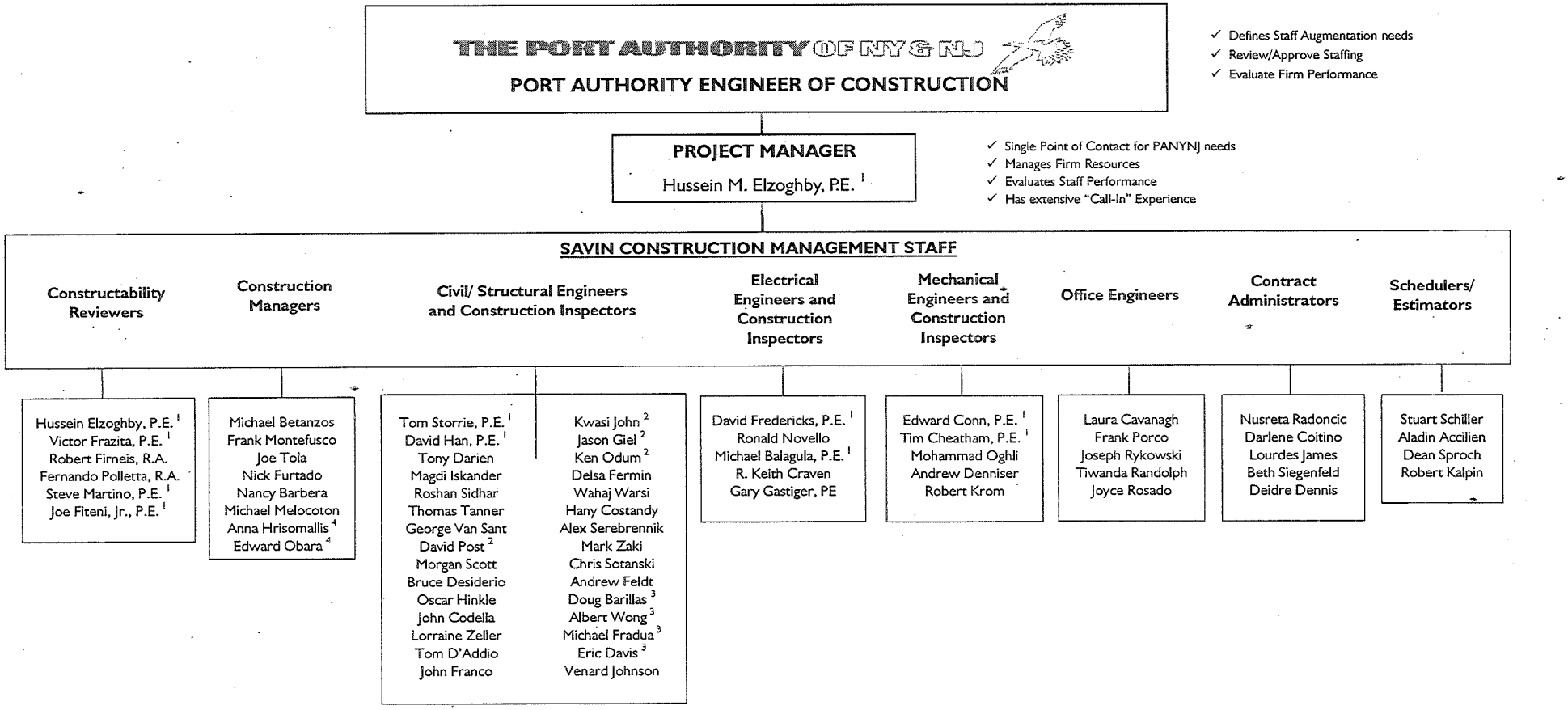


FIGURE 1

FIGURE 2

ORGANIZATION CHART



1 - Professional Engineer in NY or NJ
2 - ACI Concrete Construction Special Inspector
3 - ICC Certified as Structural Steel and Bolting Inspector
4 - NACE Level 1 Coating Certified

Savin Engineers, P.C.

Section C: Management and Technical Approach

Communication & Cooperation

During the construction phase of a project, communication will be maintained amongst the Authority Team through the following process:

a) After bids are received, the Designer and the Construction Manager will create a spreadsheet to facilitate a comprehensive analysis. Afterwards, the Authority will receive an advisory review. The Construction Manager, in conjunction with the Designer, will qualify Contractors, advise the Authority on award of contract, and issue letters of intent to provide to potential contractors. The Construction Manager, with the Designers input, will then prepare a list of anticipated submittals.

b) The Construction Manager, Designer and Authority Team will hold a kickoff meeting. The Construction Manager will review contractor information, bonds, insurance, financial statements and subsequently provide the Authority with the results.

c) The Construction Manager will organize the Contractors to utilize the same format for RFI's and submittal cover sheets. The Designer will be provided with a submittal schedule from each Prime Contractor, thereby allowing them to allocate time for his assigned project staff to review product submittals.

d) Meetings are held periodically with the Authority's Health and Safety Committee. Health and safety concerns that are related to the construction and methods for correcting the conditions are discussed. A follow-up on any open issues is provided at the next meeting. The Health and Safety Committee meetings are most often times held on a monthly basis.

e) On a weekly basis, the Construction Manager will provide the Designer with updated submittal and RFI logs, to coordinate efforts to keep all work moving progressively.

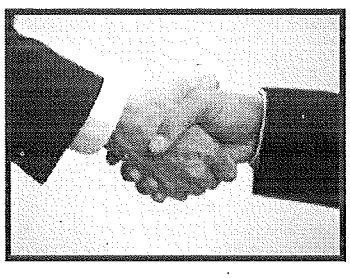
f) During the construction phase, the Construction Manager will provide the Authority with an Executive Summary. This publication will contain a construction update, RFI log, submittal log, daily reports, meeting minutes, and financials, challenges and project photography.

g) Meetings will be held with the Authority, Designer and Construction Manager, at the project site, to conduct an actual site walk through.

To ensure a "Spirit of Cooperation" among **Savin Engineers**, Designer and the Authority's Team during each phase of the project, **Savin Engineers** advocates the following Partnering Process for the Project.

I. <u>Establish Strategic Goals:</u>

1. Finish the project on time.
2. Produce a quality product.
3. Adhere to our code of conduct:
   Cooperation Communication Honesty & Integrity
   Safety Mutual Respect and Trust
4. Continue to implement the partnering process.



II. <u>Establish Owner's & Designers Expectations of the Contractor Team:</u>

1. Maintain schedule.
2. Anticipate problems; review documents, including specifications in advance; discuss differences as a team.
3. Provide a Safe Job
4. Continuity of Personnel (same staff each meeting).
5. Know and Understand Contract Requirements.
6. Provide the quality of work as designed and specified.
7. Communicate issues early, before they become major.
8. Provide adequate notice on request for inspections.
9. Prompt response to agree-upon punch list items.
10. Maintain on-going As-Built drawings per contract.
11. Provide projected work schedule at job meetings.
12. Mutual cooperation.
13. Timely submittal of shop drawings based on priority.
14. Early issue resolution.
15. Procurement schedule for critical items.
16. Minimize paper work.

III. <u>Establish Contractor's Expectations of Owner and Designer:</u>

1. Prompt payment.
2. Fast turnaround with FRI. questions, field issues.
3. Flexibility regarding good construction practices.
4. Rapid construction change directives.
5. Rapid turnaround of priority shop drawings.
6. Field Coordination
   a. Timely Inspection
   b. Timely Punch List
   c. Turnover
7. Identify when "clock" starts on substantial completion
8. Minimize paper work

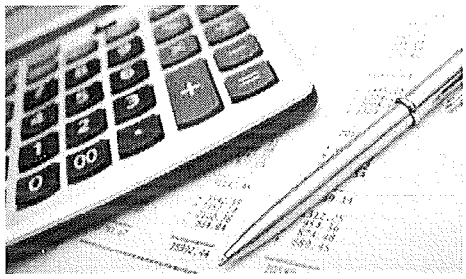
Scheduling & Minimizing Disruption

The CPM schedule not only keeps the project on track, but is a powerful tool in avoiding construction delays and, if necessary, in formulating a claim against a defaulting contractor. The schedule is established during the post bid phase and then is updated monthly during the following phases. Our scheduling is separated as a task by our scheduler who can be at the site monthly and then updates the schedule. This services as a check and balance against the activities in the field.

The steps we take include:

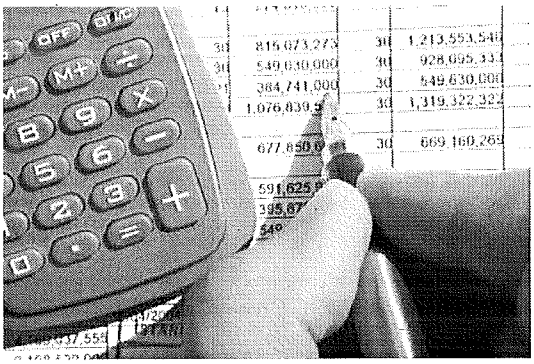
1. Creation of a master project schedule itemizing tasks and durations for all Team members. The draft schedule on the following pages is the first step in creating this schedule.
2. Report based upon our communication plan, adherence to the schedule.
3. Recommend pre-bind of materials is schedule is aggressive
4. Establish pre-bidder qualifications to be part of the specifications.
5. Solicit bids in multiple bid packages beyond the four Prime Contractors. Allowing for decreased costs by saving General Contractor overhead and profit.
6. Closely monitoring work in progress.
7. Implement quality control plan.
8. Secure all closeout documents.
9. Coordinate training of new equipment.
10. Maintain cost records and assist Yonkers in final reports.
11. Provide final project report.

Cost Estimating



The project's budget will be established by the Authority's team. It is important that the budget be maintained. This is achieved by monitoring the budget during the pre-construction and construction phases. The first tool of monitoring of the budget during the pre-construction phase is via cost estimating as described below.

The purpose of cost estimating is to provide the Owner with budget confirmation by monitoring construction cost trends to achieve highly competitive bids within the established budget. This is accomplished by:

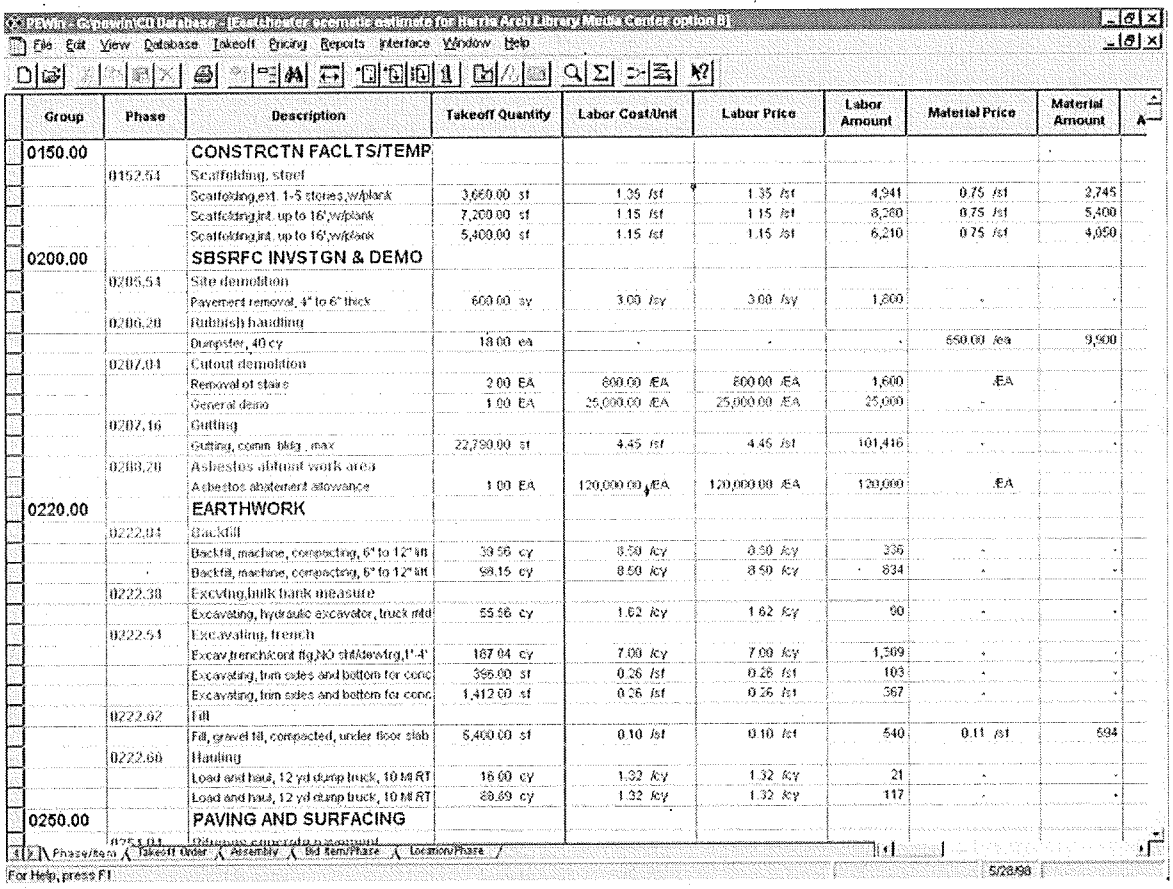


- Performing detailed takeoffs and pricing.
- Preparing estimate reports for Owner review.
- Recommending alternate bid packages and general condition changes, if needed, to protect the Owner.

Savin utilizes three cost estimating systems to obtain construction costs with a customized program database by WinEst (Win Estimator Inc):

- ***Means Database Software***
  - Means data, adjusted by region and updated periodically, is utilized to produce unit costs of typical and usual items.
- ***Savin Unit Costs Database***
  - Savin maintains unit costs from recently bid jobs and applies these in estimating projects of a similar nature and/or geographic location.
- ***Costs for Specialties***
  - Each project contains specialty items. Unit costs for such are obtained through contact with the manufacturer of the item and installers.

A sample of an estimate is shown below;



Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Price	Labor Amount	Material Price	Material Amount
0150.00		CONSTRCTN FACLTS/TEMP						
	0152.54	Scaffolding, steel						
		Scaffolding,ext. 1-5 stories,w/plank	3,660.00 sf	1.35 /sf	1.35 /sf	4,941	0.75 /sf	2,745
		Scaffolding,int. up to 16',w/plank	7,200.00 sf	1.15 /sf	1.15 /sf	8,280	0.75 /sf	5,400
		Scaffolding,int. up to 16',w/plank	5,400.00 sf	1.15 /sf	1.15 /sf	6,210	0.75 /sf	4,050
0200.00		SBSRFC INVSTGN & DEMO						
	0205.51	Site demolition						
		Pavement removal, 4" to 6" thick	600.00 sy	3.00 /sy	3.00 /sy	1,800	-	-
	0206.20	Rubbish handling						
		Dumpster, 40 cy	18.00 ea	-	-	-	550.00 /ea	9,900
	0207.01	Cutout demolition						
		Removal of stairs	2.00 EA	800.00 /EA	800.00 /EA	1,600	/EA	
		General demo	1.00 EA	25,000.00 /EA	25,000.00 /EA	25,000	-	-
	0207.16	Cutting						
		Cutting, comm. bldg., max	22,790.00 sf	4.45 /sf	4.45 /sf	101,416	-	-
	0208.20	Asbestos abtmnt work area						
		Asbestos abatement allowance	1.00 EA	120,000.00 /EA	120,000.00 /EA	120,000	/EA	
0220.00		EARTHWORK						
	0222.01	Backfill						
		Backfill, machine, compacting, 6" to 12" lift	39.56 cy	8.50 /cy	8.50 /cy	336	-	-
		Backfill, machine, compacting, 6" to 12" lift	98.15 cy	8.50 /cy	8.50 /cy	834	-	-
	0222.38	Excvtng,bulk bank measure						
		Excavating, hydraulic excavator, truck mtd	55.56 cy	1.62 /cy	1.62 /cy	90	-	-
	0222.54	Excavating, trench						
		Excav,trench,cont ftg,NO shld/swtrg,1'-4'	187.04 cy	7.00 /cy	7.00 /cy	1,309	-	-
		Excavating, trm sides and bottom for conc	395.00 sf	0.26 /sf	0.26 /sf	103	-	-
		Excavating, trm sides and bottom for conc	1,412.00 sf	0.26 /sf	0.26 /sf	367	-	-
	0222.62	Fill						
		Fill, gravel fill, compacted, under floor slab	5,400.00 sf	0.10 /sf	0.10 /sf	540	0.11 /sf	594
	0222.66	Hauling						
		Load and haul, 12 yd dump truck, 10 MI RT	16.00 cy	1.32 /cy	1.32 /cy	21	-	-
		Load and haul, 12 yd dump truck, 10 MI RT	88.89 cy	1.32 /cy	1.32 /cy	117	-	-
0250.00		PAVING AND SURFACING						
	0254.01	Concrete concrete pavement						

Phase/Item | Takeoff Order | Assembly | Bid Item/Phase | Location/Phase

For Help, press F1

5/28/98

During the estimating process, the drawings are also reviewed to see how to reduce costs while maintaining the project design.

Project Accounting

Since control of the contractors depends largely upon the ability to accurately track change orders, requisitions and payments, our project accounting department tracks costs from the pre-construction phase until project closeout. Requests for payment, previous payment amounts and approved change orders are cross-checked before being signed by the Designer. Payment amounts are recommended, open balances and retainages are reported and, finally, job specific, contractor specific lien releases are provided. An Executive Summary Report keeps the Authority Team apprised of the financial status of the project on a bi-monthly basis. Monthly reports have been customized as needed.

The result is a comprehensive report, which tracks In addition, our office tracks the following contractor requirements: Contract, performance bonds, payment and labor bonds and approved schedules of values, list of vendors/subcontractors, safety submissions, product submittals and shop drawings. Especially important, certificates of insurance are continually monitored to assure that the Authority is protected.

SAVIN Engineers, P.C.

Sample Project
Project No:
Date: 7/13/2014
Page: 1 of 1

SED Cost Summary

Cost Code	Title	Original Contracts	Approved Changes	Pending Changes	Projected Contracts	Payments To Date
A-00-000-001	Construction Reserve	$0.00	$0.00	$0.00	$0.00	
	Project Total:	$0.00	$0.00	$0.00	$0.00	
	Category Total:	$0.00	$0.00	$0.00	$0.00	
C-000-00-02	General Contractor	$0.00	$0.00	$0.00	$0.00	
	Project Total:	$0.00	$0.00	$0.00	$0.00	
	Category Total:	$0.00	$0.00	$0.00	$0.00	
01-000-201	Construction Manager (SAVIN)	$0.00	$0.00	$0.00	$0.00	
01-000-201R	CM Reimbursable	$0.00	$0.00	$0.00	$0.00	
01-000-240	Bond Cost	$0.00	$0.00	$0.00	$0.00	
01-000-241C	Cleaning/Moving	$0.00	$0.00	$0.00	$0.00	
01-000-244	District Expense	$0.00	$0.00	$0.00	$0.00	
01-000-245	Architect (SEI)	$0.00	$0.00	$0.00	$0.00	
01-000-245R	Architect Reimburseables	$0.00	$0.00	$0.00	$0.00	
01-000-247	Environmental Consultant	$0.00	$0.00	$0.00	$0.00	
01-000-248	Testing Services	$0.00	$0.00	$0.00	$0.00	
	Project Total:	$0.00	$0.00	$0.00	$0.00	
	Category Total:	$0.00	$0.00	$0.00	$0.00	
NOT COSTED	NOT COSTED	$0.00	$0.00	$0.00	$0.00	
	Project Total:	$0.00	$0.00	$0.00	$0.00	
	Category Total:	$0.00	$0.00	$0.00	$0.00	
	Bond Total:	$0.00	$0.00	$0.00	$0.00	

Computer screen capture of sample tracking report

Change Order Resolution and Claims

Savin Engineers endeavors to hold to a "no change order policy" exclusive of Owner driven scope changes.

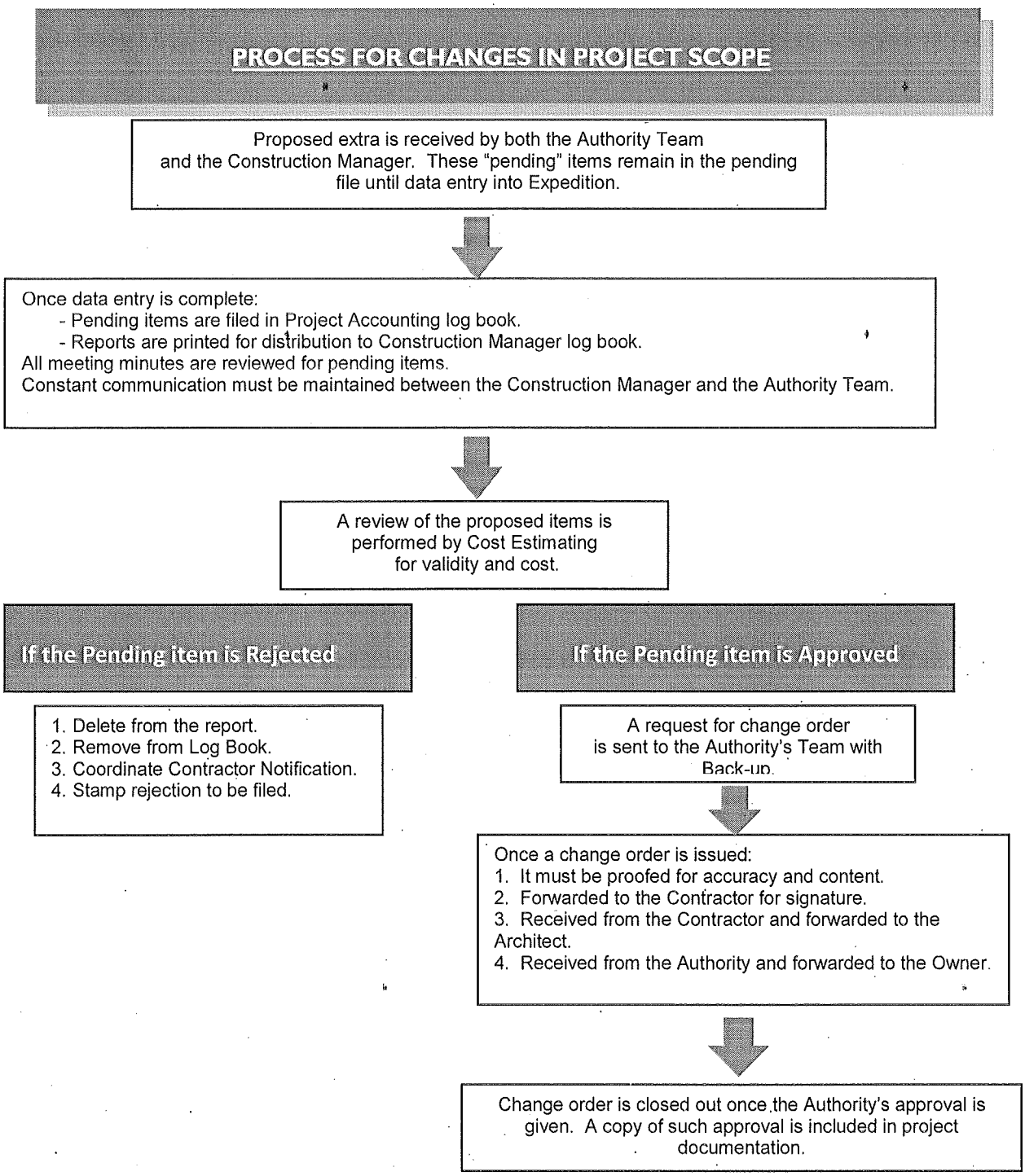
This goal of **Savin Engineers**, results in change orders in the value of 1.5% – 2% of the project costs. We are able to meet this by implementing the following:

1. Detailed plan reviews prior to bid by all disciplines.
2. Include specific cost allowances as part of base bids.
3. Analyze requests for change orders according to the following flow chart.

Our goal is to hold the line on project costs in order for the Authority to use the funds more effectively elsewhere.

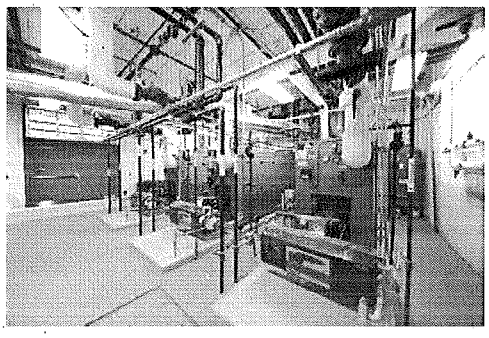
The flow chart on the following page outlines our methodology in handling change orders when they arise:

Change Order Resolution and Claims...(cont'd)



Section C: Management and Technical Approach

Quality Control/Quality Assurance



The following are the objectives of the **Savin Engineers** Quality Control/Quality Assurance Program (QC/QA):

- To obtain the level of quality to commensurate with the project plans, specifications and industry standard practices.
- Early identification of defective or deficient work minimizes schedule and cost impacts.
- Ensure that project documentation and "paper trail" is available and concise for use in project administration and resolving open issues.

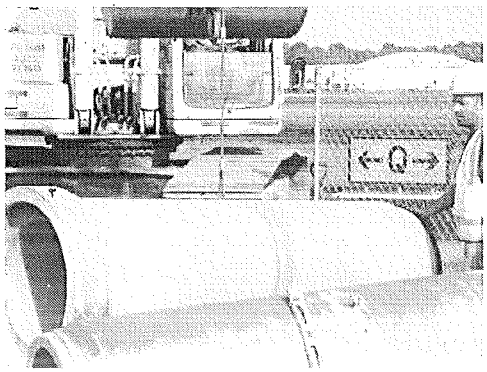
Savin Engineers staff members are instructed to adhere to the QC/QA set forth below. At the construction phase, these guidelines when implemented properly, keep the program on schedule while compliance to the construction documents (plans and specifications) are enforced.

Savin staff will work with the project team to develop a program to establish the quality project levels designated for the project by the Owner. These objectives will be achieved by implementing the following:

- Establish project specific procedures for monitoring the quality of the work.
- Assurance that as part of the contract documents, each contractor submits a quality control plan, defining how they will meet the intended quality control standards outlined in the contract documents. This includes but is not limited to mandatory testing and inspections.
- Establish level of acceptable quality by review of project plans, specifications, submittals, product literature, and manufacturer's installation instructions prior to start of a trade or activity.
- Maintenance of a current and accurate set of plans, specifications, shop drawings and submittals on site to accurately review against work in place.
- Identify activities of work requiring special testing, inspection, or coordination with authorities having jurisdiction. The Construction Administrator will establish project specific procedures for implementation and record keeping of these activities.
- Daily monitoring of work in place including taking of records and photographs. Where necessary, video, specialized procedures and training.
- Issuance of prompt written directives to stop work in areas of non-compliance.
- Review contractors'[1] schedule of values prior to invoicing against engineers QC/QA estimate. Maintain strict control in the review of contractors' requests for payment, by carefully reviewing schedule progress and quantity of placed work.
- Establish clear definitions of change order approval process, and maintain strict control that no additional work is approved without proper authority.
- Monitoring and issuance of updates to the agreed C.P.M. schedule outlined in the contract documents. Assess delays against the responsible contractor.

Quality Control/Quality Assurance...(cont'd)

- Project documentation is to reside primarily in Expedition, and will include the following; Daily reports, Meeting Minutes, RFI Logs, Submittal Logs, Insurance log, Contractor/Payment Requisitioning Log, Correspondence, and Photographs.
- Reviews and assistance for the Construction Team in the receipt of closeout documents.
- Explanatory meetings for review of closeout documents with the Owner.



During the course of the program, the **Savin Engineers** QC/QA will carry out comprehensive internal quality audits to see that the foregoing has been implemented and maintained. **Savin Engineers** will implement this program fairly and impartially.

The onsite functions of the Construction Administrator does not in any way mitigate the contractual obligations of each contractor to provide quality performance. Contractors are solely responsible for the quality of their work.

Project Close-out

Project Finalization is defined as the period where the project is converted to warranties and maintenance procedures and protocols to maintain, in fact, the capital investment made today will expand the useful life of the material and/or products.

The services provided are as follows:

- *Final Punch List Inspection*
- *Final Accounting Audit*
- *Final QA/QC Reports*
- *Coordination of the Designer Final Inspection*
- *Turn Over of Site Documents*
- *Receipt, Review and Processing of:*
  - ✓ *Manuals - Guarantees/Warranties*
  - ✓ *Manuals - Procedures/Spare Parts*
  - ✓ *Release of Liens (Subcontractors)*
  - ✓ *Release of Liens (Prime Contractor)*
  - ✓ *Contractor's Affidavit of Payment of Debts and Claims*
  - ✓ *Consent of Surety*
  - ✓ *Submission of As-Built Drawings*
  - ✓ *Certificate of Current Insurance*
  - ✓ *Contractor's Guarantee of Insurability*
  - ✓ *Certification of Wage Rates*
  - ✓ *Final Applications for Payment*
  - ✓ *On call assistance after project close-out*

Staff Training

In addition to providing quality staff where and when needed, Savin is dedicated to regular and relevant training. Whether it is the latest innovations in paving, the proper methods for taking slump and air measurements, Hazmat refresher courses or CPM scheduling certification, we provide our staff with the necessary training for the work they are currently involved in or likely to become involved in. Recent examples of this include special inspection training in categories such as:

- ACI Concrete Special Inspector
- Structural Steel and Bolting Inspection
- ACI – Structural Masonry Special Inspector
- Hot Mix Asphalt Construction
- IBC Code Provisions

In addition Savin conducts annual in-house training for office and field staff. The topics for these seminars are selected based on relevance to our clients' projects and have included:

- Troubleshooting Concrete Construction – ACI
- Concrete Repair for Transportation Structures - ACI
- Fundamentals of Protective Coating for Industrial Structures – SPCC
- Repair of Concrete Bridge and Parking Decks – ACI
- Hot Mix Asphalt Pavement – Asphalt Institute

We believe this type of regular training helps our clients improve the quality of their constructed projects.

Section D: DBE Participation

We have included Hudson Valley Engineering Associates, PC on our team. They are a certified DBE firm. We have included their certification in this section.

ATTACHMENT D-1

DBE GOALS STATEMENT

The undersigned Bidder has satisfied the requirements of the Contract in the following manner (Complete the appropriate spaces):

The Bidder is committed to meeting the DBE utilization goal set forth in this Contract.

or

The Bidder is unable to meet the DBE utilization goal set forth in this Contract, but is committed to a minimum of 17% DBE utilization on this Contract and submits the attached narrative and documentation demonstrating good faith efforts consistent with Appendix A of 49 CFR 26 to meet the DBE utilization goal set forth in this Contract.

Attach as many pages as necessary to provide a full and complete narrative and supporting documentation of good faith efforts made. This narrative shall be submitted on company letterhead and signed.

It is the present intent of the Bidder to utilize the specific DBE firms identified in Appendix A2 in the performance of the Work of this Contract. If for any reason, one or more of the DBE firms identified in Appendix A2 are unable or unwilling to participate, the Bidder will make good faith efforts to replace the DBE firm with another DBE firm in accordance with Part II clause entitled "DBE Program".

Bidder Name: Savin Engineers, PC

Federal Tax ID No.: [redacted]

By: _____ President

Signature and Title

2013_DBE_NYSDOT

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
www.dot.ny.gov

JOAN MCDONALD
COMMISSIONER

ANDREW M. CUOMO
GOVERNOR

MAR 7 2013

Ms. Mia K. Nadasky
Hudson Valley Engineering Associates, PC
560 Route 52 Suite 201
Beacon, NY 12508

Re: **DBE ANNUAL AFFIDAVIT REVIEW NOTICE**

Dear Ms. Mia K. Nadasky:

The New York State Department of Transportation (NYSDOT), a Certifying Partner in the New York State Unified Certification Program (NYSUCP), is pleased to advise you that your firm continues to meet the eligibility criteria established by the U.S. Department of Transportation Disadvantaged Business Enterprise regulations codified at 49 CFR, Part 26 and remains **CERTIFIED** as a Disadvantaged Business Enterprise (DBE). Your firm is certified as a DBE with the NYSUCP to provide the service listed below:

Service Area:
Highway Design, Construction Inspection, Construction Management, Community Participation Services, Urban Planning

NAICS CODE:
237310 – Highway, Street and Bridge Construction
DOT WORK CODES:
040B – Right of Way Mapping
050C – Construction Management
NAICS CODE:
541330 – Engineering Services
DOT WORK CODES:
010A – Highway Design Phases I-IV
010B—Highway Design Phases V-VI
010C – Roadway Lighting
010D – Drainage
010E – Utilities
010F -- Constructability
010G – Estimating
010H – Specifications
010I -- Bridge Inspection
010J – Bridge Design Phases I- IV

010K – Bridge Design Phases V-VI
010L – Traffic Engineering
010M – Traffic Engineering
010N – Signals
010O – Signing
010P – Hydraulics
010Q – Hydrology
050A – Construction Inspection

NAICS CODE:
541380 – Testing Laboratories

DOT WORK CODES:
050B – Material Sampling, Testing and On-site Inspection

NAICS CODE:
541820 – Public Relations

Your firm is eligible to participate as a DBE on NYSDOT, Metropolitan Transportation Authority, Port Authority of New York and New Jersey and Niagara Frontier Transportation Authority federally assisted projects in the identified service area.

Your firm's certification status with the NYSUCP will remain effective for as long as your firm continues to meet all DBE certification eligibility requirements and the ownership and control of the firm, upon which DBE certification was granted, has not changed. However, you are required to submit, annually, on the anniversary date of this notice, a sworn affidavit affirming that there have been no changes in your firm's economic disadvantaged status, ownership or control. In the event that there are changes, please be advised that you are required to notify the NYSDOT, within 30 days, of any changes in your business ownership, control and/or operations including address, telephone number, business services and capabilities. Failure to adhere to these requirements may result in the removal of DBE certification.

Your firm will be included in the NYSUCP Directory (http://biznet.nysucp.net) which will indicate the type of work that your firm has been certified to perform. Please note that any of the Certifying Partners of the NYSUCP reserves the right to review your firm's certification eligibility prior to your firm's participation on a federally assisted project for their agency or at any time that it is determined that such reevaluation is warranted.

We are pleased to have you as a continued participant in the NYSUCP and wish you much success.

Should you have any questions, please contact Jackie.Jones@dot.ny.gov or (518) 485-1834.

Sincerely,

Jacqueline E. Jones
Compliance Specialist II
DBE Certification Supervisor
DBE Certification Unit
Office of Audit

Section E: Pricing

Cost proposals are not required at this time, per the RFP.

Section F: Affiliates

Savin Engineers, P.C. has no affiliates.

NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT
BETWEEN

[1]

AND

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

THIS NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT (this "**Agreement**") is made as of this [2] day of [3], [4], by and between **THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY** (the "**Port Authority**") a body corporate and politic created by Compact between the States of New York and New Jersey, with the consent of the Congress of the United States, and having an office and place of business at 225 Park Avenue South, New York, New York, 10003, and [5] having an office and place of business at [6] ("**Recipient**").

WHEREAS, the Port Authority desires, subject to the terms and conditions set forth below, to disclose to Recipient Protected Information (as defined below) in connection with [7] (collectively, the "Project(s)", or "Proposed Project(s)"); and

WHEREAS, the Recipient acknowledges that the Port Authority, in furtherance of its performance of essential and critical governmental functions relating to the Project, has existing and significant interests and obligations in establishing, maintaining and protecting the security and safety of the Project site and surrounding areas and related public welfare matters; and

WHEREAS, in furtherance of critical governmental interests regarding public welfare, safety and security at the Project site, the Port Authority has collected information and undertaken the development of certain plans and recommendations regarding the security, safety and protection of the Project site, including the physical construction and current and future operations; and

WHEREAS, the Port Authority and Recipient (collectively, the "**Parties**") acknowledge that in order for Recipient to undertake its duties and/or obligations with regard to its involvement in the Project, the Port Authority may provide Recipient or certain of its Related Parties (as defined below) certain information in the possession of the Port Authority, which may contain or include protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, relating to the Project or its occupants or other matters, the unauthorized disclosure of which could result in significant public safety, financial and other damage to the Port Authority, the Project, its occupants, and the surrounding communities; and

WHEREAS, Recipient recognizes and acknowledges that providing unauthorized access to, or disclosing such information to third parties in violation of the terms of this Agreement could compromise or undermine the existing or future guidelines, techniques and procedures implemented for the protection against terrorist acts or for law enforcement, investigation and

prosecutorial purposes, and accordingly could result in significant irreparable harm and injury; and

WHEREAS, in order to protect and preserve the privilege attaching to and the confidentiality of the aforementioned information as well as to limit access to such information to a strict need to know basis, the Port Authority requires, as a condition of its sharing or providing access to such protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, that the Recipient enter into this Agreement and that its Related Parties thereafter acknowledge and agree that they will be required to treat as strictly confidential and/or privileged any of such information so provided, as well as the work product and conclusions of any assessments and evaluations or any recommendations relating thereto, and to also fully comply with applicable federal rules and regulations with respect thereto; and

WHEREAS, as a condition to the provision of such information to Recipient and certain Related Parties, the Recipient has agreed to enter into this Agreement with respect to the handling and use of such information and to cause Related Parties to join in and be bound by the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the provision by Port Authority of Information for Project Purposes (as each such term is defined below) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Recipient and each Related Party that receives such Information, the Recipient and each such Related Party agrees, as follows:

1. **Defined Terms.** In addition to the terms defined in the Recitals above, the following terms shall have the meanings set forth below:

(a) **"Authorized Disclosure"** means the disclosure of Protected Information strictly in accordance with the Confidentiality Control Procedures applicable thereto: (i) as to all Protected Information, only to a Related Party that has a need to know such Protected Information strictly for Project Purposes and that has agreed in writing to be bound by the terms of this Agreement by executing a form of Acknowledgment as set forth in Exhibit A or Exhibit B, as applicable; and (ii) as to Confidential Privileged Information, only to the extent expressly approved in writing and in advance by the Port Authority, and then only the particular Confidential Privileged Information that is required to accomplish an essential element of the Project.

(b) **"Information"** means, collectively, all information, documents, data, reports, notes, studies, projections, records, manuals, graphs, electronic files, computer generated data or information, drawings, charts, tables, diagrams, photographs, and other media or renderings containing or otherwise incorporating information that may be provided or made accessible at any time, whether in writing, orally, visually, photographically, electronically or in any other form or medium, including, without limitation, any and all copies, duplicates or extracts of the foregoing.

(c) "**Protected Information**" means and includes collectively, Confidential Information, Confidential Privileged Information, Sensitive Security Information (SSI), Critical Infrastructure Information (CII) or Health Insurance Portability and Accountability Act (HIPPA) Information and Information that is labeled, marked or otherwise identified by or on behalf of the Port Authority so as to reasonably connote that such information is confidential, privileged, sensitive or proprietary in nature. The term Protected Information shall also include all work product that contains or is derived from any of the foregoing, whether in whole or in part, regardless of whether prepared by the Recipient, the Port Authority or others, or when the Port Authority receives such information from others and agrees to treat such information as Protected. The following Information shall not constitute Protected Information for the purpose of this Agreement:

(i) Particular Information, other than Confidential Privileged Information, that is provided to the Recipient by a source other than the Port Authority, provided that such source is not subject to a confidentiality agreement, or similar obligation, or understanding with or for the benefit of the Port Authority, with respect to such Information and that the identity of such source is not itself part of such Protected Information.

(ii) Information that is or becomes generally available to the public other than as a result of a disclosure by the Recipient or a Related Party in violation of this Agreement.

(iii) Information that is known to or was in the possession of the Recipient or a Related Party on a non-confidential basis prior to the disclosure of such Information by the Port Authority.

(d) "**Confidential Information**" means and includes collectively, any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws. It also includes information that contains sensitive financial, commercial or other proprietary business information concerning or relating to the Port Authority, its projects, operations or facilities that would be exempt from release under the Port Authority Freedom of Information Code.

(e) "**Confidential Privileged Information**" means and includes collectively, (i) Information that reveals security risks, threats, vulnerabilities, documentation that identifies specific physical security vulnerabilities or revealing specific security vulnerabilities details related to emergency response protocols, egress plans, flow paths, egress capacities, (diagrams, codes, standards) etc., which is not publicly available." and any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws, and (ii) certain Critical Infrastructure Information.

(f) "**Confidentiality Control Procedures**" means procedures, safeguards and requirements for the identification, processing, protection, handling, care, tracking and storage of

Protected Information that are required under applicable federal or state law, the Port Authority Handbook, or by the terms of this Agreement.

(g) **"Critical Infrastructure Information"** (CII) has the meaning set forth in the Homeland Security Act of 2002, under the subtitle Critical Infrastructure Information Act of 2002 (6 U.S.C. §131-134), and any rules or regulations enacted pursuant thereto, including, without limitation, the Office of the Secretary, Department of Homeland Security Rules and Regulations, 6 C.F.R. Part 29 and any amendments thereto. CII may also be referred to as "Protected Critical Infrastructure Information" or "PCII", as provided for in the referenced rules and regulations and any amendments thereto.

(h) **"Sensitive Security Information"** (SSI) has the definition and requirements set forth in the Transportation Security Administrative Rules & Regulations, 49 CFR 1520, (49 U.S.C. §114) and in the Office of the Secretary of Transportation Rules & Regulations, 49 CFR 15, (49 U.S.C. §40119).

(i) **"Health Insurance Portability and Accountability Act"** (HIPAA) Information Employees, associates or other contract personnel who have access to Protected Health Information (PHI) must refer to, and comply with, the Privacy Policies and Procedures to Protect Personal Health Information. Privacy regulations issued under the Health Insurance Portability and Accountability Act of 1996 ("HIPAA" or "Privacy Laws") place restrictions on the Group Health Plans of the Port Authority and PATH (the "Plans") ability to use and disclose Protected Health Information ("PHI").

(j) **"Port Authority Handbook"** means The Port Authority of New York and New Jersey. Information Security Handbook, as may be amended by the Port Authority, from time to time.

(k) **"Project Purposes"** means the use of Protected Information strictly and only for purposes related to Recipient's and its Related Parties' participation and involvement in the Project, and only for such period of time during which Recipient and its Related Parties are involved in Project related activities.

(l) **"Related Party"** and **"Related Parties"** means the directors, employees, officers, partners or members of the Recipient, as applicable, and the Recipient's outside consultants, attorneys, advisors, accountants, architects, engineers or subcontractors or sub-consultants (and their respective directors, employees, officers, partners or members) to whom any Protected Information is disclosed or made available.

2. **Use of Protected Information.** All Protected Information shall be used by the Recipient in accordance with the following requirements:

(a) All Protected Information shall be held in confidence and shall be processed, treated, disclosed and used by the Recipient and its Related Parties only for Project Purposes and in accordance with the Confidentiality Control Procedures established pursuant to Paragraph 2(c), below, including, without limitation, the Port Authority Handbook, receipt of which is acknowledged by Recipient and shall be acknowledged in writing by each Related Party by signing the Acknowledgment attached hereto as Exhibit A or Exhibit B, as applicable, and

applicable legal requirements. Protected Information may be disclosed, only if and to the extent that such disclosure is an Authorized Disclosure.

(b) Recipient and each Related Party acknowledges and agrees that (i) any violation by the Recipient or any of its Related Parties of the terms, conditions or restrictions of this Agreement relating to Protected Information may result in penalties and other enforcement or corrective action as set forth in such statutes and regulations, including, without limitation, the issuance of orders requiring retrieval of Sensitive Security Information and Critical Infrastructure Information to remedy unauthorized disclosure and to cease future unauthorized disclosure and (ii) pursuant to the aforementioned Federal Regulations, including, without limitation, 49 C.F.R. §§ 15.17 and 1520.17, any such violation thereof or mishandling of information therein defined may constitute grounds for a civil penalty and other enforcement or corrective action by the United States Department of Transportation and the United States Department of Homeland Security, and appropriate personnel actions for Federal employees.

(c) Recipient and each Related Party covenants to the Port Authority that it has established, promulgated and implemented Confidentiality Control Procedures for identification, handling, receipt, care, and storage of Protected Information to control and safeguard against any violation of the requirements of this Agreement and against any unauthorized access, disclosure, modification, loss or misuse of Protected Information. Recipient and each Related Party shall undertake reasonable steps consistent with such Confidentiality Control Procedures to assure that disclosure of Protected Information is compartmentalized, such that all Protected Information shall be disclosed only to those persons and entities authorized to receive such Information as an Authorized Disclosure under this Agreement and applicable Confidentiality Control Procedures. The Confidentiality Control Procedures shall, at a minimum, adhere to, and shall not be inconsistent with, the procedures and practices established in the Port Authority Handbook.

(d) The Port Authority reserves the right to audit Recipient's Confidentiality Control Procedures, and those of each Related Party, as applicable, to ensure that it is in compliance with the terms of this Agreement.

(e) The Port Authority may request in writing that the Recipient or any Related Parties apply different or more stringent controls on the handling, care, storage and disclosure of particular items of Protected Information as a precondition for its disclosure. The Port Authority may decline any request by the Recipient or any of its Related Parties to provide such item of Protected Information if the Recipient or any of the Related Parties do not agree in writing to apply such controls.

(f) Nothing in this Agreement shall require the Port Authority to tender or provide access to or possession of any Protected Information to the Recipient or its Related Parties, whether or not the requirements of this Agreement are otherwise satisfied. However, if such Protected Information is provided and accepted, the Recipient and its Related Parties shall abide by the terms, conditions and requirements of this Agreement.

(g) The Recipient and each Related Party agrees to be responsible for enforcing the provisions of this Agreement with respect to its Related Parties, in accordance with the Confidentiality Control Procedures. Except as required by law pursuant to written advice of

competent legal counsel, or with the Port Authority's prior written consent, neither the Recipient, nor any of the Related Parties shall disclose to any third party, person or entity: (i) any Protected Information under circumstances where the Recipient is not fully satisfied that the person or entity to whom such disclosure is about to be made shall act in accordance with the Confidentiality Control Procedures whether or not such person or entity has agreed in writing to be bound by the terms of this Agreement or any "Acknowledgement" of its terms or (ii) the fact that Protected Information has been made available to the Recipient or such Related Parties, or the content or import of such Protected Information. The Recipient is responsible for collecting and managing the Acknowledgments signed by Related Parties pursuant to this Agreement. Recipient shall, at the Port Authority's request, provide the Port Authority a list of all Related Parties who have signed an Acknowledgment, and copies of such Acknowledgments.

(h) As to all Protected Information provided by or on behalf of the Port Authority, nothing in this Agreement shall constitute or be construed as a waiver of any public interest privilege or other protections established under applicable state or federal law.

3. **Disclosures and Discovery Requests.** If a subpoena, discovery request, Court Order, Freedom of Information Request, or any other request or demand authorized by law seeking disclosure of the Protected Information is received by the Recipient or any Related Party, Recipient shall notify the Port Authority thereof, to the extent permitted by law, with sufficient promptness so as to enable the Port Authority to investigate the circumstances, prepare any appropriate documentation and seek to quash the subpoena, to seek a protective order, or to take such other action regarding the request as it deems appropriate. In the absence of a protective order, disclosure shall be made, in consultation with the Port Authority, of only that part of the Protected Information as is legally required to be disclosed. If at any time Protected Information is disclosed in violation of this Agreement, the Recipient shall immediately give the Port Authority written notice of that fact and a detailed account of the circumstances regarding such disclosure to the Port Authority.

4. **Retention Limitations; Return of Protected Information.** Upon the earlier occurrence of either the Port Authority's written request or completion of Recipient's need for any or all Protected Information, such Protected Information, all writings and material describing, analyzing or containing any part of such Protected Information, including any and all portions of Protected Information that may be stored, depicted or contained in electronic or other media and all copies of the foregoing shall be promptly delivered to the Port Authority at Recipient's expense. In addition, as to Protected Information that may be stored in electronic or similar form, such Protected Information shall be deleted and completely removed so that such Protected Information is incapable of being recovered from all computer databases of the Recipient and all Related Parties. The Recipient may request in writing that the Port Authority consent to destruction of Protected Information, writings and materials in lieu of delivery thereof to the Port Authority. The Port Authority shall not unreasonably withhold its consent to such request. If the Port Authority consents to such destruction, the Recipient and each Related Party shall deliver to the Port Authority a written certification by Recipient and such Related Party that such Protected Information, writings and materials have been so destroyed within such period as may be imposed by the Port Authority. Notwithstanding the foregoing, to the extent required for legal or compliance purposes, the Recipient may retain copies of Protected Information (in any format), provided that (a) the Port Authority is notified in writing of such retention, and (b) Recipient

continues to abide by the requirements of this Agreement with respect to the protection of such Protected Information.

5. **Duration and Survival of Confidentiality Obligations.** The obligations under this Agreement shall be perpetual (unless otherwise provided in this Agreement) or until such time as the Protected Information is no longer considered protected, confidential and/or privileged by the Port Authority.

6. **Severability.** Each provision of this Agreement is severable and if a court should find any provision of this Agreement to be unenforceable, all other provisions of this Agreement shall remain in full force and effect.

7. **Injunctive and Other Relief.** Recipient and each Related Party acknowledges that the unauthorized disclosure and handling of Protected Information is likely to have a material adverse and detrimental impact on public safety and security and could significantly endanger the Port Authority, its facilities (including, without limitation, the Project site), its patrons and the general public and that damages at law are an inadequate remedy for any breach, or threatened breach, of this Agreement by Recipient or its Related Parties. The Port Authority shall be entitled, in addition to all other rights or remedies, to seek such restraining orders and injunctions as it may deem appropriate for any breach of this Agreement, without being required to show any actual damage or to post any bond or other security.

8. **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to conflict of laws principles. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient specifically and irrevocably consent to the exclusive jurisdiction of any federal or state court in the County of New York and State of New York with respect to all matters concerning this Agreement and its enforcement. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient agree that the execution and performance of this Agreement shall have a New York situs and, accordingly, they each consent (and solely with respect to the Port Authority, subject to the terms of the Port Authority Legislation (as defined below)) to personal jurisdiction in the State of New York for all purposes and proceedings arising from this Agreement. "**Port Authority Legislation**" shall mean the concurrent legislation of the State of New York and State of New Jersey set forth at Chapter 301 of the Laws of New York of 1950, as amended by Chapter 938 of the Laws of New York of 1974 (McKinney's Unconsolidated Laws §§7101-7112) and Chapter 204 of the Laws of New Jersey of 1951 (N.J.S.A. 32:1-157 to 32:1-168).

9. **Notices.** Any notice, demand or other communication (each, a "**notice**") that is given or rendered pursuant to this Agreement by either party to the other party, shall be: (i) given or rendered, in writing, (ii) addressed to the other party at its required address(es) for notices delivered to it as set forth below, and (iii) delivered by either (x) hand delivery, or (y) nationally recognized courier service (e.g., Federal Express, Express Mail). Any such notice shall be deemed given or rendered, and effective for purposes of this Agreement, as of the date actually delivered to the other party at such address(es) (whether or not the same is then received by other party due to a change of address of which no notice was given, or any rejection or refusal to accept delivery). Notices from either party (to the other) may be given by its counsel.

The required address(es) of each party for notices delivered to it is (are) as set forth below. Each party, however, may, from time to time, designate an additional or substitute required address(es) for notices delivered to it, provided that such designation must be made by notice given in accordance with this Paragraph 9.

Original to the Port Authority:

[8a]
The Port Authority of New York and New Jersey
[8b]
[8c]

with a copy to:

The Port Authority of New York and New Jersey
225 Park Avenue South - 14th Floor
New York, NY 10003
Attn: General Counsel's Office c/o Caroline Ioannou, Law DISO

If to the Recipient: _____

_____

_____

with a copy to: _____

_____

_____

10. **Entire Agreement.** This Agreement contains the complete statement of all the agreements among the parties hereto with respect to the subject matter thereof, and all prior agreements among the parties hereto respecting the subject matter hereof, whether written or oral, are merged herein and shall be of no further force or effect. This Agreement may not be changed, modified, discharged, or terminated, except by an instrument in writing signed by all of the parties hereto.

11. **Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original, but all of which shall be one and the same document.

12. **Parties Bound.** This Agreement shall be binding upon the Recipient and its respective successors. The foregoing shall not be affected by the failure of any Related Party to join in this Agreement or to execute and deliver an Acknowledgement hereof.

13. **Authority.** The undersigned individual(s) executing this Agreement on behalf of the Recipient below represent(s) that they are authorized to execute this Agreement on behalf of the Recipient and to legally bind such party.

14. **Disclosure of Ownership Rights or License.** Nothing contained herein shall be construed as the granting or conferring by the Port Authority of any rights by ownership, license or otherwise in any Information.

15. **No Liability.** Neither the Commissioners of the Port Authority, nor any of them, nor any officer, agent or employee thereof, shall be charged personally by the Recipient with any liability, or held liable to the Recipient under any term or provision of this Agreement, or because of its execution or attempted execution or because of any breach, or attempted or alleged breach thereof.

16. **Construction.** This Agreement is the joint product of the parties hereto and each provision of this Agreement has been subject to the mutual consultation, negotiation, and agreement of the parties hereto, and shall not be construed for or against any party hereto. The captions of the various sections in this Agreement are for convenience only and do not, and shall not be deemed to, define, limit or construe the contents of such Sections.

RECIPIENT:

Signature: _____

Print Name: [9]

Title: [10]

Date: [11]

Port Authority Non-Disclosure and Confidentiality Agreement (NDA)

Please utilize the field numbers for the attached NDA as described below.

Field Form Number	Description of Data to be Entered
[1]	SAVIN ENGINEERS, P.C.
[2]	14
[3]	July
[4]	2014
[5]	SAVIN ENGINEERS, P.C.
[6]	3 Campus Drive Pleasantville, NY 10570
[7]	TBD
[8a], [8b] & [8c]	TBD
[9]	James Gavin, PE
[10]	Executive Vice President
[11]	July 14, 2014

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352

The undersigned
R. Srinivasaraghavan
(name of authorized officer)
certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying, Activities" in accordance with its instructions.

- The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by, 31, U.S. C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Note: Pursuant to 31 U.S.C § 1352(c)(I)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

Executed this day 14 of July, 2014

By: _____
Signature of Authorized Official

R. Srinivasaraghavan, President
Official Name and Title of Authorized Official

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352

The undersigned R. Srinivasaraghavan

(name of authorized officer)

certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying, Activities" in accordance with its instructions.

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The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

Executed this day 14 of July, 2014

By: _____

Signature of Authorized Official

R. Srinivasaraghavan, President

Official Name and Title of Authorized Official

Section H: Background Qualification Questionnaire

Savin Engineers, P.C. submitted our Background Qualification Questionnaire electronically on Monday, June 30, 2014 at 11:36 AM and submitted our original copy for delivery on Wednesday, July 2, 2014.

Section I: Conflict of Interest

To the best of our knowledge and understanding Savin Engineers, P.C., its employees and agents do hot have nor foresee having a conflict of interest or the appearance thereof associated with this project.

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
2 MONTGOMERY STREET, 3RD FL.
JERSEY CITY, NJ 07302

7/3/2014

ADDENDUM #1

To prospective Proposer(s) on RFP # 38268 - REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

Now Due back on 7/14/2014, no later than 2:00PM

Originally due on 7/9/2014, no later than 2:00PM

This communication should be initialed by you and annexed to your Bid upon submission.

In case any Bidder fails to conform to these instructions, its Bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Savin Engineers, PC

INITIALED: _____

DATE: July 15, 2014

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

This communication should be initialed by you and attached to your Proposal.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically attached and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Savin Engineers, PC

INITIALED: _____

DATE: July 15, 2014

Answer #43	Yes.
Question #44	In what manner will the sealed cost proposals be returned to unsuccessful proposer?
Answer #44	They will not be returned.
Question #45	a. Can the organization chart be submitted on 11x17 paper? b. Can the font on the organization chart be less than 12 pt.?
Answer #45	Yes.

This communication should be initialed by you and attached to your Proposal.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically attached and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Savin Engineers, PC

INITIALED: _____

DATE: July 15, 2014

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
2 MONTGOMERY STREET, 3rd FL.
JERSEY CITY, NJ 07302

July 10, 2014

ADDENDUM #4

TO PROSPECTIVE BIDDER(S) ON **RFP #38268** - REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

Now Due on 7/16/2014, no later than 2:00PM

Originally Due on 7/14/2014, no later than 2:00PM

This communication should be initialed by you and annexed to your proposal to the above-referenced upon submission.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically annexed and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Savin Engineers, PC

INITIALED: _____

DATE: July 15, 2014

THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

Proposal for

INDEFINITE QUANTITY CONTRACTS FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

VARIOUS LOCATIONS, NEW YORK AND NEW JERSEY

Submitted by: Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

TECTONIC

ORIGINAL

JULY 16, 2014

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

TECTONIC
Practical Solutions, Exceptional Service

July 16, 2014

Bid/Proposal Custodian
The Port Authority of New York and New Jersey
Procurement Department
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302

RE: Proposal for Indefinite Quantity Contracts (IQCs) For Performance of Expert Professional Construction Management and Inspection Services for Federally Funded Storm Related Resiliency Projects on an "As-Needed" Basis Through 2018

Dear Sir or Madam,

The Gannett Fleming Engineers and Architects, P.C. and **Tectonic Engineering & Surveying Consultants, P.C. Joint Venture** represents a combination of two powerhouse firms that are most capable of providing a qualified, experienced Team, and high-quality, efficient services to meet the needs of construction management and inspection projects delegated under the Port Authority of New York and New Jersey's (PANYNY's) indefinite quantity contracts. Enclosed please find one reproducible original, six copies, and six compact disc copies of our proposal, as well as a copy of our firm's financial information.

Our firm represents a nearly 100-year tradition of excellence, with almost 2,000 employees on staff in 60 offices nationwide, including five offices strategically located in New York and New Jersey. Our Team offers a wide array of expertise and specialized knowledge relevant to this project. **We have held numerous "As-Needed" construction management contracts, and are currently providing such services to the PANYNJ under the Performance of Expert Professional Construction Management and Related Technical Services contract for 2011-2014.**

Our local presence in New York and New Jersey makes us intimately familiar with the devastating impact Hurricane Sandy has had on our infrastructure. **We have been involved with over 15 storm hardening and resiliency programs, including the PANYNJ Performance of Facility Surveys for the Hurricane Sandy Damage Assessment project at Brooklyn Pier Sheds 7, 9, and 11 in Brooklyn, NY.** Our firm's experience with Hurricane Sandy work and our extensive knowledge of this task order's requirements will be assets to the PANYNJ.

Tectonic Engineering & Surveying Consultants, P.C. is a thriving, New York-based multidiscipline engineering firm. Founded in 1986, the firm offers expertise in construction management, resident engineering, and construction inspection services. They have provided construction management services on transportation, transit, and building-related construction projects to multiple major New York agencies, including the PANYNJ, NYCT, LIRR, NYCDDC, NYCDPR, and NYCSCA.

Two Penn Plaza • Suite 552 • 380 Seventh Avenue • New York, NY 10121-0101
t: 212.967.9833 • f: 212.268.6684
www.gannettfleming.com

Gannett Fleming TECTONIC

Our Team will be managed by **Project Manager James T. Gibbons** and **Deputy Project Manager Reza Marandi, PE, CCM,** both of whom have extensive experience managing similar construction inspection projects for the PANYNJ. Mr. Gibbons has 27 years of experience, and is a Manager of Construction Services for the firm in New Jersey and the Metropolitan New York area. He directs operations throughout the area; provides overall project management services; and will serve as our liaison with the PANYNJ. Mr. Gibbons is familiar with PANYNJ standards and specifications, and is currently responsible for supervising overall contract compliance for our ongoing On-Call Construction Inspection for Various Facilities contract with the PANYNJ. Mr. Gibbons will be supported by Reza Marandi, PE, CCM, a Project Manager at Tectonic Engineering & Surveying Consultants, P.C. with 30 years of experience. Mr. Marandi will utilize his experience gained from managing multi-million dollar capital construction projects for the NYCDEP to facilitate tasks awarded under these contracts.

To enhance our services, our Team includes **KS Engineers, P.C. (DBE), Toll International, LLC, (DBE), VRX, Inc. (DBE), and NY Professional Services,** four highly-qualified subconsultants who have a wealth of similar experience. KS Engineers, PC will provide personnel to support the tasks required by this contract, including constructability/bidability, inspection services, and construction management and resident engineering services. Toll International, LLC will provide schedule development and monitoring, as well as cost estimation services. VRX, Inc. and NY Professional Services will provide inspection support. These firms have been added not only to meet the PANYNJ's DBE participation goal, but also because of their similar experience and familiarity with the requirements of this contract.

Collectively, our Team is able to draw from a pool of over 250 professional engineers, construction managers, inspectors, and other construction professionals to respond to any task order assignment. Our familiarity with the PANYNJ, experience on similar "As-Needed" and other contracts for various clients, and our expertise on resiliency and hardening contracts will all help make certain that we exceed the PANYNJ's expectations on this contract.

We appreciate this opportunity to continue our relationship with the PANYNJ, and look forward to building upon our history of providing quality service. Should you have any questions or need any additional information, please contact me at (212) 967-9833, Ext. 5229.

Very truly yours,
GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.

James R. Laurita, PE
Vice President and Regional/Area Manager

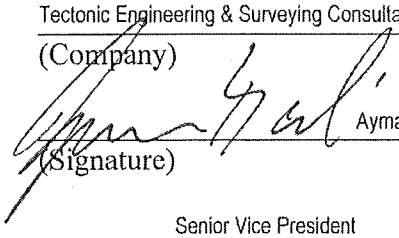
ATTACHMENT B

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure (FOI Code) adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned information submitted which are trade secrets which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Tectonic Engineering & Surveying Consultants P.C
(Company)



Ayman Baki, P.E.
(Signature)

Senior Vice President
(Title)

July 9, 2014
(Date)

ORIGINAL AND PHOTOCOPIES OF THIS PAGE ONLY.
DO NOT RETYPE.

ATTACHMENT B

AGREEMENT ON TERMS OF DISCUSSION

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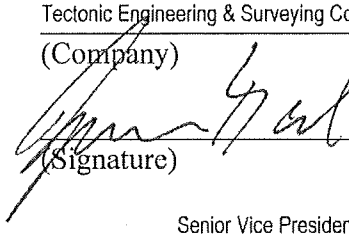
Tectonic Engineering & Surveying Consultants P.C
(Company)



Ayman Baki, P.E.
(Signature)

Senior Vice President
(Title)

July 9, 2014
(Date)

ORIGINAL AND PHOTOCOPIES OF THIS PAGE ONLY.
DO NOT RETYPE.

Attachment C-1

Proposer Prerequisite A

Firms must have Certificates of Authorization to practice Professional Engineering in the states of New York and/or New Jersey and minimum of five (5) years experience, from the date of proposal submission, which includes performing construction management services as outlined in Attachment A for major transportation facilities.

* Note - Duplicate form as necessary *

Reference RFP Section II – Proposer Prerequisites
If Proposer is a common law joint venture, specify which entity's experience is being cited below to satisfy Prerequisite A.

Client Name/ Contracting Entity	ConnDOT
Contract Start Date	2005
Contract End Date	2009
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. was responsible for the technical inspection and administration of the $70 million reconstruction and widening of I-95 in New Haven. The major components of this project included staged construction for the widening of I-95 while maintaining average daily traffic of more than 140,000 vehicles. The project also included the replacement of four flyover bridges, construction of a new interchange and connector roadways, replacement of I-95 mainline bridges, and the construction of more than 1,500 meters of retaining walls.
Client Contact Name / Title	Mark Rolfe, Transportation District Engineer
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	ConnDOT
Contract Start Date	2008
Contract End Date	2011
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. was responsible for overseeing a $45 million widening of U.S. Route 7 in Danbury, CT. The project was 2.1 miles long and involved widening U.S. Route 7 from two lanes to four lanes, with approximately 1/2 mile of this length being a divided highway. Work activities included excavating approximately 100,000 cubic meters of soil; implementing extensive roadway drainage improvements; and performing aerial and underground utility relocations.
Client Contact Name / Title	Kenneth Fargnoli, Transportation District Engineer
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	
Contract Start Date	
Contract End Date	
Brief description of Scope of work	
Client Contact Name / Title	
Client Contact Email Address	
Client Contact Phone Number	

Note – Client Contact must be employee of Company

Attachment C-1

Proposer Prerequisite A

Firms must have Certificates of Authorization to practice Professional Engineering in the states of New York and/or New Jersey and minimum of five (5) years experience, from the date of proposal submission, which includes performing construction management services as outlined in Attachment A for major transportation facilities.

* Note - Duplicate form as necessary *

Reference RFP Section II – Proposer Prerequisites
If Proposer is a common law joint venture, specify which entity's experience is being cited below to satisfy Prerequisite A.

Client Name/ Contracting Entity	MTA Metro-North Railroad
Contract Start Date	2006
Contract End Date	2011
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. was responsible for providing construction supervision and inspection services for station work at three train stations along the Hudson Line for Metro-North Railroad. The project included services for the 39-month staged replacement of 4,500 linear feet (LF) of high-level platforms; 1,500 LF of canopies; pedestrian overpasses; heated shelters; walkways; stairs; six pile-supported elevators; Americans with Disabilities Act (ADA) improvements; and improved lighting.
Client Contact Name / Title	Geoff Dopsch, Assistant Director of Facilities Engineering
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	Connecticut Department of Transportation (ConnDOT)
Contract Start Date	2012
Contract End Date	2015
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing construction engineering and inspection services to the Connecticut Department of Transportation for Project Nos. 63-643 and 93-180, New Britain-Hartford busway. This project involves technical inspection and administration services for a $130.6 million bus rapid transit construction project. Contract 3 entails the middle and largest section of the $567 million New Britain-Hartford busway and includes 7 out of 11 stations serving the busway.
Client Contact Name / Title	Kenneth Fargnoli, Transportation District Engineer
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	ConnDOT
Contract Start Date	2008
Contract End Date	2012
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is responsible for providing construction engineering and inspection services for the reconstruction of I-95/I-91/CT Route 34 Interchange, Project No. 92-619, Contract E2, a $91 million interchange reconstruction project. The major component of the project includes the construction of a new ramp bridge to carry I-95 northbound traffic to Route 34 westbound.
Client Contact Name / Title	Mark Rolfe, Transportation District Engineer
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Note – Client Contact must be employee of Company

THE UNIVERSITY OF THE STATE OF NEW YORK
EDUCATION DEPARTMENT

THIS IS TO CERTIFY THAT HAVING MET THE REQUIREMENTS OF SECTION 7210 OF THE EDUCATION LAW AND IN ACCORDANCE THEREWITH THIS CERTIFICATE OF AUTHORIZATION IS GRANTED WHICH ENTITLES

GANNETT FLEMING ENGINEERS AND ARCHITECTS PC
ATTN FEFFREY D BRYSON
PO BOX 67100
HARRISBURG, PA 17106-7100

TO PROVIDE PROFESSIONAL ENGINEERING SERVICES IN THE STATE OF NEW YORK FOR THE PERIOD 01/01/2012 TO 12/31/2014.

DOUGLAS E LENTIVECH
DEPUTY COMMISSIONER
FOR THE PROFESSIONS

CERTIFICATE NUMBER
0008970

JOHN B KING JR
PRESIDENT OF THE UNIVERSITY
AND COMMISSIONER OF EDUCATION

Attachment C-2

Proposer Prerequisite B

Firms must have adequate staffing resources and have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area for construction projects valued, at a minimum, at $1.5 million.

* Note - Duplicate form as necessary *

Reference RFP Section II – Proposer Prerequisites
If Proposer is a common law joint venture, specify which entity's experience is being cited below to satisfy Prerequisite B.

Client Name/ Contracting Entity	PANYNJ
Contract Start Date	2012
Contract End Date	2014
Construction Value	To date: $26.8M
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing on-call expert professional construction management and related technical services to the PANYNJ. Tasks include performing constructability/biddability and general engineering reviews and providing construction staging services, developing and monitoring schedules; providing inspection services; administering construction documents; and providing cost engineering and estimating services.
Client contact Name / Title	Paul Salvatore, PE, Engineer of Construction, Contract Administration
Client Contact Email Address	psalvato@panynj.gov
Client Contact Phone Number	(201) 595-4892

Client Name/ Contracting Entity	NJDOT
Contract Start Date	2011
Contract End Date	2014
Construction Value	Approximately $30M
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing construction management, scheduling, and inspection services to New Jersey Department of Transportation for various projects related to Region Central construction.
Client contact Name / Title	George Carroll, Central Region Consultant Coordinator
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	NJDOT
Contract Start Date	2012
Contract End Date	2015
Construction Value	Approximately $30M
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing construction inspection and administration duties for various assignments, including miscellaneous bridge, highway, and drainage projects, for the New Jersey Department of Transportation's Region South.
Client contact Name / Title	Giresh Patel, Consultant Coordinator
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Note – Client Contact must be employee of Company

Attachment C-2

Proposer Prerequisite B

Firms must have adequate staffing resources and have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area for construction projects valued, at a minimum, at $1.5 million.

* Note - Duplicate form as necessary *

Reference RFP Section II – Proposer Prerequisites
If Proposer is a common law joint venture, specify which entity's experience is being cited below to satisfy Prerequisite B.

Client Name/ Contracting Entity	NJDOT
Contract Start Date	2011
Contract End Date	2015
Construction Value	Approximately $30M
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing construction management, scheduling, and construction inspection services to the New Jersey Department of Transportation for various projects in southern New Jersey for the years 2011 through 2014.
Client contact Name / Title	Jamie Marie Oplinger, PE, Supervising Engineer
Client Contact Email Address	[redacted]
Client Contact Phone Number	

Client Name/ Contracting Entity	NJDOT
Contract Start Date	2014
Contract End Date	2017
Construction Value	Approximately $30M
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing construction inspection on various assignments for the NJDOT as part of a three-year agreement. Our firm is providing inspection services for miscellaneous bridge, movable bridge, and tunnel projects.
Client contact Name / Title	Guy Harris Hill, Project Engineer Maintenance
Client Contact Email Address	[redacted]
Client Contact Phone Number	

Client Name/ Contracting Entity	New York City Department of Environmental Protection
Contract Start Date	2008
Contract End Date	2018
Construction Value	$1.5B
Brief description of Scope of work	Gannett Fleming Engineers and Architects, P.C. is providing construction management services for 14 construction contracts to upgrade the Newtown Creek Water Pollution Control Plant (WPCP). Work involves upgrades to the central residuals building and the Newtown Creek sludge barging facilities, modifications to the main building's northwest wing, and reconstruction of the Kingsland Avenue, South Battery, and South Control buildings.
Client contact Name / Title	Kevin Donnelly, Assistant Commissioner, Wastewater Capital Program
Client Contact Email Address	[redacted]
Client Contact Phone Number	

Note – Client Contact must be employee of Company

Attachment C-1

Proposer Prerequisite A

Firms must have Certificates of Authorization to practice Professional Engineering in the states of New York and/or New Jersey and minimum of five (5) years experience, from the date of proposal submission, which includes performing construction management services as outlined in Attachment A for major transportation facilities.

* Note - Duplicate form as necessary *

Reference RFP Section II – Proposer Prerequisites
If Proposer is a common law joint venture, specify which entity's experience is being cited below to satisfy Prerequisite A.

Client Name/ Contracting Entity	Port Authority of New York & New Jersey
Contract Start Date	2011
Contract End Date	2012
Brief description of Scope of work	Tectonic performed inspection services in compliance with the International Code Council for concrete field inspection and testing and core drilling under agreements #426-10-004 and spray-applied fire resistant materials (SFRM) used on structural members and assemblies under agreement #426-10-006 for the Freedom Tower at the World Trade Center.
Client Contact Name / Title	Mr. Joseph Marsano , Supervising Engineer -Materials Engineering Division
Client Contact Email Address	jmarsano@panynj.gov
Client Contact Phone Number	201-216-2986

Client Name/ Contracting Entity	New York State Department of Transportation
Contract Start Date	2011
Contract End Date	2014
Brief description of Scope of work	Tectonic provided Construction Management and Inspection Services under the three-year term agreement D030974 with a construction cost of over $20M for bridge replacement or rehabilitation and highway reconstruction projects varying in scope and duration throughout Region 8 Counties of Columbia, Dutchess, Orange, Putnam, Rockland, Ulster & Westchester.
Client Contact Name / Title	Mr. Scott Hubbard, Consultant Manager
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	MTA Bus Company
Contract Start Date	2012
Contract End Date	2013
Brief description of Scope of work	Under the IQ contract, Tectonic performed program and construction management services during the preconstruction, construction and close-out phases for the new fueling lane and bus washer at La Guardia Bus Depot in Queens, NY. Services included a focus on site safety, schedule and budget, critical and technical components of construction work, compliance, private utilities, etc.
Client Contact Name / Title	Mr. Thuraisinkam Premarajah, Project Manager
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Note – Client Contact must be employee of Company

THE UNIVERSITY OF THE STATE OF NEW YORK
EDUCATION DEPARTMENT

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TECTONIC ENGINEERING & SURVEYING CONSULTANTS PC
PO BOX 37
70 PLEASANT HILL RD
MOUNTAINVILLE, NY 10953-0000

TO PROVIDE PROFESSIONAL ENGINEERING SERVICES IN THE STATE OF NEW YORK FOR THE PERIOD 01/01/2012 TO 12/31/2014.

DOUGLAS E LENTIVECH
DEPUTY COMMISSIONER
FOR THE PROFESSIONS

CERTIFICATE NUMBER
0008901

JOHN B KING JR
PRESIDENT OF THE UNIVERSITY
AND COMMISSIONER OF EDUCATION

Attachment C-2

Proposer Prerequisite B

Firms must have adequate staffing resources who have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area for construction projects valued, at a minimum, at $1.5 million.

* Note - Duplicate form as necessary *

Reference RFP Section II – Proposer Prerequisites
If Proposer is a common law joint venture, specify which entity's experience is being cited below to satisfy Prerequisite B.

Client Name/ Contracting Entity	New York City Department of Design and Construction
Contract Start Date	2010
Contract End Date	2014
Construction Value	$1 Billion
Brief description of Scope of work	Tectonic provided construction inspection services for the $1.5 Billion construction of the New York Police Academy in College Point, Queens under our Requirements Contract RQ_A&E_2R for Cultural, Police, and Fire Facilities and Libraries, Citywide.
Client contact Name / Title	Ms. Kashona Forrester, Contract Manager
Client Contact Email Address	
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	MTA Bridges and Tunnels
Contract Start Date	2010
Contract End Date	2013
Construction Value	$50M
Brief description of Scope of work	Tectonic provided construction inspection services for TBTA facilities under its third, consecutive contract #GES-162. Services included shop and field inspections. Facilities included: Bronx Whitestone Bridge, Brooklyn Battery Tunnel, Cross Bay Bridge, Henry Hudson Bridge, etc.
Client contact Name / Title	Ms. Christine Chu, Senior Project Manager
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Client Name/ Contracting Entity	Dormitory of the State of New York
Contract Start Date	1996
Contract End Date	2015
Construction Value	$150M
Brief description of Scope of work	Tectonic provided construction inspection and geotechnical services for various State facilities under the multi-year Term Agreement which was renewed for another two-year term till 2015. Projects range from new building construction to additions and rehabilitations state wide.
Client contact Name / Title	Mr. Keith LaPlante, Project Manager
Client Contact Email Address	[redacted]
Client Contact Phone Number	[redacted]

Note – Client Contact must be employee of Company

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
2 MONTGOMERY STREET, 3RD FL.
JERSEY CITY, NJ 07302

7/3/2014

ADDENDUM #1

To prospective Proposer(s) on RFP # 38268 - REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

Now Due back on 7/14/2014, no later than 2:00PM

Originally due on 7/9/2014, no later than 2:00PM

This communication should be initialed by you and annexed to your Bid upon submission.

In case any Bidder fails to conform to these instructions, its Bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Gannett Fleming Engineers and Architects, P.C.

INITIALED: James R. Laurita James R. Laurita, PE, President

DATE: July 16, 2014

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

This communication should be initialed by you and attached to your Proposal.

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THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Tectonic Engineering & Surveying Consultants P.C.

INITIALED: _____

DATE: 7/9/2014

This communication should be initialed by you and attached to your Proposal.

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THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Gannett Fleming Engineers and Architects, P.C.

INITIALED: James R. Laurita, PE, President

DATE: July 16, 2014

Answer #43	Yes.
Question #44	In what manner will the sealed cost proposals be returned to unsuccessful proposer?
Answer #44	They will not be returned.
Question #45	a. Can the organization chart be submitted on 11x17 paper? b. Can the font on the organization chart be less than 12 pt.?
Answer #45	Yes.

This communication should be initialed by you and attached to your Proposal.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically attached and initialed.

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THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Gannett Fleming Engineers and Architects, P.C.

INITIALED: James R. Laurita, PE, President

DATE: July 16, 2014

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
2 MONTGOMERY STREET, 3rd FL.
JERSEY CITY, NJ 07302

July 10, 2014

ADDENDUM #4

TO PROSPECTIVE BIDDER(S) ON **RFP #38268** - REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

Now Due on 7/16/2014, no later than 2:00PM

Originally Due on 7/14/2014, no later than 2:00PM

This communication should be initialed by you and annexed to your proposal to the above-referenced upon submission.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically annexed and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Gannett Fleming Engineers and Architects, P.C.

INITIALED: James R. Laurita James R. Laurita, PE, President

DATE: July 16, 2014

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
2 MONTGOMERY STREET, 3RD FL.
JERSEY CITY, NJ 07302

7/3/2014

ADDENDUM #1

To prospective Proposer(s) on RFP # 38268 - REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

Now Due back on 7/14/2014, no later than 2:00PM

Originally due on 7/9/2014, no later than 2:00PM

This communication should be initialed by you and annexed to your Bid upon submission.

In case any Bidder fails to conform to these instructions, its Bid will nevertheless be construed as though this communication had been so physically annexed and initialed.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Tectonic Engineering & Surveying Consultant P.C. and Gannett Fleming, Inc.

INITIALED: AE

DATE: July 7, 2014

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

This communication should be initialed by you and attached to your Proposal.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically attached and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Tectonic Engineering & Surveying Consultants P.C.

INITIALED: _____

DATE: 7/9/2014

Answer #43	Yes.
Question #44	In what manner will the sealed cost proposals be returned to unsuccessful proposer?
Answer #44	They will not be returned.
Question #45	a. Can the organization chart be submitted on 11x17 paper? b. Can the font on the organization chart be less than 12 pt.?
Answer #45	Yes.

This communication should be initialed by you and attached to your Proposal.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically attached and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Tectonic Engineering & Surveying Consultants P.C.

INITIALED: _____

DATE: July 10, 2014

THE PORT AUTHORITY OF NY & NJ

PROCUREMENT DEPARTMENT
2 MONTGOMERY STREET, 3rd FL.
JERSEY CITY, NJ 07302

July 10, 2014

ADDENDUM #4

TO PROSPECTIVE BIDDER(S) ON **RFP #38268** - REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018

Now Due on 7/16/2014, no later than 2:00PM

Originally Due on 7/14/2014, no later than 2:00PM

This communication should be initialed by you and annexed to your proposal to the above-referenced upon submission.

In case any Bidder fails to conform to these instructions, its submission will nevertheless be construed as though this communication had been so physically annexed and initialed.

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO CORY MERMER, WHO CAN BE REACHED AT (212) 435-5696 or at cmermer@panynj.gov.

THE PORT AUTHORITY OF NY & NJ

RICHARD PEREZ
PROCUREMENT MANAGER
FTA/WTC SITE PROJECTS

BIDDER'S FIRM NAME: Tectonic Engineering & Surveying Consultants P.C.

INITIALED: AB

DATE: 7/10/2014

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Section A:
Firm's Qualifications and Experience

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

FIRM'S QUALIFICATIONS AND EXPERIENCE

The Gannett Fleming Engineers and Architects, P.C. and Tectonic Engineering & Surveying Consultants, P.C. Joint Venture has vast experience with the work required under all tasks of this indefinite quantity contract. Our firms bring a wealth of construction management and inspection service experience, as well as a successful track record, to this PANYNJ project. We have recently provided such services to a variety of transportation agencies throughout the Northeast region, including the PANYNJ.

This Joint Venture possesses the right combination of leadership and an in-depth knowledge of the services required to successfully execute this project. Gannett Fleming Engineers and Architects, P.C. and Tectonic Engineering & Surveying Consultants, P.C. have a longstanding, successful relationship as not only subconsultants to one another, but also as Joint Venture partners. Our recent successes and present relationship with PANYNJ will allow us to proceed with a familiar approach and no extra time, effort, or learning required. We are ready, willing, and able to deliver this project in a high-quality, efficient, and cost-effective manner. The following represents a sample of our recent, relevant projects.

GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C.

Performance of Expert Professional Construction Management and Related Technical Services as Requested on a Call-In Basis During 2011-2014

Name, address, point of contact, and telephone number:
Port Authority of New York and New Jersey, 2 Gateway Center, Newark, NJ 07102
Paul Salvatore, PE, (201) 595-4892

Project location: Various Locations, NY and NJ

Duration of the contract: 3 years

Dates: 2012-Present

Approx. $ amount of contract: $1.4M

Annual staff hours of full and part time labor expended in the performance of the contract:
2012: 1,964.50 hours, **2013:** 2,259.00 hours, **2014:** 1,182.50 hours

Representatives: Paul Salvatore, PE, (201) 595-4892

Gannett Fleming Engineers and Architects, P.C. is responsible for providing construction management and inspection for many of the PANYNJ facilities over this four year period. Projects are assigned on an as needed basis through task orders, and can include projects on bridges, tunnels, airports, seaport, or any of the Port Authority's buildings. Scope of work includes any discipline including, civil, structural, electrical/mechanical, architectural, marine and many others.

Our staff ensures the quality of construction in accordance with the contract plans and specifications and that the project adheres to applicable codes and standards of the PANYNJ. Gannett Fleming is responsible for consulting on technical issues, field resolutions, and recommendations during various stages of the projects. This project included the following assignments:

PN 954.801 - Demolition of Buildings 117,121 and 162
Project consisted of the demolition of three structures, removal of asbestos, plugging a flume with concrete, backfilling and grading and installation of a security fence. ($713,850.00)

PN 654.538 - Relocation of Sanitary Force Main and Replacement of PSE&G Duckbank at Berth 3
Project consisted of installation of a 8" steel pipe, installation of several manholes and handholes installing conduits from existing PSE&G manholes and conduits for a communications line, resurfacing the road and repairing curbs, fence and guardrails. ($1,123,000.00)

PN 954.901 - New Jersey Marine Terminals - Highway Advisory Radio System
Project consisted of installing concrete foundation for the electronic signs and the power supply cabinet, installing antenna, electronic signs relay equipment and underground conduits. ($1,009,512.00)

PN 654.031 - Berth 14 Wharf Reconstruction
Work consisted of demolition of the concrete sea wall, excavation of fill material, removal of damaged timber matting, installation of Gabian baskets filled with rocks in tiers, removal of damaged wooden piles and inspection of all piles. ($2,100,867.00)

PN 654.537 - Corbin St. Berth 3 Reconstruction
Project consisted of demolition of sea wall, removal of fill material, removal of force sewer main, relocation of utilities, driving piles, building a concrete slab, installing mooring points, paving and upgrading electric and lighting. ($22,000,000.00)

NJDOT Region Central Three Year Construction Inspection Term Agreement, Contract 2011BCM836F

Name, address, point of contact, and telephone number:
New Jersey Department of Transportation, 100 Daniels Way, Freehold, NJ 07728
George Carroll, [redacted]

Project location: Central New Jersey

Duration of the contract: 3 years

Dates: 2011-Present

Approx. $ amount of contract: $3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2011: 3,096.00 hours, **2012:** 2,995.00 hours, **2013:** 5,887.00 hours, **2014:** 3,455.00 hours

Representatives: George Carroll, [redacted]

Gannett Fleming Engineers and Architects, P.C. is providing construction management, inspection and scheduling services for this three year "On-call" type CM/CI contract. Our firm is responsible for responding to multiple simultaneous Task Orders for personnel required by NJDOT for various construction projects in Region Central over the three-year term agreement. Projects typically include road and bridge construction, rehabilitation or repair. Scopes of work can include, milling, asphalt paving, excavation, subbase/base/embankment placement, drainage repairs, concrete barrier placement, pavement markings and delineators, bridge deck/abutment/ pier and joint repairs, bridge deck waterproofing membrane, concrete vertical and sloping curb, sign structures, traffic signals, utilities, landscaping, and all related Maintenance and Protection of Traffic. Responsibilities include ensuring contractor meets compliance with NJDOT plans and specifications; reviewing all lab reports and enforcing corrective action on all defective material and workmanship; and ensuring that all correspondence, daily reports, test reports, material receipts, material submittals, permit approvals, and all documentation are filed properly with NJDOT. Assignments to date include: I-287 Reconstruction, Somerset County; Maintenance Roadway

Reconstruction-301, Monmouth County; I-295 Pavement Repair and Rehabilitation, Burlington County; and Route 31 Shabacong Creek Bridge Replacement, Hunterdon County.

We are also responsible for reviewing Primavera CPM schedules (in P3/P6) for various projects for conformance with NJDOT Scheduling standards and Specific Contract milestones, and making recommendations to Resident Engineer on approval, and any needed changes. Reviews include Primavera files and narrative reports for baseline schedules and monthly updates, and also include the use of "Claim Digger" software to assess logic and other monthly changes. Schedule review tasks completed to date include: Rt 35/36 Interchange Eatontown NJ (advance review); Route 184 Reconstruction project, Middlesex NJ; I-287 Reconstruction, Somerset County; and Rt 71/88 Barrier Gate Project.

NJDOT Region South Three Year Construction Inspection Term Agreement, Contract 2011MEO842C

Name, address, point of contact, and telephone number:
New Jersey Department of Transportation, One Executive Plaza, Route 70 West, Cherry Hill, NJ 08002
Jaime Marie Oplinger, PE, Supervising Engineer, [redacted]

Project location: Southern New Jersey

Duration of the contract: 3 years

Dates: 2011-Present

Approx. $ amount of contract: $3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2011: 1,200.50 hours, **2012:** 7,501.00 hours, **2013:** 6,497.00 hours, **2014:** 939.00 hours

Representatives: Jaime Marie Oplinger, PE, Supervising Engineer, [redacted]

Gannett Fleming Engineers and Architects, P.C. is providing services for this three-year, $3M, Construction Inspection Term Agreement. Our firm is assigning and managing multiple personnel as required by NJDOT on various construction projects in Region South through separate Task Orders, including the following:

- Maintenance Roadway Repair Contract South, S-105
- Maintenance Roadway Repair Contract South, S-106
- 2012 Pavement Preservation Contract
- 2011 Pavement preservation Contract
- Movable Bridge Repairs Projects 2011/2012/2013 – including repairs on Rt 130 Raccoon Creek Bridge, Rt 130 Oldmans Creek Bridge, Rt 50 Tuckahoe Creek Bridge, NJ Rt 44 Mantua Creek Bridge, NJ Rt 7 Hackensack River, Wittpenn Bridge; NJ Rt 71 Shark River Bridge, and NJ Rt 29 Tunnel Bridge, Trenton bridges.
- Maintenance Concrete Bridge Repairs Projects 2011/2012/2013
- Guiderail Repairs Contract
- Multiple Drainage Repair and Reconstruction Contracts

NJDOT Region South Three Year Construction Inspection Term Agreement, Contract 2012BCM887B

Name, address, point of contact, and telephone number:
New Jersey Department of Transportation, 1035 Parkway Avenue, PO Box 600, Trenton, NJ 08625
Giresh Patel, Consultant Coordinator, [redacted]

Project location: Southern New Jersey

Duration of the contract: 3 years

Dates: 2012-Present

Approx. $ amount of contract: $3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2012: 37.00 hours, **2013:** 1,907.50 hours, **2014:** 3,238.00 hours

Representatives: Giresh Patel, Consultant Coordinator, [redacted]

Gannett Fleming Engineers and Architects, P.C. is providing construction management and inspection services for this three-year, $3M, Construction Inspection Term Agreement. Responsible for assigning and managing multiple personnel required by NJDOT on various construction projects in Region South through separate Task Orders, including the following:

- 2013 Maintenance Roadway Repair Contract South, S-305
- Route 30/Grove Street Resurfacing contract
- I-295 Advance ITS Contract for"Direct Connect" CPM Schedule Review, Burlington County
- I-295 "Direct Connect" CPM Schedule Review, Burlington County
- Region South Long Life Pavement Contract
- Region South Bridge Painting Contract

NJDOT Three-Year Statewide Construction Inspection Agreement for Bridges, Movable Bridges, and Tunnels, Contract 2013MES949

Name, address, point of contact, and telephone number:
New Jersey Department of Transportation, 1035 Parkway Avenue, PO Box 600, Trenton, NJ 08625
Ray Kauffman, [redacted]

Project location: Statewide, New Jersey

Duration of the contract: 3 year

Dates: 2014-Present

Approx. $ amount of contract: $3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2014: 2,849.50 hours

Representatives: Ray Kauffman [redacted]

Gannett Fleming Engineers and Architects, P.C. is providing construction inspection on various assignments for the New Jersey Department of Transportation as part of a three-year agreement. Our firm will provide inspection services for miscellaneous bridge, movable bridge, and tunnel projects. Projects have included:

- Construction inspection and support services for Movable Bridge repair projects for NJ Rt. 7 Wittpenn Bridge; NJ Rt. 71 Shark River Bridge; and Rt. 88/13 Point Pleasant Canal Bridge;
- Construction inspection and support services for Movable Bridge repair projects for NJ Rt. 47 Grassy Sound Bridge, NJ Rt. 7 Wittpenn Bridge; and Rt. 130 Raccoon Creek Bridge;
- Construction inspection and support services for Movable Bridge repair projects for NJ Rt. 71 Shark River Bridge, Rt. 88/13 Point Pleasant Canal Bridge;
- Field inspection and support services Statewide for Bridge Maintenance Structural Steel and Aluminum Repair Contract; and
- Field inspection and support services Statewide for Bridge Concrete Repair Contract.

Construction Management Services for the Hudson Line Stations

Name, address, point of contact, and telephone number:
Metro-North Railroad, 347 Madison Avenue, New York, NY 10017
Geoff Dopsch, Assistant Director of Facilities Engineering, [redacted]

Project location: Westchester County, NY

Duration of the contract: 7 years

Dates: 2004-2011

Approx. $ amount of contract: $1.7M, $5.4M

Annual staff hours of full and part time labor expended in the performance of the contract:
2004: 314.00 hours, **2005:** 2,589.50 hours, **2006:** 3,237.00 hours, **2007:** 9,807.50 hours, **2008:** 16,364.00 hours, **2009**: 12,863.00 hours, **2010:** 10,021.00 hours, **2011:** 2,021.00 hours

Representatives: Geoff Dopsch, Assistant Director of Facilities Engineering, [redacted]

Gannett Fleming Engineers and Architects, P.C. performed construction management services for the rehabilitation of 16 commuter rail stations on the MNR Hudson Line and the restoration of Historic Yonkers Station Building. Services include contract administration, quality assurance to substantiate that the work performed by the contractor meets the contract intents and designs, the processing and verification of the contractor's monthly payment request, review and maintenance of the project schedule, coordination with local communities and municipalities, project progress meetings, preparation of monthly progress reports, review of as-built documents, and contract close-out.

The Hudson Line Station Rehabilitation project consists of the staged replacement of 200,500 LF of high-level platforms, 9,300 LF of canopies, twelve pile-supported elevators, six new elevators, seven new pedestrian overpasses, rehabilitation of three existing overpasses, stairs, railings, rehabilitation of three undergrade bridges including bridge abutment repairs, bridge bearings replacement and structural repair to bridge stringers and girders, construction of 600 LF of retaining walls, rehabilitation of the existing retaining walls, construction of Doublewall system retaining wall, new heated shelters, electrical upgrades, improved lighting, variable-message sign system, public address system, station amenities, and landscaping. Stations on the Hudson Line include Morris Heights, University Heights, Marble Hill, Spuyten Duyvil, Riverdale, Ludlow, Yonkers, Glenwood, Greystone, Hastings-on-Hudson, Dobbs Ferry, Ardsley-on-Hudson, Irvington, Philipse Manor, Scarborough, and Ossining Stations, and the implementation of parking area improvements.

Work at the Historic Yonkers Station Building included major improvements of the station building, Yonkers is a Beaux Arts style station built in 1911 by the New York Central Railroad. It was designed by the noted

architectural firm of Warren and Wetmore and is eligible for listing on the State and National Register of Historic Places. Some of the items for the Yonkers Station Restoration included:

- Repair of intricate terracotta cornice, oak benches, and domed ceiling;
- Replacement of all exterior doors and windows;
- Repair of all exterior masonry;
- New tuck pointing;
- Replication and installation of single remaining chandelier;
- Replace all roofing, including fascia, leaders and gutters;
- Replication and installation of four missing chandeliers in their original locations;
- Replication and installation of historic clock above the ticket windows;
- Creation of a portal on the west wall opening onto a new riverfront esplanade; and
- New glass-enclosed elevators with a river view.

Construction Engineering and Inspection Services for New Britain-Hartford Busway, CT Fastrak Contract 3, Project Nos. 63-643/ 93-180

Name, address, point of contact, and telephone number:
Connecticut Department of Transportation, 359 South Main Street, Thomaston, CT 06787
Michael Mendick, [redacted]

Project location: West Hartford and Newington, CT

Duration of the contract: 3 years

Dates: 2012-Present

Approx. $ amount of contract: $14M

Annual staff hours of full and part time labor expended in the performance of the contract:
2012: 16,204.50 hours, **2013:** 28,785.50 hours, **2014:** 13,377.00 hours

Representatives: Michael Mendick, [redacted]

Our firm is providing construction engineering and inspection services associated with all of the structures on a $130.6 million bus rapid transit construction project. The project (Contract 3) entails the middle and largest section of the $567 million New Britain-Hartford Busway. It is being constructed partially along abandoned railroad right-of-way and partially along active Amtrak right-of-way. The Contract 3 projects consists of the construction of seven out of 11 stations serving the busway, and faces the challenges of coordinating with Amtrak and seven designers of record, four other adjacent construction projects, contract schedules with multiple milestones, geotechnical issues, structural (bridges) construction in congested downtown areas, and environmental concerns. Project 63-643 will replace the at-grade crossing on Flatbush Avenue with a gradeseparated crossing. This requires a bridge over the Amtrak right-of-way and embankment approaches to the bridge. The construction of these embankment approaches will require the use of wick drains, pile foundations, and installation of Geofoam lightweight fill to accommodate the existing soil conditions. Project 93-180 will construct the busway from Cedar Street in Newington to Sigourney Street in Hartford.

This requires the construction of more than five miles of roadway, 44 retaining walls, eight new bridges, approximately eight miles of drainage including drainage pipe jacking under the active Amtrak railroad, seven stations, wetland mitigation, and a gravel access road for Amtrak.

Reconstruction of I-95/I-91/CT Route 34 Interchange, Project No. 92-619, Contract E-2

Name, address, point of contact, and telephone number:
Connecticut Department of Transportation, 140 Pond Lily Avenue, P.O. Drawer L, New Haven, CT 06525
Mark D. Rolfe, District Engineer, [redacted]

Project location: New Haven, CT

Duration of the contract: 4 years

Dates: 2008-2012

Approx. $ amount of contract: $9.3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2008: 2,843.00 hours, **2009:** 20,570.00 hours, **2010:** 25,969.50 hours, **2011:** 24,884.50 hours, **2012:** 3,810.50 hours

Representatives: Mark D. Rolfe, District Engineer, [redacted]

Gannett Fleming Engineers and Architects, P.C. is providing construction engineering and inspection services for this interchange reconstruction project in New Haven, CT. A major component of the project includes the construction of a new ramp bridge to carry I-95 northbound traffic to Route 34 westbound and to downtown New Haven. The new bridge replaces an existing left-hand exit ramp and bridges. A twin steel box-girder bridge spanning over both directions of I-95 requires nighttime steel erection using 20-minute traffic stoppages.

The project includes the staged construction widening and replacement of two existing Route 34 and I-95 bridges and the vertical realignment and widening of the converging I-91 and I-95 southbound ramps to Route 34 westbound. Ten new retaining walls will be constructed to support the new ramp alignments and relocate the I-95 entrance and exit ramps. The retaining walls use an architectural form liner to simulate stone. The project also includes the installation of approximately 600 precast, concrete friction piles for new foundations; extensive use of lightweight fill for embankment construction; installation of new highway drainage; illumination; signalization; and incident management system installations.

An Internet collaboration server-based project management system is used for all project correspondence and electronic submittal and review. The construction contract requires a contractor-prepared quality control management plan. This is one of several major contracts that are underway simultaneously as part of a coordinated $2 billion I-95 corridor improvement program which is being implemented in the New Haven area.

Project features include: maintenance of average daily traffic of more than 140,000 vehicles on I-95; construction of a new twin steel box-girder ramp bridge; staged construction widening and replacement of two existing bridges; vertical realignment and widening of converging I-91/I-95 southbound ramps to Route 34 westbound; construction of ten retaining walls with architectural form liners to simulate stone; installation of 600 precast concrete friction piles; embankment construction using lightweight fill; inspection of highway drainage installations; relocation of the overhead signs onto new sign supports; installation of a new incident management system (IMS) and illumination along I-95.

Project 92-533/569, Contract C-2, Reconstruction of I-95 from Stiles Street to the New Haven/East Haven Town Line

Name, address, point of contact, and telephone number:
Connecticut Department of Transportation, 2800 Berlin Turnpike, Newington, CT 06131
Mark D. Rolfe, [redacted]

Project location: New Haven and East Haven, CT

Duration of the contract: 4 years

Dates: 2005-2009

Approx. $ amount of contract: $7.3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2005: 3,892.00 hours, **2006:** 20,166.00 hours, **2007:** 24,681.50 hours, **2008:** 15,378.00 hours, **2009:** 45 hours

Representatives: Mark D. Rolfe, [redacted]

Gannett Fleming Engineers and Architects, P.C. performed a technical inspection and administration of the $70 million reconstruction and widening of I-95 project in New Haven. One of the major components of this project included staged construction for the widening of I-95 between the frontage roads in East Haven and the east approach of the Pearl Harbor Memorial Bridge in New Haven while maintaining average daily traffic of more 140,000 vehicles.

The project included the replacement of four flyover bridges over I-95, the construction of a new interchange and connector roadways, the replacement of I-95 mainline bridges, and the construction of more than 1,500 meters of retaining walls that use an architectural form liner to simulate stone. The project also included drilled shafts for pier foundations; more than 200,000 cubic meters of fill embankments for the new interchange and connector roadways; new highway drainage, illumination, and signalization; and incident management system (IMS) installations. This project was one of several major contracts that are part of a coordinated $2 billion I-95 corridor improvement program being implemented in the New Haven area. Multiple contracts are underway simultaneously.

Construction Engineering and Inspection for the Reconstruction of Route 7, Project No. 34-260, Phase 2

Name, address, point of contact, and telephone number:
Connecticut Department of Transportation, 359 South Main Street, Thomaston, CT 06787
Lewis Cannon, [redacted]

Project location: Danbury and Ridgefield, CT

Duration of the contract: 3 years

Dates: 2009-2012

Approx. $ amount of contract: $5.2M

Annual staff hours of full and part time labor expended in the performance of the contract:
2009: 14,211.00 hours, **2010:** 15,919.00 hours, **2011:** 11,231.50 hours, **2012:** 1,138.00 hours

Representatives: Lewis Cannon, [redacted]

Gannett Fleming is providing construction engineering and inspection services for the reconstruction of 2.1 miles of roadway beginning north of Starrs Plain Road and ending north of the Route 7 and Wooster Heights Road interchange in Danbury. U.S. Route 7 is classified as a principal urban arterial roadway for the primary north/south route in western Fairfield County. This is a continuation of the Phase 1 project to address capacity, operational, and safety deficiencies by improving the horizontal and vertical alignment. The roadway is being widened to two lanes in each direction. Because Route 7 is built in a narrow valley, much of the road has steep slopes on one side and wetlands on the other side. Impacts to wetlands are being minimized as much as possible. Wetland mitigation sites were constructed during Phase 1 activities to compensate for impacts between this project and the previous two miles.

Project Features:

- Construction (315 meters) of pile supported roadway above a wetland with an excess of 1,000 drilled and driven concrete piles
- Construction (96 meters) of pile supported embankment through a portion of wetland using timber driven piles
- Construction of a two lane, single span bridge over a local road
- 100,000 cubic meters of excavation
- Installation of new closed and open storm drainage systems
- Installation (3000 meters) of pavement underdrains
- Construction of a concrete masonry wall with an architectural form liner
- Installation of a new incident management system (IMS) at six locations along Route I-84 and one site on Route 7
- Relocation of overhead and underground utilities

Newtown Creek Water Pollution Control Plant Construction Management Services

Name, address, point of contact, and telephone number:
New York City Department of Environmental Protection, 90-65 Horace Harding Expressway, 5th Floor, Corona, NY 11368
Kevin Donnelly, Assistant Commissioner, Wastewater Capital Program, [redacted]

Project location: Brooklyn, NY

Duration of the contract: 10 years

Dates: 2008-Present

Approx. $ amount of contract: $1.4M

Annual staff hours of full and part time labor expended in the performance of the contract:
2008: 4,162.00 hours, **2009:** 11,285.00 hours, **2010:** 13,490.50 hours, **2011:** 18,825.00 hours, **2012:** 18,418.50 hours, **2013:** 23,127.50 hours, **2014:** 10,233.00 hours

Representatives: Kevin Donnelly, Assistant Commissioner, Wastewater Capital Program, [redacted]

Gannett Fleming is providing construction management services for 14 construction contracts to upgrade the Newtown Creek Water Pollution Control Plant (WPCP). Work involves upgrades to the central residuals building and the Newtown Creek sludge barging facilities, modifications to the main building's northwest wing, and reconstruction of the Kingsland Avenue, South Battery, and South Control buildings.

The New York City Department of Environmental Protection's Newtown Creek WPCP upgrade is under a consent order from the U.S. Environmental Protection Agency and the New York State Department of Environmental Conservation. Several construction and operational consent order deadlines must be met during this contract term.

The WPCP, located in Brooklyn's Greenpoint section, is undergoing a major, long-term upgrade that began in 1999. Our firm will provide construction management services during Phase 3 of the upgrade program, scheduled for completion in 2018.

Renovation of PSE&G Electrical Substation Control Buildings

Name, address, point of contact, and telephone number:
PSE&G, 4000 Hadley Road, South Plainfield, NJ 07080
Gino J. Leonardis, PMP, Senior Project Manager, [redacted]

Project location: East Rutherford and Ridgefield, NJ

Duration of the contract: 2 years

Dates: 2012-2014

Approx. $ amount of contract: $3.3M

Annual staff hours of full and part time labor expended in the performance of the contract:
2012: 1,041.00 hours, **2013:** 4,806.50 hours, **2014:** 30 hours

Representatives: Gino J. Leonardis, PMP, Senior Project Manager, [redacted]

Gannett Fleming is currently completing a $600,000 construction management contract for PSE&G for the renovation of 2 existing electrical substation control buildings. Project scope consists of asbestos abatement, the demolition of existing doors and frames, removal of existing windows, toilet partitions and accessories and the furnishing and installation of a concrete stone veneer wall system, insulated metal wall panels, painting of interior walls and ceilings, new doors and frames, VCT and vinyl base, terrazzo floor repairs, window security screens, toilet partitions and accessories, roofing repairs, roof ladder, roof parapet metal coping, lighting and devices, plumbing fixtures, sump pumps and thru wall fans and ductless split system air conditioners. Gannett Fleming was responsible for monitoring contractors' work for compliance with contract documents, prepared daily and weekly progress reports, reviewed contractor payment requisitions and coordinated with client on staging of work in occupied buildings.

TECTONIC ENGINEERING & SURVEYING CONSULTANTS, P.C.

PANYNJ Call-In Agreements #426-10-004 and #426-10-006
Professional Materials Testing and Inspection Services for the Freedom Tower

Name, address, point of contact, and telephone number:
Port Authority Technical Center, 241 Erie Street, Room 234, Jersey City, NJ 07310-1397
Casimir J. Bognacki, PE, (201) 216-2984

Project location: Manhattan, NY

Duration of the contract: 6 years

Dates: 2009-2014

Approx. $ amount of contract: $1.4M

Annual staff hours of full and part time labor expended in the performance of the contract:
4,000 hours

Representatives: Casimir J. Bognacki, PE, (201) 216-2984

Tectonic Engineering & Surveying Consultants, P.C. is providing inspection and testing services in compliance with the International Code Council for concrete field inspection and testing, and core drilling under agreement #426-10-004 and spray-applied fire resistant materials (SFRM) used on structural members and assemblies under agreement #426-10-006.

Concrete services involve:

- Portland Cement concrete field testing by ACI Certified technicians.
- Portland Cement concrete placement inspectors by ACI Certified Special Inspectors.
- Portland Cement concrete laboratory testing by ACI Certified Concrete Strength Testing technicians.
- Precast and prestressed concrete inspections at the plants following the quality control program for plants and production of precast and prestressed concrete products.
- Core drilling; sampling and handling procedures as defined in A.S.T.M. C 42.

Documents are prepared according to our approved quality control/assurance program.

MTA/NYCTA No. 7 Line Extension, Contract C-26503, Construction of Running Tunnels, C-26510: Site J Vent Building, and C-26505, Install Systems and Finishes

Name, address, point of contact, and telephone number:
MTA/NYCTA Capital Construction, S3 II Tunnel Constructors, JV, 21 Penn Plaza, Suite 702, New York, NY 10001
Orlando Espinoza, [redacted]

Project location: Manhattan, NY

Duration of the contract: 2 years

Dates: 2010-2012

Approx. $ amount of contract: $400,000

Annual staff hours of full and part time labor expended in the performance of the contract:
2,400 hours

Representatives: Orlando Espinoza, [redacted]

Tectonic Engineering & Surveying Consultants, P.C. is providing geotechnical and special inspection/materials testing services for the $1.1 Billion construction of the No. 7 Line running tunnels, Site A Vent Building, Site J Vent Building and furnishing and installing systems and finishes for the new expansion. The project involves the construction of 7,000FT of two 22FT diameter running tunnels, and the construction of two new subway stations at Tenth Avenue/41st Street and 34th Street/11th Avenue near the Hudson Yard on the West Side of Manhattan. Construction of the new running tunnels and station involves extensive rock excavation using conventional drill and blast methods and tunnel boring machines (TBM's) to carve out the caverns to accommodate the new station. Ancillary work involves the installation of drilled shafts, rock anchors, rock bolts and shotcrete to support the excavated faces. Other aspects of the work includes complete above and below grade construction of the Sites A & J Vent Buildings and installation of all the systems and finishes including trackwork and signalization, escalators, elevators, etc.

As representative for MTA, Tectonic is a sub consultant to the joint venture contractor, Skanska Railworks JV, responsible for performing geotechnical special inspections and third party materials laboratory testing. Responsibilities include blast and vibration monitoring, review of vibration mitigation plans, geologic mapping of excavated faces, inspection of rock reinforcement including rock bolts and passive dowels, inspection of subgrades, witnessing and monitoring of rock anchor testing including water pressure testing of anchor boreholes, inspection of rock drains, inspection of final shotcrete placement, underpinning, boring inspection, and logging of exploratory probe holes. Tectonic is also providing special inspections, laboratory testing and QA/QC services during the excavation for the tunnels and caverns, dewatering, tunnel lining and construction of structures involving field and plant inspection and testing of concrete, shotcrete, structural steel, masonry, grouting, fireproofing, mechanical/ventilation systems and electrical systems, etc. Tectonic is also responsible for development of shotcrete qualifications testing program including preparation of design mixes and performance of laboratory and field trial tests. Other duties include preparation of daily, weekly and monthly inspection reports, attendance at progress meetings and liaison with onsite MTA representatives.

REI Services for Contracts HWSEMERG1, HWSEMERG2, & HWSEMERG3: Emergency Sidewalk Repairs

Name, address, point of contact, and telephone number:
NYCDDC, 30-30 Thomson Avenue, Long Island City, NY 11101-3045
Eric C. Macfarlane, PE, [redacted]

Project location: Brooklyn, Queens, Staten Island, and Manhattan, NY

Duration of the contract: 4 years

Dates: 2010-2012

Approx. $ amount of contract: $4.5M

Annual staff hours of full and part time labor expended in the performance of the contract:
20,000

Representatives: Bob Yueh, [redacted]

Tectonic Engineering & Surveying Consultants, P.C. provided Resident Engineering Inspection services for the Emergency Sidewalk Repairs contracts with NYCDDC to oversee the reconstruction of sidewalks and curbs pulled up by fallen trees caused by the 2010 Tornado and the subsequent property damage caused by Hurricane Irene in 2011 and Hurricane Sandy in October of 2012.

Tectonic provided administration and inspection services to facilitate timely repairs and ensured the quality of the Contractor's reconstruction work. Scope of work included the removal of fallen/damaged trees and tree stumps, replacing the storm damaged sidewalks, streets, bus stops, curbs, grass areas, pedestrian ramps, and associated infrastructure sewer drains, service and water service connections and hydrants.

Repair efforts were quickly coordinated as soon as debris was removed from the affected areas. Priority was given to severely damaged areas across Brooklyn, Queens, Manhattan and Staten Island. During the recovery efforts in connection to Hurricane Sandy, Tectonic mobilized eighteen people in a matter of two days to cover the activities of three contractors, each with multiple crews performing work over an expansive area of the City.

KS ENGINEERING, P.C.

Performance of Expert Professional Construction Management Services (MBE/WBE) on a "Call-In" Basis 2007, 2008 and 2009

Name, address, point of contact, and telephone number:
PANYNJ, 241 Erie Street, Room 228. Jersey City, NJ 07310-1397
James Starace, Deputy Director of Engineering, (212) 435-7449

Project location: Various Locations, NY and NJ

Duration of the contract: 2 years

Dates: 2007-2009

Approx. $ amount of contract: $1.2M

Annual staff hours of full and part time labor expended in the performance of the contract:
13,000 hours

Representatives: James Starace, Deputy Director of Engineering, (212) 435-7449

Services provided under this contract generally consisted of performing construction management and inspection services of structural steel, structural concrete, asphalt and concrete paving, painting of structural steel, electrical, mechanical, construction contract administration, constructability review, construction scheduling, and cost estimating. To date, KS Engineers, P.C. has been given the following construction management assignments under this "Call-In" agreement:

- **EWR 264.003 – Lower Level Expansion and B-1 Circulation** – Provided Project Scheduler. The scope of work of this contract was to develop the at-grade space in Terminal B into a new domestic baggage claim hall on the lower level of Terminal B, including two new substations. Approximate contractual amount of $53M.
- **LGA 124.029, ARFF –** Provided Assistant Resident Engineer responsible for electrical/mechanical building construction at the ARFF project and for work on other general LGA contracts, including volume of electrical/mechanical work, such as a High Pressure Water Storage and Pump Station.
- **NJ Marine Terminal –** Provided Civil Inspector for monitoring activities at Marine Terminal construction sites. The work included installation, testing, and inspecting civil works. KSE provided oversight to ensure that construction progresses as scheduled and contract specifications are adhered to.
- **EWR, CTA Toll Plaza & Terminal B Renovations** – Provided Electrical Inspector responsible for the inspection of the installation and/or commissioning of electrical equipment (including high tension), communication and fire alarm systems, and electrical rehabilitation of existing building systems (including switchgears, switchboards, emergency generators, and fire alarm systems).
- **PANYNJ Office of the Engineer of Construction** – Provided Contract Specialist responsible for the collection of construction data from all Port Authority construction projects and producing reports on various construction management subjects.
- **PATH** – Provided Electrical Construction Inspector responsible for the oversight of multiple discipline work performed by numerous contractors on the PATH railroad system. Work assignments include the rehabilitation of electrical power and lighting equipment, system upgrades for alarm and communication equipment, and site work at stations, rail yards, and tunnels.

- **New York Marine Terminal, Howland Hook & Teterboro Airport, PIDS** – Provided Senior Inspector responsible for building demolition at Howland Hook and the inspection and testing phase of the Perimeter Intrusion Detection System at Teterboro Airport, which involved fencing sensors and a radar system.
- **Howland Hook/Brooklyn Piers** – Provided Senior Office Engineer responsible for various construction projects at Howland Hook/Brooklyn Piers, Port Authority Teleport and selective contracts at airport locations, with a construction cost of up to $150 million. Responsibilities also include processing of contractor requisitions and verifying labor, equipment, and materials.

Construction Management for No. 7 Subway Line Extension Project

Name, address, point of contact, and telephone number:
MTA Capital Construction, NYC Transit, Peter Turton, Project Director, [redacted]

Project location: Manhattan, NY

Duration of the contract: 7 years

Dates: 2007-Present

Approx. $ amount of contract: $4M

Annual staff hours of full and part time labor expended in the performance of the contract:
7,000 hours

Representatives: Peter Turton, Project Director, [redacted]

KS Engineers, P.C. is presently working in the tunnel under the Street level Site "A" that is located on the East Side at 11th Avenue between 25th and 26th Streets, as shown in the above picture. Work in this area includes deck and concrete edge pans, safety lines, temporary lights, and tower stairs. We are also working on Site "P", located on the East Side at 11th Avenue between 34th and 35th Streets, as shown in the picture below. This project includes coordination between the contractor and the MTA Capital Construction (MTACC) Construction Manager.

KS Engineers, P.C. is providing construction management services for this project that will extend the No. 7 Line westward under West 41st Street and southward under Eleventh Avenue to the southerly terminus at West 25th Street. The extension provides a 7,100-foot-long, two-track railroad with two lay-up tracks for the storage of six trains. It also provides two new stations, one at West 41st Street and Tenth Avenue and a two-track terminal station on Eleventh Avenue at West 34th Street.

Construction Quality Assurance and Construction Engineering and Inspection Services for the Goethals Bridge Replacement Project

Name, address, point of contact, and telephone number:
NYNJ Link Developer LLC, 125 West 55th Street, New York, NY 10019-5369
Luke Chenery, [redacted]

Project location: Manhattan, NY

Duration of the contract: 5 years

Dates: 2013-2018

Approx. $ amount of contract: $11.8M

Annual staff hours of full and part time labor expended in the performance of the contract:
7,171 hours (to date)

Representatives: Luke Chenery, [redacted]

The Goethals Bridge Replacement project is the Port Authority's first new major bridge replacement in more than 80 years, and it is the first surface transportation public-private partnership (PPP) in the Northeast Region. The $973 million, 40-year, design-build-finance-maintain contract will replace the Goethals Bridge and approach roadways with a new alignment which will consist of the construction of a cable-stayed bridge over the Arthur Kill south of the existing bridge. The new bridge will contain six 12-foot wide travel lanes, three lanes in each direction; a 12-foot wide outer shoulder and a five-foot wide inner shoulder on each roadway; a 10-foot wide sidewalk/bikeway along the northern edge of the New Jersey-bound roadway; and a central area to be maintained between the eastbound and westbound roadway decks, sufficient to accommodate the provision of future transit service. It also will provide state-of-the-art bridge technology, including Roadway Weather Information Systems that will collect environmental data such as wind speed, visibility, and pavement temperature. There will also be a Traffic Detection System that will use sensors embedded in the roadway to provide alerts on traffic build-up and incident responses.

KS Engineers, P.C. was retained as the lead consultant by the Developer (NYNJ Link Developer LLC) of this PPP project, to provide independent Construction Quality Assurance and Construction Engineering and Inspection services.

Section B:
Staff Qualifications and Experience

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

STAFF QUALIFICATIONS AND EXPERIENCE

The Gannett Fleming Engineers and Architects, P.C. and Tectonic Engineering & Surveying Consultants, P.C. Joint Venture has put together a Team capable of performing all of the tasks required under this contract. Our Project Team will be led by **Project Manager James T. Gibbons,** a seasoned Manager of Construction Services with 27 years of experience. Mr. Gibbons directs operations throughout the area; provides overall project management services; and serves as a liaison with the PANYNJ. **His recent experience with the PANYNJ includes providing overall contract supervision services for the 2011-2014 On-Call Construction Inspection contract.**

Mr. Gibbons will be supported by **Deputy Project Manager Reza Marandi, PE, CCM,** a Director of Construction Management at Tectonic Engineering & Surveying Consultants, P.C. Mr. Marandi is a Professional Engineer with 30 years of experience managing multi-million dollar capital construction projects. His former role as was Chief of Water Quality, Wastewater Facilities, and In-House Design Projects for the NYCDEP, where he was in charge of the three largest construction programs. Mr. Marandi will support Mr. Gibbons, and enable our Team to complete any project required under this contract.

We have assembled a Team of highly qualified construction managers, resident engineers, certified inspectors, schedulers, and cost estimators who have a wealth of relevant experience. Our team members have served on a number of projects for New York State and New York City agencies, and have recently provided these services to the PANYNJ, PATH, NYSDOT, NYCDOT, NYCSCA, NYCDDC, NYCHA, and more. Our combination of relevant experience and our familiarity with the PANYNJ leaves no doubt that our Team is the most qualified for this task order.

SUBCONSULTANTS

Our Team is structured to best serve the PANYNJ. To this end, we are including three DBE-certified subconsultant firms and one non-DBE firm that have the expertise to support and enhance our services. These firms have been organized to provide the "best of the best" in the roles that fit each firm and capitalize on their similar experience. Each of our subconsultant firms have been added to the Team based on their relevant experience, task expertise, and value that they will add to our services.

KS Engineers, Inc. (DBE) is a multidisciplinary engineering firm providing construction management/monitoring and inspection, civil engineering, structural engineering, geotechnical engineering, landscape architecture, aerial mapping ground control, boundary survey, topographic survey, right-of-way, and GPS mapping services to various governmental clients at the state, federal, and local level, as well as to private clients. The firm provides comprehensive construction management, inspection, and monitoring services on key projects in the region. KS Engineers, Inc. has a longstanding relationship with the PANYNJ and is intimately familiar with PANYNJ project management, design, and CAD standards. The firm has several active Call-In Agreements with the PANYNJ, including agreements for construction management services and condition inspection services. Their intimate knowledge of the PANYNJ and successful experience on contracts of this type will only serve to support and enhance the services required under this contract.

Our Team will also be supported by **VRX, Inc. (DBE), Toll International, LLC (DBE), and New York Professional Services One, LLC.** These firms will provide personnel to support our schedule development and monitoring, quality assurance inspection, and cost engineering/estimating services, as necessary.

BIOS OF KEY PERSONNEL

Our Team is comprised of key personnel who have repeatedly proven their ability to deliver a wide variety of construction management and inspection services to our clientele. Our staff's familiarity with this contract's potential scope of work, as well as with PANYNJ requirements and procedures, uniquely qualifies our Team to provide the services requested under this task order. Brief biographies of our key staff members are provided below, with resumes for all personnel at the end of this section. As indicated on our organization chart on page 8 of **Section C – Management/Technical Approach,** Tectonic Engineering & Surveying Consultants, P.C. are indicated by (T), and K.S. Engineers, P.C. personnel are indicated by (KSE).

Project Management

Charles R. Norrish, III, PE is a Vice President, Regional Office Manager, and Regional Construction Manager responsible for providing services in the Northeast Region. He has 41 years of experience, and as such, is responsible for directing operations throughout the area, has overall project management responsibilities, serves as a liaison with departments of transportation and other agencies, and assigns personnel. Mr. Norrish will serve as a Principal-in-Charge of this contract.

Walter A. Gross, PE (T) is Vice President of Tectonic Engineering & Surveying Consultants, P.C.'s infrastructure division, and presents over 30 years of experience with public works, water supply, waste water treatment, and solid waste engineering projects, applying civil engineering site design and program management experience. He has successfully managed numerous projects for NYC agencies from design to construction. His management responsibilities include defining work scopes, allocating resources, overseeing the project team, supporting technical design, and managing construction oversight. Serving as another Principal-in-Charge for this contract, Mr. Gross will work together with Mr. Norrish to support the Project Manager, and provide oversight for each project awarded.

Doreen M. Bartoldus, PE, CCM, LEED GA, ENV SP will provide QA/QC Management services for this contract. Ms. Bartoldus is a Vice President of Regional Construction Services with 35 years of experience, and is responsible for water, wastewater, and facility construction management initiatives. She participates in complex, multi-phase, multi-prime construction contracts, involving design, resident engineering, construction management, design liaison, quality control inspection and testing, and project management. Her expertise also encompasses construction management of multi-prime and billion dollar construction projects incorporating a wide variety of facilities.

Edward Torossian, PE (T) is the Corporate Director of QA/QC and Independent Audits at Tectonic Engineering & Surveying Consultants, P.C., and will provide training and Quality Assurance/Vendor oversight as a QA/QC Manager for this contract.

TASK A/TASK B – Constructability/Bidability and General Engineering/Construction Staging

John D. Purdy, PE will provide oversight of the Constructability and General Engineering tasks. He is a Facilities Group Manager responsible for managing and directing the multidiscipline design of buildings, other facilities, and bridges and the complete development of plans and specifications for conceptual, preliminary, and final phases of projects. He is also responsible for contract compliance, budgets, schedules, and the coordination of project disciplines and subconsultants. **Mr. Purdy is an invaluable addition to our Team, as he has experience working with PANYNJ since 1986.**

Brian W. Dorr, PE is a Project Manager with 22 years of experience responsible for all facets of highway and interchange construction projects, as well as site development projects. His experience includes geometric

designs, traffic control and staging, utility relocations, construction cost estimates, signing, permitting, earthwork calculations, soil erosion, right-of-way engineering, and construction support.

James A. Upright, PE (T) James Upright will be responsible for Tasks A and B for this IQC. Mr. Upright currently holds the position of Senior Engineer at Tectonic Engineering & Surveying Consultants, P.C. His duties include analyzing environmental data and GIS data, preparation of environmental reports, and general environmental engineering oversight. Mr. Upright is a New York State licensed Professional Engineer with over twenty years of experience.

TASK C – Schedule Development and Monitoring

David M. Gorski, EIT will provide Schedule Development and Monitoring Services for this contract. Mr. Gorski is a Senior Project Scheduler with 44 years of experience, and is responsible for developing and monitoring project design and construction schedules using Primavera Project Planner (P3, P6)/SureTrak, Microsoft Project, and Open Plan software; providing document control services; developing project and change order engineer's estimates; developing computer-applicable tracking systems for document control, project progress reports, change orders, and construction time analyses; and performing project and task management activities.

Stanley Michalowski will also provide Schedule Development and Monitoring services as part of Task C. He is currently a Senior Scheduler with 37 years of experience responsible for developing complete project schedules, budgets, and cost to complete. Mr. Michalowski provides detailed information on project phasing and staffing plans and calculates escalation costs, and prepares charts and graphs to support this information for presentation purposes.

TASK D – Quality Assurance Inspection

INSPECTORS

Victor Nicasio will serve as an Inspector for projects required under this contract. He is currently a Senior Inspector with 25 years of experience responsible for managing construction operations, supervising personnel, and overseeing work zone safety. He is also responsible for project documentation, estimates, change orders, as-built records, and utility coordination. He has extensive experience on construction, rehabilitation, renovations, upgrade, maintenance and critical emergency on-call projects on inter-state highways, bridges, mass transit and light rail and track systems, train stations, electrical lines and substations, public schools and public housing developments and municipal projects. **Mr. Nicasio is currently providing inspection services on our ongoing On-Call Construction Inspection contract with the PANYNJ.**

Gary L. Splain, NICET IV will provide inspection services for this contract. Mr. Splain is a Chief Inspector with 33 years of experience who is responsible for structural designs and the technical inspection of construction projects in New York, Connecticut, New Jersey, Pennsylvania, and other areas for the firm. His responsibilities also include reviewing shop drawings and providing other construction-phase services.

Clay A. Corjulo, NICET III is a Senior Inspector with 19 years of experience responsible for quality assurance specifications and pay quantity calculations for all earthwork and paving operations. He also assists the resident engineer with staff supervision and project recordkeeping.

Raimundo Gorrin, NICET IV, ACI is a Construction Inspector with 16 years of experience. He is responsible for inspecting and observing construction activities throughout projects. His tasks include providing detailed construction reports, updating as-built files, and coordinating activities between contractors and owners.

Thomas A. Wargo, NICET IV is a Senior Inspector with 29 years of experience, and is responsible for providing contract administration services and inspecting construction to verify its completion in accordance with contract requirements and specifications.

Paul K. Burpulis, NICET IV is an Inspector with 36 years of experience in the supervision of construction, inspection of all contractor operations, and coordination of inspection personnel, as well as overseeing work zone safety. He is responsible for project records including processing estimates, as-built plans, and quantity records, shop drawing review, utility coordination, and change order negotiating and recommendation for approval.

James J. Banack, NICET II is an Inspector with 33 years of experience. He is responsible for performing construction inspections on transportation projects involving highways, bridges, and mass transit facilities. His work includes roadway realignment, roadway resurfacing, bridge rehabilitation, and utility relocation/installation projects.

Brian M. Vosberg, EIT is a Construction Inspector with 15 years of experience. He is responsible for inspecting and observing construction activities throughout projects. His tasks include measuring field quantities, preparing daily inspection reports, supervising contractor activities, and making sure of compliance with contract documents.

Hitesh Patel is an Inspector with 26 years of professional experience in the construction of major facilities for government clients. He has experience serving in a variety of roles, including Resident Engineer, Assistant Resident Engineer, Chief Inspector, and Office Engineer.

Donald Olla will also provide inspection duties under this contract. Mr. Olla is an Inspector with 30 years of experience. He has served as a Resident Engineer on a number of transportation projects, having worked for the NJDOT for nearly 29 years. His responsibilities include acting as the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress, and ensuring projects are constructed in conformance with the plans and specifications for the owner.

Mohammed Bhuiyan, ICC (T) has over 20 years of experience in designing, supervising and managing construction projects, both in the public and private sectors. As a civil engineer, he was responsible for ensuring specification compliance in such categories as masonry, concrete, pile driving, soils, rebar and curtain panel walls.

Olayinka Ogundalu, ACI (T) is an Inspector with 20 years of experience. He is experienced in all phases of civil engineering construction and supervision, and his duties include inspections for concrete placement, steel reinforcement, installation, fireproofing, masonry, fire stopping and soil compaction.

James Orcutt, NICET III (T) is a Supervisor of Construction Inspection Services and a Senior Construction Inspector at Tectonic Engineering & Surveying Consultants, P.C. with 45 years of experience. Mr. Orcutt is responsible for the inspection of contractor's work to verify compliance with design plans and specifications, coordination and supervision of inspection staff, preparation of daily reports, review and approval of contractor's payment requisitions, coordination of filed design changes, shop drawing review, and preparation of as-built drawings. Construction inspection responsibilities include concrete inspection, earthwork construction, steel reinforcement inspection, roadway construction, masonry inspection, and structural steel inspection.

Ronghao Chen, PE (T) has over 25 years of experience in the construction field, ranging from contract management to performing inspections. He is very familiar with various aspects of construction, such as

HVAC/mechanical, plumbing, electrical, roof and foundation work, demolition, structural stability, pile driving, soil work, concrete, steel, masonry and asphalt.

Reynaldo M. Libunao, Jr. (KSE) has 18 years of international and domestic experience with project management, power, telecommunications and lighting distribution design for residential, commercial, educational, recreational, infrastructure and marine facilities. In addition, he has excellent organization skills and is able to use different tools to streamline the design process and generate accurate calculations.

Scott V. Plant, PE (KSE) is a Resident Engineer for Structural Engineering at KS Engineers, P.C. in New Jersey and New York. He has over 25 years of experience and currently provides resident engineering services for many of the local transportation agencies in the New York and New Jersey marketplace, including the NJ Turnpike Authority, NYSDOT, NYCDOT, MTA-Metro-North, and MTA-Bridges and Tunnels.

Steve Mar (KSE) has experience in high tension electrical engineering, construction technology, contract administration and building operations in a career that spans more than 30 years. He has the ability to work effectively under minimal supervision handling simultaneous projects and meeting deadlines. Mr. Mar has a solid reputation for upholding high standards and realizing organizational goals and objectives.

Shelton Rimple (KSE) is an Electrical Construction Inspector in New Jersey and New York with 18 years of experience. He provides inspection for installation of electrical systems, fire alarms, and fiber optic communications systems for residential, commercial, and institutional buildings and subway stations.

INSPECTORS WITH NACE CERTIFICATION

Ken Eckel, NACE II is a Construction Inspector with over 14 years of experience responsible for structural inspection duties, such as bridge painting and coatings inspection.

Farid Nowbahar, NACE I (T) has 20 years of construction supervision experience, mostly working on NYSDOT and NYCDOT projects involving bridge maintenance and painting components. He offers in-depth knowledge of abatement methods.

Ahmed Husain Zubair, NACE II (KSE) has more than 15 years of experience in construction inspection. His experience covers both highway and bridge work, including bridge structural painting and paint removal; scheduling; cost estimation; processing change orders; sanitary sewer and water main installation; air monitoring; maintenance and protection of traffic; surveying monuments; excavation; sub-base concrete and asphalt pavement; erection of electric poles; sidewalk installation; etc.

Sheldon Williams, NACE II (KSE) has more than 10 years of experience, and is currently a Construction Inspector for painting and structural work. He has significant experience in the New York area, and has provided inspection services for both the NYSDOT and the NYCDOT.

INSPECTORS WITH ACI ICC CERTIFICATION

Brian S. Walker, NICET IV, ICC/ACI Concrete, ICC Masonry will provide civil/structural inspection services for projects under this contract. Mr. Walker is a Civil/Structural Inspector with 12 years of experience. He is responsible for performing inspection services to verify completion in accordance with contract requirements and specifications as part of a construction management team. He provides technical and professional viewpoints, and inspects civil and structural elements of construction work including reinforced concrete, masonry, structural steel, pile driving, grading, and asphalt paving. He is also responsible for providing support and experience to mechanical and electrical inspections.

Kenneth J. Langone, ICC/ACI Concrete will provide civil/structural inspection services under this indefinite quantity contract. He has 12 years of experience and is responsible for inspecting and documenting construction activities in accordance with plans and specifications.

Aalen Adham, ACI ICC (T) has 11 years of experience as both a Residential Engineer and Special Inspector on various types of heavy duty construction projects. His responsibilities include providing detailed reports, satisfying inspection permits requirements, and performed materials testing services.

Thomas Carter, ACI ICC (T) has 25 years of experience performing special inspections and providing laboratory testing services. His duties include field inspection and testing of concrete, masonry, structural steel, fireproofing, and ensuring the quality of work and compliance with laws, regulations, codes, and requirements meet client standards.

Harendrakumar Sharma, ACI ICC (T) is an inspector with 28 years of experience whose responsibilities include performing technical inspection and plant/equipment evaluation services for concrete plants and related materials. Mr. Sharma also assesses quality assurance conditions of concrete mixing trucks, moisture content (ASTM-94) scale calibration, and performs field sieve analysis. He also performs inspections involving masonry, soils, asphalt, fire stopping, fire proofing, and curtain walls.

Carlos Jimenez, ACI ICC (T) is an inspector with 25 years of experience in fire stopping, masonry, curtain wall inspections, concrete structure, soils, materials, geology and road surfacing. Mr. Jimenez also has supervisory experience in the construction industry.

Muhammed S. Nissan, ACI ICC (T) has 12 years of experience and is currently an inspector whose responsibilities include performing technical inspection and plant/equipment evaluation services for concrete/ballast/asphalt plants and related materials; assessing quality assurance conditions of concrete mixing trucks, moisture content (ASTM-94) scale calibration, and performing field sieve analysis. Inspected masonry, curtain wall, fireproofing and fire stopping work performed.

Albert Agosto, ACI ICC, ICC SS & Bolting, CWI (T) has 35 years of experience in testing, welding, mechanical and civil work. He is responsible for inspecting and training inspectors in proper protocol for welding inspections. During his career, Mr. Agosto has experience performing numerous inspections, such as concrete, welds, bolts, curtain walls, piles, structural steel, shop work, high-pressure pipes, fire stopping, and bore piping.

Kwesi A. Amegah, ACI ICC (KSE) has more than 20 years of multifaceted experience encompassing inspection, civil and structural engineering as a Civil Engineer. His experience in construction inspection and bridge inspections including completion of various in-depth inspection programs in the New York metropolitan area. He also has experience in civil design including roadway replacements involving drainage, sewers, utilities, curbs and sidewalks. In addition, his structural experience includes the removal, replacement and reinforcement of steel and concrete bridge elements.

Zory Deresh, ACI ICC (KSE) has more than 30 years of experience in civil and structural engineering, as well as construction inspection and management/oversight.

Frederick H. Koomson, ACI ICC (KSE) is presently a Senior Inspector with 35 years of experience. He is currently responsible for the Reconstruction of Frederick Douglas Circle Project in Manhattan for the NYCDDC. The project involves reconstruction of this circle to include the erection of Figure monument in tribute to Frederick Douglas, fountain and constellation wall and quilt pattern design. The project also includes installation of 48", 20" and 12" sewers, heritage and standard traffic signal and street lighting, along with complete granite curb, sidewalk and roadway construction, and tree planting.

INSPECTORS WITH ICC SS & BOLTING CERTIFICATION

Albert Agosto, ACI ICC, ICC SS & Bolting, CWI (T) has 35 years of experience in testing, welding, mechanical and civil work. He is responsible for inspecting and training inspectors in proper protocol for welding

inspections. During his career, Mr. Agosto has experience performing numerous inspections, such as concrete, welds, bolts, curtain walls, piles, structural steel, shop work, high-pressure pipes, fire stopping, and bore piping.

Ibrahim Gaber, AWS-CWI, ACI ICC (T) has over 24 years of professional experience in all aspects of construction and mechanical workings. His responsibilities at current and past projects have included maintaining material, conducting inspections, reporting to clients and managing the jobs. Mr. Gaber has experience performing welding, mechanical, concrete, fire proofing and plant inspections.

Rochelle Lancey, ICC SS & Bolting (KSE) has nearly 29 years of experience in engineering. Her experience ranges from heavy/highway construction inspection to subdivision/land development construction surveillance and escrow contract monitoring. Her project experience includes engineering design, inspection, field surveying, quantity computations, bidding and contract ratification, construction surveillance, construction materials testing, review of subdivision and land development plans, developing specifications of municipal projects for local government clients as well as private clients.

TASK E – Contract Administration

TASK PROJECT MANAGERS

Robert J. Holland is a Construction Project Manager with 23 years of experience responsible for business development; recruitment, contract initialization, administration, and maintenance; oversight of construction management and construction inspection activities and personnel; and quality assurance and improvement.

Kevin R. Boerner, PE is a Project Manager with 17 years of experience who is responsible for providing inspection and contract administration services. His tasks include review of payment requests, shop drawing review and coordination, project scheduling, change order reviews and negotiations, contractor request for information (RFI) reviews and coordination, and meeting attendance and coordination.

Raymond Fischlein, PE (T) is a Project Manager with over 41 years of experience. Mr. Fischlein's responsibilities include technical supervision of staff, assignment of personnel, budget control, proposal preparation and client liaison, quality assurance oversight of highway and bridge projects for various state, county, and local governments. His duties also include contract administration, monitoring employee performance, and oversight of construction activities.

Mark Stier, PE (T) is a Senior Vice President of Geotechnical and Construction Inspection Services at Tectonic Engineering & Surveying Consultants, P.C., and provides technical direction and supervision for geotechnical engineering and construction inspection staff. He is responsible for review of performance of geotechnical evaluations and construction inspection/ materials testing for residential, commercial, and public facilities; and preparation and review of geotechnical reports.

Russell Gauss, PE (T) is an MEP/HVAC Manager with 33 years of experience. Mr. Gauss specializes in controlled inspections, engineering and project management including but not limited to scheduling coordination, estimating, contracting, documentation and performing controlled inspections, testing and analysis. He also has expertise in construction design development and review of specifications, submittals, training, surveying, and layout.

Alan Z. Yu, PE (T) is a Structural Steel Engineer at Tectonic Engineering & Surveying Consultants, P.C. with 30 years of experience. He is responsible for supervising structural steel inspectors and in-house Quality Control. Duties involve training and oversight of steel inspectors to make certain of and maintain the highest level of performance and quality.

Raul Mendoza, ACI, NICET II (T) is an experienced Inspector in various fields and phases of the construction industry. His inspector abilities and experience is based on projects for federal, state and city agencies and private organizations. His abilities are directed on QA/QC level checking projects, completion under contract specifications. His experience includes; concrete/asphalt field and plant work, soil inspection, soil testing, rebar, masonry/curtain wall and fire stopping.

CONSTRUCTION MANAGERS/RESIDENT ENGINEERS

Kenneth Y. Cho, PE is a Project Manager/Resident Engineer with 39 years of experience. He is responsible for major transportation projects involving inspections and structural designs for bridges, highways, tunnels, shops and maintenance facilities, and railways. Mr. Cho is also responsible for field condition surveys.

Michael Grzeskowiak, PE is a Resident Engineer with 39 years of experience in project and construction management for public and private clients on post office, courthouse, school, airline, airport, electrical substation, highway, landfill, and remediation projects. His responsibilities include managing new construction and renovation work, contract administration, project schedule, budget, quality control, contractor payments, estimates, change order negotiations, field directives, daily reports, shop drawings, and project close-out.

Lazarus Francino, PE is a Resident Engineer/Construction Manager with 28 years of experience in all phases of engineering planning, design, scheduling, construction, and financial controls. He has extensive knowledge in building systems, utility infrastructure, highways, sewage treatment, and information technology industries. His experience includes directing construction management teams, design professionals, and support personnel toward the successful completion of projects and career growth, as well as planning and managing the financial aspects of all project phases.

Edward Powers, PE will serve as a Construction Manager/Resident Engineer for this contract. Mr. Powers is a Resident Engineer with 31 years of experience, and is primarily responsible for administering construction contracts to upgrade sewage treatment plants. He performs extensive coordination with contractors, plant operations, designers, and the NYCDEP Bureau of Environmental Design and Construction to make certain that work meets design intent and contract specifications and is beneficially useful to the user in plant operations. He also manages inspection, scheduling, change order, permitting, document control, and safety staff.

Alfred Johnson, PE, ACI is a Construction Inspector with 34 years of experience and an extensive background in the planning, design, and construction management of civil and transportation construction projects. His responsibilities include contractor oversight, construction supervision, and coordination. He has also managed quality assurance/quality control (QA/QC) inspections, reviewed projects submittals and requests for information (RFI), and performed contract administration and closeout.

Peter Roloff, PE (T) is a Resident Engineer with more than 16 years of field inspection experience as on a wide variety of transportation projects. He has been assigned as a Resident Engineer to the Borough of Manhattan for 7 years and has established a reputation as an outstanding Resident Engineer capable of handling the complex issues that are typically encountered in projects in Manhattan such as work zone traffic control, utility interferences and relocation, maintaining quality-of-life for local residents and businesses, gaining an in-depth knowledge of subsurface city-owned and privately-owned utility layouts, managing and documenting changes in utility layout, working with other agencies, etc.

George P. Murphy, PE (T) is a Construction Manager with 40 years of experience whose responsibilities include the management of geotechnical site investigations incorporating soil and rock borings, borehole

image processing, test pits, piezocone testing, piezometers, monitoring wells, inclinometer installation and monitoring, and rock structure/geologic mapping. Responsibilities also include the performance of engineering evaluations, geotechnical report preparation and the management of supporting staff performing same and QA/QC duties for the construction of buildings, bridges, roads, earth dams, telecommunications projects and utilities. Projects have included spread footings, mats, drilled shafts, mini piles, piled and rock anchored foundations, underpinning, the application of surcharging, light–weight fill and wick drains, reinforced earth slopes and retaining walls.

Edward G. O'Leary (T) is a Resident Engineer possessing in excess 35 years of experience in civil highway and bridge projects, gained in the Metro New York area (Route 9A for NYSDOT) as well as in Region 8, NYSDOT, where he was an Area Supervisor. He has handled more than $500M in construction work, and has been assigned as Resident Engineer with Tectonic Engineering for the past 8 years, where he has performed his duties with distinction for a variety of clients. Mr. O'Leary is capable of managing infrastructure construction contracts with relative ease, and has a clear understanding of the work at hand, the paperwork required, payment procedures, correspondence, how to track all submittals, how to manage the schedule, including identifying potential delays and proposing remedial action, and preparing change orders.

Partha C. Saha, PE (T) is a Construction Manager with nearly 5 years of experience and knowledge of an extensive range of mechanical and structural areas covered including: diesel engines, hydraulic systems, electrical ac and dc, refrigeration, steam boilers, CNC plasma table, decorative, and structural steel/aluminum metal fabrication.

Raymond W. Cholewka, PE (KSE) is a Resident Engineer with 42 years of experience for KS Engineers, P.C. in New Jersey and New York. He provides engineering services for construction management of major transportation and wastewater projects, with special emphasis on bridge construction and rehabilitation projects for the NYSDOT, NYCDOT, and ConnDOT Highways and Bridges.

Attef (Al) Z. Farag, PE (KSE) is a Resident Engineer with 24 years of experience. His responsibilities include resident engineering inspection and project management, construction supervision, preparation of reports, project evaluations, clarification of DDC policies and procedures, negotiation of change orders, clarification of technical construction details, processing of payments, and punchlist and project close-out. He has performed QA/QC functions on various projects, prepared proposals for additional work, and worked with inspectors to both upgrade and maintain their skills.

Carl H. Ortmann, PE (KSE) is a Resident Engineer for Structural Engineering in New Jersey and New York with 24 years of experience. He provides engineering services for major bridge and highway projects, building foundations, power plants, and transit structures. He provides on-site administrative and technical supervision on heavy construction projects, directs multi-trade craft work forces, and determines methods of construction, manpower levels, material quantities, equipment, temporary facilities and work schedules. In addition, he supervises construction activities, materials and equipment received for compliance with company directives, contract drawings, specifications, approved submittals and standards of accuracy.

TASK F- Cost Engineering/Estimating Services

Cost Estimators

Richard K. Wille, CDT will provide cost estimation services for this contract. Mr. Wille is a Cost Estimator with 21 years of experience responsible for the development of preliminary and final construction cost estimates for various highway and bridge projects. He integrates the cost estimate with the project schedule to make sure that the estimate accurately reflects the cost of construction. His estimates account

for project location, accessibility, available work and staging areas, work-hour restrictions, and maintenance of rail and/or vehicular operations.

Gregory L. Paquin will also serve as a Cost Estimator for this contract. Mr. Paquin is a Senior Inspector with 25 years of experience, and is responsible for contract administration and the technical inspection of transportation facility, highway, and bridge construction projects.

STAFF COMMITMENT

The staff assigned to this project are committed to serve when called upon by PANYNJ. The assembled Team has experience managing on-call and task-order assignments throughout the Northeast. The staff that is presented in this proposal will be available to propose on and execute projects as they are assigned. We will do this by monitoring work load levels of key individuals to make sure that they always have capacity to handle additional work for PANYNJ assignments during the contract timeframe.

In the event that a proposed staff member is not available, we will notify the PANYNJ and propose a replacement with similar capabilities. However, our goal, which we have proven on past PANYNJ programs, is to use the staff proposed herein.

Attachment E

Staffing Plan Template

RFP NO. 38268

IF THE STAFFING CATEGORIES LISTED BELOW DIFFER FROM YOUR FIRM'S, LIST YOUR FIRM'S STAFFING TITLES WITHIN THE CATEGORY THAT BEST MATCHES.

Staffing Category		PROPOSER'S STAFFING TITLES
INSPECTIONS	1	Inspectors
	2	Inspectors with NACE Certification
	3	Inspectors with ACI ICC Certification
	4	Inspectors with ICC SS & Bolting Certification
	5	Building/MEP
	6	Tectonic Laboratories
	7	Claims Analysis & Support
	8	
CONSTRUCTABILITY REVIEW	1	Constructability/Bidability and General Engineering/Construction Staging
	2	
	3	
	4	
	5	
	6	
	7	
	8	
CONTRACT ADMIN	1	Principal-in-Charge
	2	Project Manager
	3	Deputy Project Manager
	4	QA/QC Managers
	5	Task Project Managers
	6	Construction Managers/Resident Engineers
	7	
	8	
COST ESTIMATES	1	Cost Estimates
	2	Value Engineering
	3	
	4	
	5	
	6	
	7	
	8	
CONSTRUCTION SCHEDULES	1	Schedule Development and Monitoring
	2	
	3	
	4	
	5	
	6	
	7	
	8	

JAMES T. GIBBONS

Assignment
Project Manager

Years of Experience With Firm
5

With Other Firms
22

Education
B.S., Civil Engineering, University of Massachusetts Dartmouth, 1989

M.S., Civil Engineering, Columbia University, 1999

Current Responsibilities

Mr. Gibbons is a Manager of Construction Services for the firm in New Jersey and the Metropolitan New York area.. He directs operations throughout the area; provides overall project management services; serves as a liaison with state, bi-state, and local transportation agencies; and recruits, assigns, and manages department personnel.

Summary of Experience

PANYNJ - Performance of Expert Professional CM and Related Technical Services as Requested on a Call-In Basis During 2011-2014, Various Facilities, Various Locations, NY & NJ, *PANYNJ.* Project Manager, responsible for supervising the overall contract compliance from date of award to completion. Also ensured quality of construction in accordance with the contract plans and specifications and that the project adhered to applicable codes and standards of the PANYNJ. Consulted on technical issues, field resolutions, and recommendations during various stages of the projects. Implemented effective communication of progress/ problems between Senior Management, Field Staff, Contractors, and Inspectors.

As-Needed Construction Administration, Inspection and Support Services, Contract PSC-13-2923, *MTA B&T.* Project Manager for this six-year, indefinite quantity, Construction Inspection Agreement for the Triborough bridge and Tunnel Authority. The contract scope includes both non-Federal and Federal contracts, the latter being specifically for the coverage of Super Storm Sandy related/Federally funded rehabilitation projects. Scope includes civil, architectural, structural electrical/mechanical/HVAC projects on any of the Authority's 7 bridges, 2 tunnels or building facilities. Responsible for assigning and managing multiple personnel required on the various construction projects.

Three-Year Statewide Construction Inspection Agreement for Bridges, Movable Bridges, and Tunnels, Contract 2013MES949 NJ, *NJDOT.* Project Manager for this three-year, $3M, Construction Inspection Term Agreement. Responsible for assigning and managing multiple personnel required by NJDOT on various construction projects statewide through separate Task Orders, including the following: NJ Rt 7 Wittpenn Bridge; NJ Rt 71 Shark River Bridge, Rt 88/13 Point Pleasant Canal Bridge, NJ Rt 47 Grassy Sound Bridge, Rt 130 Raccoon Creek Bridge, and all steel and concrete repair contracts on bridges statewide.

Region South Three Year Construction Inspection Term Agreement, Contract 2011MEO842C, *NJDOT.* Project Manager for this three-year, $3M, Construction Inspection Term Agreement. Responsible for assigning and managing multiple personnel required by NJDOT on various construction projects in Region South through separate Task Orders, including the following: MRRC S-105, MRRC S-106, 2012 Pavement Preservation Contract, 2011 Pavement Preservation Contract, Movable Bridge Repairs projects, including repairs on Rt. 130 Raccoon Creek Bridge, Rt. 130 Oldmans Creek Bridge, Rt. 50 Tuckahoe Creek Bridge, NJ Rt. 44 Mantua Creek Bridge, NJ Rt. 7 Hackensack River, Wittpenn Bridge, NJ Rt. 71 Shark River Bridge, NJ Rt. 29 Tunnel Bridge, and Trenton bridges, Maintenance Concrete Bridge Repairs Projects, Guiderail Repairs Contract, and Multiple Drainage Repair and Reconstruction Contracts.

Region Central Three Year Construction Inspection Term Agreement, Contract 2011BCM836F, Central NJ, *NJDOT.* Project Manager for this three-year, $3M, Construction Inspection Term Agreement. Responsible

for assigning and managing multiple personnel required by NJDOT on various construction projects in Region Central through separate Task Orders, including the following: I-287 Reconstruction, Somerset County; MRRC-301, Monmouth County; I-295 Pavement Repair and Rehabilitation, Burlington County; Route 31 Shabacong Creek bridge replacement, Hunterdon County; MRRC Central, Sub-Region C-2, Contract C206, Somerset County; and Cokesbury Rd over I-78 bridge Deck Replacement, Hunterdon County.

Region South Three Year Construction Inspection Term Agreement, Contract 2012BCM887B, *NJDOT.* Project Manager for this three-year, $3M, Construction Inspection Term Agreement. Responsible for assigning and managing multiple personnel required by NJDOT on various construction projects in Region South through separate Task Orders, including the following: 2013 MRRC Contract S-305; Route 30/Grove Street Resurfacing contract; I-295 Advance ITS Contract for"Direct Connect" CPM Schedule Review, Burlington County; I-295 "Direct Connect" CPM Schedule Review, Burlington County; Region South Long Life Pavement Contract; and Region South Bridge Painting Contract.

TB-13, Triborough Bridge Queens Approach Deck and Roadway Replacement, Queens, NY, *TBTA.* Construction Project Manager responsible for handling the budget and the project schedule with Primavera software and providing overall supervision of this $17 million project. Work included the removal of concrete sidewalks, parapets, median barrier, curtain walls, cap beams, and superstructure and approach slabs; the replacement of the existing drainage system; the installation of new cast-in-place cap beams and column encasement; the installation of new underdeck lighting and the reinstallation of bridge lighting and communications systems; and the installation of new approach slabs, precast pedestals, bearings, precast superstructure units, and precast/prestressed curtain walls. The work was performed without any long-term lane closures using only daily lane closures. A unique aspect of the project required the construction of new cap beams below the existing cap beams so that the existing structure could be blocked and wedged to the new cap beams for support during the sequential removal of the bridge deck throughout the 10 stages of construction. The existing superstructure and a portion of the substructure were removed in panels using circular and wire concrete cutting saws for demolition. The new Inverset deck slab/superstructure units were installed in a similar panelized fashion.

Supervision of Construction Services for Contract No. P100.203, Bridge Deck Repairs and Resurfacing, MP 0 to 126, and Contract No. P100.204, Bridge Deck Repairs and Resurfacing, MP 126 to 172, Various Locations, NJ, *NJTA.* Project Manager for this supervision of construction services contract for two separate projects valued at $6.2M and $7.0M respectively, with scope including extensive repairs to 44 bridge superstructures and substructures. Responsibilities included coordination of lane closings with traffic operations and supervision of inspection staff and contractor's work. Work includes bearing replacements; bearing repairs; steel girder repairs; cleaning and painting of structural steel; concrete bridge deck panel replacements; bridge barrier parapets; beam guide rail and attachments; concrete deck; abutment and concrete pier spall repairs of various types and depths; deck joint repair and replacement; membrane waterproofing; milling; HMA concrete paving; pavement markings; delineators; and related MPT.

Chronological History of Employment

Gannett Fleming – 2009-Present
CMX, Inc., Manalapan, NJ – 2005-2009
Greenman-Pedersen, Inc., Lebanon, NJ – 2000-2004
MTA Bridges and Tunnels, New York, NY – 1993-2000
Carlo Lizza & Sons Paving, Inc., Hicksville, NY – 1992
Pavao Construction, Dighton, MA – 1990-1991
Massachusetts Department of Transportation - Highway Division, Worcester, MA – 1988-1989
US Army National Guard, Camp Edwards, Falmouth, MA – 1987-1988

REZA MARANDI, PE, CCM

Current Responsibilities

Mr. Marandi is a results-oriented Engineering Professional with over 28 years of experience with the Department of Environmental Protection (DEP) in managing multi-million dollar capital construction projects such as the Combined Sewer Overflow "CSO" Program, Landfill Remediation Program, and the Pumping Station Construction Program. He also serves as Resident Engineer for in-house projects and Chief/Accountable Manager for consultant projects for Water Quality and Wastewater Facility Divisions. Mr. Marandi has a strong knowledge of engineering construction and design and environmental regulations for water, wastewater and hazardous materials. His areas of expertise include Construction, Design & Planning, Water, Wastewater & CSO Projects, Management & Leadership, Cost Management, Quality Assurance, Conflict Resolution, Contract Procurement, Regulatory Compliance and Landfill Remediation Projects.

Assignment
Deputy Project Manager

Years of Experience With Firm
1

With Other Firms
27

Education
Master of Engineering, Structural Engineering, City University of New York, 1985

Professional Registrations
PE: New York – No. [redacted] (1997)

Summary of Experience

REI Services for the Reconstruction of College Point Boulevard, Queens, NY, *NYCDDC.* Resident Engineer for this $12.5 million dollar project which involves the Extension and/or Replacement of Distribution Water Mains at designated locations on College Point Boulevard, Queens. The work impacted various communities and consequently the project team ensured that the public notification of service disruption was conducted in accordance with the Agency protocol and in a timely manner. Tectonic provided services for incidental work in connection with this project such as: relocation of hydrants; installation of new hydrants; restoration of roadway, curbs and sidewalks; and protection utilities, etc.

Primary Settling Tank Odor Control Building Reconstruction, Coney Island Wastewater Treatment Plant, Brooklyn, NY. Chief of Water Quality Construction/Accountable Manager for this project. The Primary Settling Tank Odor Control Building was constructed between 1996 and 1998 and placed into successful operation in 1999 as part of the plant upgrade. The building houses a two-stage odor control system, wet chemical scrubbers followed by carbon absorbers, for the primary settling tanks and influent channel. The primary settling tank influent channel and tanks are also covered and ventilated to control odors from traveling into the surrounding neighborhood. On August 6, 2003, a fire occurred in Carbon Absorber Vessel No. 4. The fire destroyed several carbon absorbers, associated ductwork, mechanical, and electrical systems. Also, other portions of the building systems were damaged and smoke residue was deposited in most parts of the building. A Declaration of Emergency was declared on August 7, 2003, which determined that emergency contracts would be required to assess, clean and repair/reconstruct the damaged Odor Control System within the Odor Control Building. There were several goals of the building reconstruction:

- Provide a staged approach to maintain sufficient odor control treatment levels
- Maintain sufficient odor control treatment levels for the duration of the building and odor control system reconstruction
- Improve the existing odor control system technology
- Improve the building life safety systems

CSO-OH-TF, Outer Harbor Throttling Gate, Staten Island, NY. Resident Engineer/Accountable manager for Construction of an underground throttling gate in Staten Island. Work included but not limited to reviewing 90% design, procurement process from bid opening to contract registration, managing contractor activities to excavate relocate existing 12 inch water main, gas main and other underground utilities, install excavation support system, install dewatering equipment, excavate/test & remove fill material, install form and pour base slab, walls and roof for the throttling gate chamber within an existing live 96" combined sewer pipe. This gate will be used by DEP Plant Operation to throttle incoming CSO flow into the plant.

CSO-EK-11G/E/H, Newton Creek Aeration Facility. Resident Engineer/Accountable Manager for construction of above ground facility to house two compressors, related equipment, controls, electrical conduits & MCC, installation of air piping inside upper English Kill basin to add oxygen into various section of the basin to increase demand oxygen and improve water quality and marine life at the basin. Work include but not limited to attending and reviewing 90% design meeting, procurement process from bid opening to contract registration, managing contractor activities such as site survey etc., excavation and relocation of 12 inch water main, gas main, install cofferdam along the basin, installing timber piles and grade beams with base slab, construction of one story CMU building, installation of HVAC system, installation of electrical system and breaker panel, installation of Motor Control Center MCC to control operation of two compressors and other units. This facility was designed to add air into the existing English Kill basin via 1500 feet of air pipes to add air to the basin and improve water quality, help curb odors during warmer months by eliminating anoxic conditions (lack of oxygen) and benefit ecology in basin.

CSO-ER-BR1, Bronx River Floatables Facilities. Resident Engineer/Accountable Manager for construction of four underground chambers including all necessary equipment, electrical and controls to remove floatables during rain events from incoming combined sewer overflow CSO pipes and to prevent them from tipping into the Bronx River and the long Island sounds. Work included but not limited to attending & reviewing 90% design meeting, procurement process from bid opening to contract registration, managing contractor activities such as site survey etc., to construct two netting facilities and two under flow screening facilities which included excavation and removal of 12 inch water main at Bronx Park Ave. at which we coordinated our new water main with NYCDDC for their upcoming contract, soil testing/ remediation and disposal of hazardous soil, installing excavation support system around existing live combine sewer pipe, installation of rebar, and form work and placement of concrete for base slab, walls and roof slab.

CSO-JT-G/E, Shellbank Basin Destratification. Resident Engineer/Accountable Manager for this project to construct an air compressor facility station along the Jamaica Bay by Shellbank Basin in Howard Beach. This above ground facility was designed to improve water quality in the basin; help curb odors during warmer months by eliminating anoxic conditions (lack of oxygen) and benefit ecology in Shellbank Basin. Work included but not limited to attending & reviewing 90% design meeting, procurement process from bid opening to contract registration, managing contractor activities such as site survey etc., and construction of an above ground facility supported on wooden piles and concrete slab, installation of 4 pipelines in the Shellbank Basin, each pair composed of two lines 1 inch for air and ¾ inch for buoyancy. In addition, we installed two oil free compressors, HVAC system, electrical system, controls and piping for an automatic operation during summer season.

Chronological History of Employment

Tectonic – 2013-Present
Shaw Environmental & Infrastructure, Inc. – 2012
NYCDEP – 1984-2012

CHARLES R. NORRISH, III, PE

Assignment
Principal-in-Charge

Years of Experience With Firm
41

With Other Firms
0

Education
B.S., Civil Engineering, University of Pittsburgh, 1973

M.B.A., Business, University of Connecticut, 1992

Professional Registrations
PE: New York - No. [redacted] (1978)
Connecticut - No. PEN. [redacted] (1985)
Massachusetts - No. [redacted] (1991)
New Jersey - No. [redacted] (1992)
Rhode Island - No. [redacted] (1993)

Amtrak Contractor (2013)

Current Responsibilities

Mr. Norrish is a Vice President, Regional Office Manager, and Regional Construction Manager responsible for providing services in the Northeast. He directs operations throughout the area, has overall project management responsibilities, serves as a liaison with departments of transportation and other agencies, and assigns personnel.

Summary of Experience

Hudson Line Stations Rehabilitation, Phase 2B, Westchester, NY, *MTA Metro-North Railroad.* Project Manager responsible for overseeing the construction of the $50 million, 39-month staged reconstruction of platforms at Philipse Manor, Scarborough, and Ossining Stations. The rehabilitation includes the replacement of 4,500 LF of high-level platforms, 1,500 LF of canopies, six pile-supported elevators, a new pedestrian overpass, rehabilitation of two existing overpasses with Americans with Disabilities Act (ADA) improvements, ADA ramps, new heated shelters, electrical upgrades, improved lighting, a variable-message sign system, a public address system, and station amenities. Responsible for maintaining the project schedule through the use of the critical path method schedule, providing coordination with the Construction Support Service group in addressing the various requests for information regarding design modifications and unforeseen field conditions, and coordinating and communicating with local communities and municipalities for various construction efforts affecting commuters and vehicular traffic.

Project Nos. 63-643 and 93-180, New Britain-Hartford Busway, Hartford, West Hartford, and Newington, CT, *ConnDOT.* Project Manager responsible for providing technical inspection and administration services for a $130.6 million bus rapid transit construction project. The project (Contract 3) entails the middle and largest section of the $567 million New Britain-Hartford Busway. It is being constructed partially along abandoned railroad right-of-way and partially along active Amtrak right-of-way. The Contract 3 project consists of the construction of 7 out of 11 stations serving the busway and faces the challenges of coordinating with Amtrak and seven designers of record, four other adjacent construction projects, contract schedules with multiple milestones, geotechnical issues, structural (bridges) construction in congested downtown areas, and environmental concerns. Project 63-643 will replace the at-grade crossing on Flatbush Avenue with a grade-separated crossing. This requires a bridge over the Amtrak right-of-way and embankment approaches to the bridge. The construction of these embankment approaches will require the use of wick drains, pile foundations, and installation of Geofoam lightweight fill to accommodate the existing soil conditions. Project 93-180 will construct the busway from Cedar Street in Newington to Sigourney Street in Hartford. This requires the construction of more than 5 miles of roadway, 44 retaining walls, 8 new bridges, approximately 8 miles of drainage, including drainage pipe jacking under the active Amtrak railroad, 7 stations, wetland mitigation, and a gravel access road for Amtrak.

CSO-OH-TF, Outer Harbor Throttling Gate, Staten Island, NY. Resident Engineer/Accountable manager for Construction of an underground throttling gate in Staten Island. Work included but not limited to reviewing 90% design, procurement process from bid opening to contract registration, managing contractor activities to excavate relocate existing 12 inch water main, gas main and other underground utilities, install excavation support system, install dewatering equipment, excavate/test & remove fill material, install form and pour base slab, walls and roof for the throttling gate chamber within an existing live 96" combined sewer pipe. This gate will be used by DEP Plant Operation to throttle incoming CSO flow into the plant.

CSO-EK-11G/E/H, Newton Creek Aeration Facility. Resident Engineer/Accountable Manager for construction of above ground facility to house two compressors, related equipment, controls, electrical conduits & MCC, installation of air piping inside upper English Kill basin to add oxygen into various section of the basin to increase demand oxygen and improve water quality and marine life at the basin. Work include but not limited to attending and reviewing 90% design meeting, procurement process from bid opening to contract registration, managing contractor activities such as site survey etc., excavation and relocation of 12 inch water main, gas main, install cofferdam along the basin, installing timber piles and grade beams with base slab, construction of one story CMU building, installation of HVAC system, installation of electrical system and breaker panel, installation of Motor Control Center MCC to control operation of two compressors and other units. This facility was designed to add air into the existing English Kill basin via 1500 feet of air pipes to add air to the basin and improve water quality, help curb odors during warmer months by eliminating anoxic conditions (lack of oxygen) and benefit ecology in basin.

CSO-ER-BR1, Bronx River Floatables Facilities. Resident Engineer/Accountable Manager for construction of four underground chambers including all necessary equipment, electrical and controls to remove floatables during rain events from incoming combined sewer overflow CSO pipes and to prevent them from tipping into the Bronx River and the long Island sounds. Work included but not limited to attending & reviewing 90% design meeting, procurement process from bid opening to contract registration, managing contractor activities such as site survey etc., to construct two netting facilities and two under flow screening facilities which included excavation and removal of 12 inch water main at Bronx Park Ave. at which we coordinated our new water main with NYCDDC for their upcoming contract, soil testing/ remediation and disposal of hazardous soil, installing excavation support system around existing live combine sewer pipe, installation of rebar, and form work and placement of concrete for base slab, walls and roof slab.

CSO-JT-G/E, Shellbank Basin Destratification. Resident Engineer/Accountable Manager for this project to construct an air compressor facility station along the Jamaica Bay by Shellbank Basin in Howard Beach. This above ground facility was designed to improve water quality in the basin; help curb odors during warmer months by eliminating anoxic conditions (lack of oxygen) and benefit ecology in Shellbank Basin. Work included but not limited to attending & reviewing 90% design meeting, procurement process from bid opening to contract registration, managing contractor activities such as site survey etc., and construction of an above ground facility supported on wooden piles and concrete slab, installation of 4 pipelines in the Shellbank Basin, each pair composed of two lines 1 inch for air and ¾ inch for buoyancy. In addition, we installed two oil free compressors, HVAC system, electrical system, controls and piping for an automatic operation during summer season.

Chronological History of Employment

Tectonic – 2013-Present
Shaw Environmental & Infrastructure, Inc. – 2012
NYCDEP – 1984-2012

WALTER E. GROSS, PE

Assignment
Principal-in-Charge

Years of Experience With Firm
3

With Other Firms
27

Education
B.S., Civil Engineering,
Manhattan College, 1984

Professional Registrations
PE: New York – No. [redacted] (1993)

Pennsylvania – No. [redacted]

Connecticut – PEN. [redacted] (2001)

Massachusetts – No. [redacted]

Vermont – No. [redacted] (1997)

Current Responsibilities

Mr. Gross is Vice President of Tectonic's infrastructure division, and presents over 30 years of experience with public works, water supply, waste water treatment, and solid waste engineering projects, applying civil engineering site design, and program management experience. Mr. Gross has successfully managed numerous projects for NYC agencies from design to construction. His management responsibilities include defining work scopes, allocating resources, overseeing the project team, supporting technical design, managing construction oversight. Mr. Gross has served as the Project Principal on numerous NYCDEP construction management contracts, including their largest construction management contract ever awarded.

Summary of Experience

Newtown Creek WPCP Construction Management, *NYCDEP.* Chairman of the JV Board for the Shaw/Baker/Gannett Fleming tri-venture, responsible for providing senior management oversight of CM services during construction for the $1.5 billon upgrade of the Newtown Creek WPCP, located in Brooklyn, NY.

26th Ward WPCP Emergency Generator Construction Management, *NYCDEP.* Member of the Board of Managers for the Black & Veatch/Shaw/D&B tri-venture responsible for providing senior management oversight of CM services during the installation of new emergency generators at the 26th Ward WPCP, located in Brooklyn, NY.

North River Emergency Design and Construction, *NYCDEP.* Project Principal responsible for providing senior level management and oversight of CM services for the emergency repair of the fire-damaged diesel pumps and related structural damage at the North River WPCP.

Owls Head Grit & Scum Building Construction Management, Brooklyn, NY, *NYCDEP.* Project Director responsible for providing senior level management and oversight of CM services for the construction of the new grit & scum handling facility at the Owls Head WPCP.

Delaware Aqueduct (Shaft 6) Tunnel Leak Remediation Construction Management, *NYCDEP.* Member of the Board of Managers for the Jenny/Stone & Webster/URS tri-venture, providing senior management oversight of CM services for the inspection of the leaking tunnel section and bulkhead structure, in preparation for the unwatering of the Delaware Aqueduct located in upstate NY.

Downstate General Engineering Requirements, Various Locations, NYC, *NYCDEP.* Member of the Board of Managers for the HAKS/Shaw joint venture, providing senior management oversight of CM services for the upgrade of various WPCPs throughout NYC.

Mother Clara Hale Bus Depot Construction Management, *MTA/NYCTA*. Project Principal for the new Mother Clara Hale Bus Depot construction management project, which will utilize various Green Building Features, allowing NYCT to efficiently and sustainably service the growing number of bus riders throughout

the city. The Mother Clara Hale Bus Depot will be one of the first LEED-certified Bus Depots of its type in the country.

City Tunnel No. 3 Design, Roosevelt Island, NYC, *NYCDEP.* Performed reinforced concrete and steel design tasks for the construction of Shaft 2B at the Hillview Reservoir in Yonkers, New York, and for the construction of Shaft 13B on Roosevelt Island, New York City, for the NYCDEP. Was also involved with engineering design services during construction.

Inspection of City Tunnels Nos. 1, 2 & 3, *NYCDEP.* Performed the design, inspection and structural evaluation of various NYCDEP water supply structures for Water Tunnel Nos. 1, 2 and 3, including Uptake and Downtake Chambers located at the Croton and Kensico Reservoirs. Tasks included the development construction bid documents, including the creation of project drawings, specifications and construction cost estimate for their structural and architectural rehabilitation. Also provided NYCDEP with engineering design services during construction.

City Tunnel No. 3 Design, *NYCDEP.* Performed reinforced concrete and steel design tasks for the construction of Shaft 2B at the Hillview Reservoir in Yonkers, New York. Tasks included the development of project drawings, specifications and construction cost estimate, for the NYCDEP. Also provided NYCDEP with engineering design services during construction.

City Tunnel No. 3 Design, *NYCDEP.* Performed reinforced concrete and steel design tasks and for the construction of NYCDEP Water Tunnel #3 Shaft 13B on Roosevelt Island, New York City. Tasks included the development construction bid documents, including the creation of project drawings, specifications and construction cost estimate.

Fresh Kills Landfill Closure, *NYC Department of Sanitation.* Design Program Manager for the design of all major storm water control structures at the Fresh Kills Landfill. Prepared NYSDEC approved tidal/freshwater wetlands permit application. Also developed SPDES compliant monitoring station designs for all 17 storm water detention basin discharge locations at Fresh Kills, including the creation of construction drawings, sampling and monitoring equipment specifications, and a final engineering report.

Fresh Kills Landfill Stormwater Basin Design, NYC, *NYCDOS.* Directed the design of all major stormwater control structures at the Fresh Kills Landfill. Prepared NYSDEC approved tidal/freshwater wetlands permit application. Also developed SPDES compliant monitoring station designs for all 17 stormwater detention basin discharge locations at the Fresh Kills, including the creation of construction drawings, sampling and monitoring equipment specifications, and a final engineering report.

Pennsylvania Avenue & Fountain Avenue Landfill Closure, *NYCDEP.* Design Manager responsible for coordination with construction manager for the closure of the Pennsylvania & Fountain Avenue Landfills in Brooklyn, New York, for the NYCDEP. Services included contractor submittal review, production of revised construction drawings and specifications, production of engineering cost/benefit and budget analyses, site field inspections, and monthly client and contractor meetings. Total construction costs: $160 million.

Chronological History of Employment

Tectonic – 2012-Present
Shaw E&I Engineering of NY, PC – 2005-2012
URS Corporation – 1995-2005
SCS Engineers – 1990-1995
Gabriel E. Senor, PC – 1989-1990
NYC Department of Environmental Protection – 1984-1989

DOREEN M. BARTOLDUS, PE, CCM, LEED GA, ENV SP

Current Responsibilities

Ms. Bartoldus is a Vice President of Regional Construction Services responsible for water, wastewater, and facility construction management initiatives. She participates in complex, multi-phase, multi-prime construction contracts, involving design, resident engineering, construction management, design liaison, quality control inspection and testing, and project management. Her expertise also encompasses construction management of multi-prime and billion dollar construction projects incorporating a wide variety of facilities, including water distribution and treatment facilities, tunnels, shafts and distribution chambers, pumping stations, solid waste facilities, storm and sanitary sewers, wastewater treatment facilities, community park and recreation facilities, and highways. These projects have ranged from $1 million to $1.6 billion in construction value. Has overseen all aspects of construction projects from procurement to project management and closeout.

Assignment
QA/QC Manager

Years of Experience With Firm
1

With Other Firms
34

Education
A.A.S., Engineering Science, Nassau Community College, 1990

B.S., Civil Engineering, Polytechnic Institute of New York University, 1993

M.B.A., Sustainable Business, Green Mountain College, 2011

Professional Registrations
PE: New York - No. [redacted] (1997)

Certified Construction Manager (CCM) (2007)

USGBC - LEED Green Associate: No. [redacted] (2011)

Envision™ Sustainability Professional (ENV SP): Institute for Sustainable Infrastructure (2014)

Summary of Experience

Newtown Creek Water Pollution Control Plant, Brooklyn, NY, *NYCDEP.* Project Principal responsible for construction management services for 14 construction contracts to upgrade the Newtown Creek wastewater pollution control plant (WPCP). Work involves upgrades to the central residuals building and the Newtown Creek sludge barging facilities, modifications to the main building's northwest wing, and reconstruction of the Kingsland Avenue, South Battery, and South Control buildings. Construction cost is $1.6 billion. Responsibilities include supervising the resident engineer, inspections, and project controls staff; coordinating with joint venture partners; and serving as liaison with NYCDEP on technical, operational, and staffing issues.

Microturbine Construction Management and Resident Engineering Services, Biological Nutrient Removal Update, Great Neck, NY, *Great Neck Water Pollution Control District.* Project Manager responsible for providing comprehensive engineering services to increase plant energy efficiency for the expansion of a 5.3-mgd wastewater treatment plant. Microturbines, using digester gas, were selected as the most suitable cogeneration technology for the plant capacity. Power from the cogeneration facility will be used on site to reduce plant electricity demand and part of the waste heat used by heat exchanges to heat the digester and building working space. Responsible for the feasibility study, final design, and construction management services. Provided coordination for the plant upgrade and operation; assistance with performance testing and start-up; and preparation of operation and maintenance manuals.

Tallman Island Wet Weather Maximization, Powells Cove, Queens, NY, *NYCDEP.* Construction Manager/Project Manager leading the construction management/resident engineering team managing the installation of the New Whitestone Interceptor. The $22 million construction project included approximately 2,500 feet of 7-foot by 7-foot precast box culvert, cast-in-place connection chamber, diversion chamber, four turning chambers, and the upgrade of three regulators.

R-149 Installation of Natural Gas Service and Removal of Underground Bulk Storage Tanks, Rockaway, Queens, NY, *NYCDEP.* Design Liaison managing design issues during construction including change orders, requests for interpretation, and clarifications. The project Contract R-149 calls for the installation of a natural gas service and for the removal of underground bulk storage tanks at the Rockaway Wastewater Treatment Plant. The project also included other modifications and improvements to boilers, facility structure modifications, and other appurtenances to complete the work.

Phase 2 Ultraviolet (UV) Light Disinfection Facility, New York, NY, *NYCDEP.* Construction Manager for the Catskill/Delaware Water Supply System, a UV light disinfection facility constructed in Lower Westchester County, New York. With a design capacity of 2 bgd, it is the largest UV facility in the world. As construction manager for Phase 2, facility construction and off-site projects, managed the on-site staff and was responsible for health and safety, scheduling, change orders, resident inspection and quality assurance, and document control. This $1.4 billion construction project included a construction staff of 53. Two years into the project, there were no recorded accidents or claims, and the project was 3 months ahead of schedule and received excellent rating from the client.

Distribution Chambers Construction, New York, NY, *NYCDEP.* Project Manager responsible for engineering services during construction for three construction contracts valued at approximately $104 million for the NYCDEP's Tunnel 3, Stage 2 Distribution Chambers in Queens and Brooklyn, New York. The scope of work included installation of water tunnel shafts, 48-inch and 72-inch-diameter riser piping and valves, two underground concrete chambers, and distribution piping and tie-ins to existing water mains in Queens and Brooklyn. Responsibilities included shop drawing review, change order scope and estimate preparation and negotiation, requests for information, and coordination among designer, owner, and contractor. Also managed home office and on-site inspection staff, attended all progress meetings, and resolved design/construction issues for this project.

Primary Settling Tank Odor Control System Reconstruction, New York, NY, *NYCDEP.* Construction Manager for the $18 million reconstruction of the odor control system at NYCDEP's Coney Island Water Pollution Control Plant, responsible for managing the resident engineering and inspection staff, as well change order preparation and negotiation, claims avoidance and resolution, schedule monitoring, and coordination with plant operations staff.

Chronological History of Employment

Gannett Fleming – 2009-Present
CMX, Inc., Manalapan, NJ – 2005-2009
Greenman-Pedersen, Inc., Lebanon, NJ – 2000-2004
MTA Bridges and Tunnels, New York, NY – 1993-2000
Carlo Lizza & Sons Paving, Inc., Hicksville, NY – 1992
Pavao Construction, Dighton, MA – 1990-1991
Massachusetts Department of Transportation - Highway Division, Worcester, MA – 1988-1989
US Army National Guard, Camp Edwards, Falmouth, MA – 1987-1988

EDWARD TOROSSIAN, PE

Assignment
QA/QC Manager and Laboratory Director

Years of Experience With Firm
6

With Other Firms
10

Education
B.S., Architectural Engineering, Cairo, Egypt

Professional Registrations
PE: New York – No. [redacted] (2010)

NCMA Certified Concrete Masonry Testing Technician – No. 22011

ICC Masonry Special Inspector – No. [redacted]84

ACI Concrete Field Testing Technician – Grade I – No. [redacted]

ACI Aggregate Testing Technician Level 1 – No. [redacted]

ACI Strength Testing Technician – No. [redacted]

ACI Lab Testing Technician Level 1 – No. [redacted]

ACI Concrete Construction Special Inspector – No. [redacted]

NICET Level II – Concrete, Soils & Asphalt – No. [redacted]

Nuclear Gage Certified by Q/C Resource –No. [redacted]

Current Responsibilities

Mr. Torossian is a QA/QC & Laboratory Director experienced in laboratory quality systems. Performed and supervised extensive field and laboratory testing and inspection of construction materials for a wide range of commercial, industrial, municipal and residential projects.

Summary of Experience

Tappan Zee Hudson River Bridge Crossing Project Contract D214134, Tarrytown, NY, *NYSDOT and NYSTA.* QA/QC & Lab Manager for this contract. The New York State Department of Transportation and the New York State Thruway Authority selected Tectonic Engineering & Surveying Consultants to perform Quality Assurance and Quality Control services. Specific project involves the development of a bridge crossing of the Hudson River close to the Tappan Zee Bridge, and the demolition of the existing bridge. Quality Assurance and Quality Control services include masonry, steel, soils, concrete, mechanical and pile driving analyzer testing. (On-going)

Various Contracts, Various Locations, NY, *TBTA.* Tectonic is providing construction inspection services to ensure compliance with construction plans, specifications and building code requirements for various projects. Projects include: MTA Bridges & Tunnels - Construction Material Testing, and Aecom USA, Inc. - TBTA Randall's Island RK-65R.

RFK Bridge, Bronx, NY, *TBTA.*Tectonic is a sub-consultant to the HNTB Corporation. Tectonic is providing testing services for the Toll Plaza Study at the RFK Bridge.

Verrazano-Narrows Bridge Contract # VN-03B, NYC, *TBTA.* Tectonic was a sub-consultant for STV Incorporated. Tectonic provided construction inspection and testing services for the Verrazano-Narrows Bridge.

Retainer Contract for Inspection Services at Various Locations throughout NYC, Contract No. 47580001, *NYCEDC.* QA/QC & Lab Manager for this contract where Tectonic is providing on-call construction inspection services at various locations throughout NYC. Assignments include: Brooklyn Army Terminal, Cyclone Roller Coaster, Siphon Project at 355 Front Street, HHC Skilled Nursing Facility and Gansevoort Chiller Plant.

Contract #20090029460, Controlled Inspections and Testing Laboratory Services, *NYCHA.* QA/QC & Lab Manager for this contract where Tectonic is providing controlled inspection and testing laboratory services under a three-year, $3M contract for the rehabilitation of

Housing Authority properties throughout NYC. Services to date cover: roofing, structural steel, structural stability, all concrete, reinforced masonry, and masonry units. Assignments include: Kingsboro Houses, Whitman Ingersoll, Unity Plaza, Armstrong I & II, Ocean Hill Housing, Tapscott Housing, Bay View Housing, Marlboro Balconies, Stapleton Houses, Richmond Terrace Community, Independent Towers, Amsterdam Avenue, Drew Hamilton, A.C. Powell Blvd. Housing, Wise Towers, Rutgers Houses, Bayside Apts., Soundview, Throggs Neck Houses, Woodside Houses, Boston Secor, Mott Haven, Highbridge Gardens, Shelton Apts., South Jamaica Houses, Latimer Gardens, Conlon LIHFE, Murphy Houses, and St. Mary's Park Houses.

Special Inspection and Laboratory Testing Services SCA09-00013R, *NYCSCA.* QA/QC & Lab Manager for this project where Tectonic is providing inspection, testing and engineering services under a $7M contract. Scope of work include: concrete design mix, concrete, structural steel, non-destructive testing (NDT), asphalt, soils, fire-stopping, masonry, curtain wall, emergency generator inspections, mechanical controlled inspections (fuel burning/ fuel storage, noise control inspector, refrigerator system, high pressure steam, pipe weld inspector, emergency lighting, fire alarm testing, detention system, smoke test, and heating systems/ boilers).

Controlled Inspection and Laboratory Testing Services SCA10237, *NYCSCA.* QA/QC & Lab Manager for this project where Tectonic is providing management, inspection and testing services under the $7M contract to ensure compliance with construction plans, specifications and building code requirements for various schools across the boroughs of Manhattan, Queens and the Bronx. Scope of work includes concrete, structural steel, asphalt, soils, masonry, curtain wall and mechanical inspections. Certain assignments involve supervising the demolition of existing school buildings and construction of new buildings replete with classrooms, auditoriums, gymnasiums, cafeterias, administration offices, cellars, etc.

Controlled Inspection and Laboratory Testing Services SCA00045R, *NYCSCA.* QA/QC & Lab Manager for this project where Tectonic is performing inspection and testing services to ensure compliance with construction plans, specifications and building code requirements for various schools under the $11M requirement type contract.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_1R, *NYCDDC.* QA/QC & Lab Supervisor for this three-year, task-order contract valued at $3M where Tectonic was retained to provide Special Inspection and Laboratory Testing services for Correctional, Courts, DEP, and Juvenile Justice facilities. Services cover: boring/test pits, piling, sub-grade, controlled fill, underpinning, soil bearing pressure, welding, aluminum (shop inspection and field erection), laminated wood, high strength bolts, cable fittings, smoke test, fire stops, ventilation/refrigeration systems, fuel burning/storage, noise control, soil, curtain walls, shoring, structural stability and integrity of existing structures, reinforced masonry, masonry units, all concrete, concrete design mix, sprinklers, chimneys, emergency lighting, heating systems, drywell installation, wood floor trusses. Also supervising identical services under additional contracts RQ_A&E_2R and RQ_A&E_3R.

Chronological History of Employment

Tectonic – 2008-Present
Twin Peaks, Inc. – 2002-2008
Alchemy Design Studio – 1998-2002

JOHN D. PURDY, PE

Assignment
Constructability/Bidability

Years of Experience With Firm
34

With Other Firms
0

Education
B.S., Structural Design and Construction Engineering Technology, The Pennsylvania State University, 1979

Professional Registrations
PE: Pennsylvania - No [redacted] (1984)
Connecticut - No. PEN.[redacted] (1987)
New York - No.[redacted] (1992)
New Jersey - No. [redacted] (1996)

Current Responsibilities

Mr. Purdy is a Facilities Group Manager responsible for managing and directing the multidiscipline design of buildings, other facilities, and bridges and the complete development of plans and specifications for conceptual, preliminary, and final phases of projects. He is also responsible for contract compliance, budgets, schedules, and the coordination of project disciplines and subconsultants. Mr. Purdy is an invaluable addition to our Team, as he has worked with the PANYNJ since 1986.

Summary of Experience

Inspections of Facilities Impacted by Hurricane Sandy, Brooklyn, NY, *PANYNJ.* Project Manager for the inspection of several facilities impacted by Hurricane Sandy. Responsible for the inspection and letter report of hurricane/wind damage to three Pier Buildings at Red Hook port facilities at Piers 7, 11, and 12. Pier Sheds 7 and 11 are warehouses for goods while Pier Shed 12 is also known as the Brooklyn Cruise Terminal.

PATH Downtown Restoration Program, New York, NY, and Jersey City, NJ, *PANYNJ.* Tunnel (Structural) Project Manager responsible for structural inspections, analyses, and designs for structural rehabilitation. Work included demolition of all elements within the tunnel lining, duct bank replacement, the structural rehabilitation of two tubes under the Hudson River, and improvements to the Exchange Place Station. The improvements adjacent to the station consisted of blasting rock between adjacent tunnels to create new crossovers and lengthen the existing platforms for ten-car trains. Ventilation was reviewed and changes were incorporated into the construction effort.

Port Authority Trans-Hudson (PATH) Harrison Maintenance Facility, Harrison, NJ, *PATH.* Facilities Manager responsible for task-order assignments for upgrades to an existing shop to accommodate a new rail fleet. Tasks included various shop modifications and upgrades to accommodate the new rolling stock.

PATH 33rd Street Station Study, Manhattan, NY, *PANYNJ.* Project Manager responsible for a study to determine the source of seepage in a subway station. Seepage had been causing premature deterioration of the vault's steel framing members. The study involved probes into a utility vault contaminated with asbestos, the dye-testing of adjacent utilities, and a survey of utilities in the area. The probes allowed the use of remote cameras to survey the interior of the utility vault to assist in determining the sources of water infiltration. The study recommended repairs to remediate seepage and further deterioration.

PATH Station Inspections, Various Locations, NY and NJ, *PANYNJ.* Structural Project Engineer responsible for structural integrity inspections of seven stations built circa 1915. Performed inspections and determined the present condition of the stations, assessed their structural adequacy for continued service into the future, and prepared a report recommending short- and long-term repairs needed to preserve the present functions of the stations.

Condition Surveys of Four Structures at Journal Square Transportation Center, Jersey City, NJ, *PANYNJ.* Project Manager responsible for condition surveys and structural inspections of the façade and soffits of the administration building, entire parking garage structure, underside of transportation center framing over the track areas and CH Martin hardware store, and the JFK Boulevard bridge, which also traverses the tracks. Work involved identifying areas of structural deficiency or damage, including water infiltration, and developing repair recommendations for the structures.

Escalator Replacement at Bus Level, Journal Square Transportation Center, Jersey City, NJ, *PANYNJ.* Facilities Project Manager responsible for the replacement of eight public escalators. Responsibilities included oversight of structural renovations to existing supports, replacement of roadway precast-concrete members, installation of sump pumps, construction of new machine rooms, ventilation upgrades, and electrical installation.

Condition Survey of Journal Square Parking Garage, Journal Square Transportation Center, Jersey City, NJ, *PANYNJ.* Project Manager responsible for budget and schedule development, project management, quality checks, and client coordination for the inspection of a parking structure, auto ramp, and toll booths. Tasks included coordination with PATH personnel, management of field teams and inspection equipment, and report development.

World Trade Center Complex, New York, NY, *PANYNJ.* Project Manager responsible for providing structural engineering services at the World Trade Center complex. Projects involved studies and/or designs for improvements and rehabilitation at the five-building complex, including the two 110-story towers.

2008 Condition Survey of the BMW Parking Structure, New Jersey Marine Terminal, Bayonne, NJ, *PANYNJ.* Project Manager responsible for budget and schedule development, project management, quality checks, and client coordination for the inspection of a parking garage. Tasks included coordination with Port Authority and BMW personnel, management of field teams and inspection equipment, and report development.

2008 Condition Survey of Journal Square Parking Garage, Journal Square Transportation Center, Jersey City, NJ, *PANYNJ.* Project Manager responsible for budget and schedule development, project management, quality checks, and client coordination for the inspection of a parking structure, auto ramp, and toll booths. Tasks included coordination with Port Authority Trans-Hudson (PATH) personnel, management of field teams and inspection equipment, and report development.

2008 Condition Survey of Buildings 75, 78, 79, and 138, John F. Kennedy International Airport, Queens, NY, *PANYNJ.* Project Manager responsible for budget and schedule development, project management, quality checks, and client coordination for the inspection of two building facilities and one building facade. Tasks included coordination with airport personnel, security, management of field teams and inspection equipment, and report development.

2007 Condition Survey of Buildings 31, 121, 122, 123, 209, and 215, John F. Kennedy International Airport, Queens, NY, *PANYNJ.* Project Manager responsible for budget and schedule development, project management, quality checks, and client coordination for the inspection of six building facilities. Tasks included coordination with airport personnel, security, management of field teams, and report development.

Chronological History of Employment

Gannett Fleming – 1979-Present

BRIAN W. DORR, PE

Assignment
Constructability/Bidability

Years of Experience With Firm
22

With Other Firms
0

Education
B.S., Structural Design and Construction Engineering, The Pennsylvania State University, 1990

Professional Registrations
PE: New Jersey – [redacted] (1999)

Current Responsibilities

Mr. Dorr is a Project Manager responsible for all facets of highway and interchange construction projects, as well as site development projects. His experience includes geometric designs, traffic control and staging, utility relocations, construction cost estimates, signing, permitting, earthwork calculations, soil erosion, right-of-way engineering, and construction support.

Summary of Experience

Design Services for Replacement of Authority State Police Facilities, Multiple Locations, NJ, *NJTA.* Project Manager for the replacement of four New Jersey State Police (NJSP) barracks buildings, two on the New Jersey Turnpike and two on the Garden State Parkway. The project required a detailed site analysis for selection of two new sites. The building design is for a new state-of-the-art State Police barracks "prototypical" building design that is flexible and adaptable for three of the locations and a distinct building design for the Newark site. Responsible for developing cost-effective contract documents, including plans, specifications, and estimates (PS&E), which meet the needs of the NJTA and NJSP. Responsible for managing the development of plans, reports, and specifications; coordinating and communicating with the NJTA and NJSP; obtaining required permits; and managing scope, schedule, and budget. Each facility will incorporate sustainable design elements and be designed to current codes and Commission on Accreditation for Law Enforcement Agencies standards.

Design Services for Condition Assessment and Prioritization of Repair for Authority Maintenance Facilities, NJ, *NJTA.* Deputy Project Manager responsible for condition assessment, prioritization reports with costs to return facilities to a state of good repair, development of a prototype design of a new maintenance facility, and final design of a new 18,000-square-foot replacement maintenance facility at Turnpike District 6. The project required intensive coordination with NJTA personnel throughout the design development. The new District 6 maintenance facility design required utility service upgrades, site improvements, and site staging to maintain operations during construction. All design was performed to achieve a Leadership in Energy and Environmental Design (LEED) Silver certification. Responsible for coordination of all disciplines and design development of plans, specifications, and cost estimates (PS&E). Spearheaded approach and coordinated project team in obtaining permits, including New Jersey Department of Environmental Protection freshwater wetlands, soil erosion and sediment control, stormwater management, and New Jersey Department of Community Affairs permits. Responsible for maintaining project design schedules and budgets.

Holmdel Motor Vehicle Facility, Monmouth County, NJ, *NJTA.* Project Manager for the design of a 4,400-square-foot motor vehicle repair facility owned by the NJTA and operated by the New Jersey State Police. Project included design of a three-bay repair garage with adjoining parts room, offices, restrooms, and locker rooms. Responsible for coordination between disciplines and design development of plans, specifications, permits, and cost estimates. Coordinated all utility services and site upgrades. Maintained project design schedules and budgets. Managed the construction support services during construction.

I-78/Garden State Parkway Interchange 142 Improvements, Essex and Union Counties, NJ, *NJTA.* Utility Engineering Team Leader responsible for the utility engineering efforts for this project. Coordinated these efforts with 11 utility companies and Conrail, which resulted in $2 million of utility relocation work. Coordination with Conrail was required due to the widening of an I 78 bridge and its partial redecking over a Conrail abandoned rail spur. Prepared checklists and utility agreement plans and developed specifications for utility relocations in accordance with Chapter 10 of the NJDOT Procedures Manual. Work efforts were also performed in accordance with the state's utility accommodation policy found in Section 16:25 of the New Jersey Administrative Code.

NJ Route 18, Sections 2F, 7E, and 11H, Middlesex County, NJ, *NJDOT.* Project Manager responsible for construction support services on this $144 million multi-interchange project, which includes the total reconstruction and widening of 2.1 miles of NJ Route 18 to grade separate one interchange and construct collector-distributor roadways. The project includes the construction of 4 new roadway bridges, 2 new pedestrian bridges, 1 new culvert, 27 new retaining walls, and 7 new noise walls; the replacement of 1 pedestrian tunnel and 1 bulkhead; the installation of 16 new sign structures and 6 new or upgraded traffic signals; the rehabilitation of 1 historical wall; and the implementation of an extensive new intelligent transportation system (ITS). It also includes substantial utility relocations. In addition, the project involves the construction of additional parkland for the City of New Brunswick, including a public boat launching facility; the reconfiguration of an existing public park to include an amphitheater and picnic pavilion; and the use of extensive streetscape elements and architectural features. Construction features the use of drilled shafts/caissons, caisson pipe jacking and boring operations, architectural form liners, a concrete arch structure, and extensive architectural elements. Responsibilities involve providing day-to-day support services for NJDOT's resident engineer and staff for field issues, attending weekly progress meetings with the contractor's team, coordinating work efforts with utility companies and municipalities, managing the shop drawing review and approval process, reviewing the contractor's value engineering proposals, and assisting NJDOT's team of engineers and inspectors with project issues. The project has required regular community partnering meetings and public outreach efforts to keep the public and major stakeholders informed about traffic shifts, road closures, and construction progress.

U.S. Routes 1 and 9, Haynes Avenue Over the Waverly Yards, Newark, NJ, *NJDOT.* Project Manager/Task Leader for Railroad Agreements responsible for the development of railroad agreement plans for the reconstruction of the Haynes Avenue viaduct over Amtrak Northeast Corridor and Conrail tracks. The project involved deck and parapet reconstruction, steel repairs, girder jacking, and bridge bearing replacements alongside active rail lines. It required the temporary bonding and grounding of the existing structure and the protection of the existing catenary system during demolition work. Responsibilities included coordinating with Amtrak and Conrail for the development of project work restrictions and allowable outages, as well as temporary track protection requirements. It also included making certain that the design was in concurrence with NJDOT utility and railroad procedures, as well as with the state's utility accommodation policy found in Section 16:25 of the New Jersey Administrative Code. All work was performed in accordance with Chapter 10 of the NJDOT Procedures Manual.

Chronological History of Employment

Gannett Fleming – 1992-Present

JAMES A. UPRIGHT, PE

Assignment
Constructability/Bidability and General Engineering/ Construction Staging

Years of Experience With Firm
12

With Other Firms
1

Education
B.S., Geology, Cornell University, 1990

M. Eng. (Geologic Sciences) – Cornell University, 1992

Graduate Study – Geotechnical Engineering, University of Idaho

Professional Registrations
PE: New York – No. [redacted] (2008)

OSHA HAZWOPER Site Supervisor Training (2006)

OSHA HAZWOPER 8-Hour Refresher (2011)

OSHA HAZWOPER 40 Hour Training (1999)

OSHA 30-Hour Construction Safety and Health Training (2011)

ERSI ArcGIS Trained - Basic and Raster Data Processing (2007)

CETCO Certified Geosynthetic Installation Inspector (2008)

Troxler Certified (1999)

Current Responsibilities

As a Senior Engineer, Mr. Upright is responsible for environmental, hydrogeologic, and geotechnical investigations. His environmental responsibilities include analyzing environmental data; analysis of GIS data, preparation and review of GIS maps and environmental reports, and supervision and engineering oversight of monitoring well installations; and collection of environmental soil and water samples. Mr. Upright is also responsible for hydrogeologic tasks, including groundwater modeling, well siting analysis; inspection and analysis of well pump tests; and preparation of pump test reports. His geotechnical responsibilities include analysis of geotechnical data; and preparation of geotechnical reports, controlled inspections of foundation subgrades, soil and rock anchor installations and pile driving. Additional construction inspection responsibilities include: earthwork placement; in-place density testing of soils with nuclear density gauge; and preparation and review of field inspection reports.

Summary of Experience

Madison Yards, New York, NY, *MTA Metro-North Railroad.* Senior Geotechnical Engineer responsible for this project which consisted of the construction of elevator and escalator shafts for the Madison Yards portion of the MTA's East Side Access Project. Performed controlled inspections of installation and performance and proof tests for strand and bar anchors in compliance with NYC Code requirements and project specifications. Prepared anchor inspection summary reports. Performed NYC required subgrade inspections for footings for pile caps and elevator shafts to verify that the footings were bearing on 25 tsf bedrock.

44th Street Vent Plant, New York, NY, *MTA Metro-North Railroad.* Senior Geotechnical Engineer for this project which consisted of the construction of a new vent plant for the MTA's East Side Access project adjacent to Grand Central Terminal. Performed NYC required subgrade inspections for footings for footings and piers to verify that the footings were bearing on 10 tsf bedrock.

Tappan Zee Bridge Marina, NY, *NYSTA.* Engineering Geologist responsible for providing site inspection of sediment samples by contractor using vibracore sampling technique for the Tappan Zee Bridge Marina Project involving assisting the NYSTA in obtaining a New York District Army Corps of Engineers and an Environmental Protection Agency approved permit to dredge at the Tappan Zee Bridge Marina.

York College Academic Core Building Dewatering Investigation, Queens, NY, *DASNY.* Project hydrogeologist responsible for this project which consisted of evaluating the subsurface conditions to

determine the design parameters for a permanent dewatering system. Designed a subsurface investigation and well installation for a pump test. Directed soil boring and pumping and monitoring well installation. Performed pump test and collected data from monitoring well network. Analyzed pump test data to determine hydraulic conductivity of the aquifer. Modeled current groundwater conditions using Visual MODFLOW and then modeled a preliminary groundwater dewatering system to determine optimum well locations and approximate quantity of the dewatering system discharge. Evaluated potential methods for disposing of dewatering discharge. Performed an additional investigation to determine if an infiltration field was a feasible method for disposing of the dewatering effluent which included directing a subsurface investigation of potential infiltration field locations and performing groundwater modeling using Visual MODFLOW to model the effects of the pumping and recharge system.

Owl Hollow Fields Environmental Monitoring, Staten Island, NY, *NYC Department of Parks and Recreation.* Project Engineer for this project where Tectonic was selected as the NYSDEC Independent Environmental Monitor for the remedial capping of an 11 acre PCB and solid waste contaminated site at Freshkills Landfill in Staten Island during its conversion into community soccer fields. Tectonic is responsible for verifying that all aspects of Site Management Plan are complied with during remedial activities. Performed oversight of the remedial removal of PCB contaminated soil hotspot, monitored soil excavations and fill delivery and placement activities, and prepared bi-weekly activity summary reports summarizing site monitoring activities for submittal to NYSDEC. Also performed air monitoring using PID and real-time particulate monitors per the approved CAMP in the SMP.

Central Park Police Precinct Environmental Services, New York, NY, *NYCDDC.* Project Engineer responsible for providing technical direction and oversight of a project that involves renovating an existing police precinct building to a modern facility within a historic landmark building. There are known to have been two (2) 550 gallon gasoline underground storage tanks (USTs) and one 8,000 gallon fuel oil UST located adjacent to the existing building on the property. During a previous environmental subsurface investigation, soils impacted with fuel oil were identified on the property up to the edge of the building and within the building footprint. As technical engineer, performed the remedial investigation and prepared the Remedial Investigation Report. Prepared a Remedial Action Plan consisting of an active vapor intrusion control system; underdrains to control groundwater potential impacted with VOCs; and prepared reports including a HASP and CAMP in accordance with TAGM 4031 guidelines. Designed subslab SVE extraction wells and coordinated the design of a SVE treatment system to extract VOCs from the subslab soils and coordinated design of the SVE treatment system in a custom designed vault located adjacent to the structure. Obtained approval for SVE system from NYSDEC.

Adams UST Spill Investigation and Remedial Closure, Highland Mills, NY, *NYSDEC.* Project Engineer responsible for performing technical services for the investigation of a spill caused by an underground storage tank located adjacent to the site residence. Performed remedial investigation, prepared a remedial investigation report and provided a remedial action plan in accordance with NYSDEC STARS guidance for SVOC petroleum hydrocarbons to determine the area impacted on the property. Also provided direct coordination with the environmental contractor that performed remedial removals of contaminated soil. Prepared a NYSDEC closure report, including results of investigation and documentation of the tank removal with associated transportation manifests and disposal tickets.

Chronological History of Employment

Tectonic – 2002-Present

DAVID M. GORSKI, EIT

Assignment
Schedule Development and Monitoring

Years of Experience With Firm
37

With Other Firms
7

Education
A.S., Applied Science-Civil Engineering, Erie County Technical Institute (now Erie Community College), 1969

B.S., Structural Design and Construction Engineering Technology, The Pennsylvania State University, 1994

Professional Registrations
EIT: Pennsylvania – No. [redacted] (1995)

Current Responsibilities

Mr. Gorski is a Senior Project Scheduler responsible for developing and monitoring project design and construction schedules using Primavera Project Planner (P3, P6)/SureTrak, Microsoft Project, and Open Plan software; providing document control services; developing project and change order engineer's estimates; developing computer-applicable tracking systems for document control, project progress reports, change orders, and construction time analyses; and performing project and task management activities. He is assigned as the main contact for Pennsylvania Department of Transportation (PennDOT) Districts 2-0, 3-0, 4-0, 5-0, and 11-0, and provides project scheduling support, technical reviews, and quality assurance functions for PennDOT's Bureau of Design, Highway Quality Assurance Division.

Summary of Experience

Port Authority Trans-Hudson (PATH) Car Cleaning Facility at Waldo Yard, Jersey City, NJ, *PANYNJ.* Chief Scheduler responsible for the engineer's estimate and documentation for facilities and site improvements for an automatic railcar wash facility and the conversion of an existing running repair shop to a facility for comprehensive cleaning of all PATH cars.

MTA Long Island Rail Road and Vanderbilt Yard Relocation, Brooklyn, NY, *Forest City Ratner Companies, Atlantic Yards LLC.* Chief Scheduler responsible for developing the project construction schedule. The project scope included the demolition of existing rail storage and support facilities in phases to facilitate the lowering of the existing yard and construction of new storage track, vehicle roadways to the depressed yard, yard support facilities, bridge structure spanning the yard allowing street level vehicle movement, and improved roadways.

Office Renovation-NYPD Brooklyn Municipal Building, Brooklyn, NY, *City of New York Police Department, Brooklyn Court Section.* Chief Scheduler responsible for developing the project construction schedule. The schedule addressed the renovation of 5,800 square feet of office, storage, and operational spaces, as well as mechanical and electrical replacements and improvements. The renovation required select repair or demolition of existing amenities; installation of new flooring; wall treatments; suspended ceilings; complete toilet room renovations; room lighting; electrical services and upgrades; and heating, ventilation, and air-conditioning (HVAC) services and upgrades. The estimated construction cost was $1.8 million.

Appellate Division, Roof and Miscellaneous Operational Space Upgrade, Manhattan, NY, *New York City Department of Citywide Administrative Services.* Chief Scheduler responsible for developing the project construction schedule. The schedule addressed the renovation of office, storage, and operational spaces; roof replacement; exterior masonry repair; weatherproofing; the mechanical system; and electrical replacement and upgrades. The internal space renovation totaled 6,500 square feet, with 7,000 square feet of roof replacement. The estimated construction cost was $3.3 million.

Harmon Maintenance Complex Phase IV/Stage 1, Croton-on-Hudson, NY, *MTA Metro-North Railroad.* Lead Scheduler responsible for developing the project design schedule for each design discipline. Also in charge of developing the project phasing and construction schedule. The multidisciplinary effort involves multiple fixed facility improvement projects at the maintenance complex.

LIRR Shop Improvements Project, Queens, NY, *MTA Long Island Rail Road.* Scheduler responsible for the preparation of the project's 19-month design schedule, which included monthly progressing of design tasks and monitoring delivery dates. Updates were submitted to the design team and client for information and status review. Also responsible for the preparation of a construction and implementation schedule for shop improvements, which included demolition, new construction, machine equipment installation and relocation, and staging of work to maintain uninterrupted shop operations.

Henry Hudson Service Facility, New York, NY, *MTA Bridges and Tunnels.* Scheduler responsible for the preparation of a project construction schedule for phased heating, ventilation, and air-conditioning (HVAC) improvements for a service facility. The construction required the phased replacement of HVAC equipment, which included installing temporary HVAC equipment and the demolition and installation of new pumps, associated piping, pump controls, air dampers, and other miscellaneous improvements.

Grand Avenue Bus Depot and Central Maintenance Facility, Queens, NY, *MTA New York City Transit.* Chief Project Scheduler responsible for the design schedule portion of a bus maintenance facility design-build project. The team consisted of three design firms and the building contractor for a 750,000-square-foot, three-level maintenance facility. Project requirements included weekly updates to the design schedule based on design and drawing completion. Ten discipline matrices were developed to facilitate measuring design progress and establish invoicing of the lump sum design contract.

East Side Access Project, Mid-Day Storage Yard, Queens, NY, *MTA Long Island Rail Road.* Chief Scheduler responsible for the development of a design schedule. Based on a defined scope of work and budget work effort, a multi-firm/design discipline design schedule was developed to represent the physical project components, design phases, design reviews, and task and subtask interdependencies. The project's physical components consisted of yard trackage, site utilities, a yard service building, a train wash facility, yard car appearance maintenance platforms, fire water pump buildings, yard power and lighting, and equipment for signals and communications. Special geotechnical work was also incorporated into the design schedule.

Seawall and Promenade at the Cross Bay Bridge Facility, Brooklyn, NY, *MTA Bridges and Tunnels.* Chief Scheduler responsible for the development of a construction schedule representing site work improvements along a pedestrian park.

NJ Route 18 Extension, Section 2A, Piscataway, NJ, *NJDOT.* Chief Scheduler responsible for the development of a constructability schedule for a highway relocation and extension project. The project required the phased construction of 6 bridge structures, 13 ramps, 10 retaining walls, and 2.6 km of four-lane highway, as well as 8 secondary roads and a multipurpose pathway. A unique coding structure was developed to filter, group, and summarize construction activities for schedule review and planning.

Chronological History of Employment

Gannett Fleming – 1976-Present
Suburban Mobility Authority for Regional Transportation (formerly Southeastern Michigan Transportation Authority), Detroit, MI – 1979-1986

STANLEY MICHALOWSKI

Assignment
Schedule Development and Monitoring

Years of Experience With Firm
3

With Other Firms
34

Education
A.A.S., Applied Science, Control Data Institute New York, 1976

Current Responsibilities

Mr. Michalowski is a Senior Scheduler responsible for developing complete project schedules, budgets, and cost to complete. He provides detailed information on project phasing and staffing plans and calculates escalation costs, and prepares charts and graphs to support this information for presentation purposes.

Summary of Experience

Newtown Creek Wastewater Treatment Plant Upgrades, Brooklyn, NY, *New York City Department of Environmental Protection.* Senior Scheduler responsible for developing project schedules, budgets, and cost to complete for each contract under the Phase 3 upgrade of the 310 mgd wastewater treatment plant. Provided detailed information on project phasing and staffing plans and calculated escalation costs. Prepared charts and graphs to support this information for presentation purposes.

World Trade Center Restoration, New York, NY, *PANYNJ.* Senior Scheduler managing cost estimating and scheduling departments. Responsible for all scheduling-related issues as related to the Freedom Tower, Memorial, Towers 2, 3, 4, and 5; vehicle security center; chiller plant; transit hub; park; streets; and plazas.

Owls Head Water Pollution Control Plant Scheduler Assistance, Brooklyn, NY, *New York City Department of Environmental Protection.* Senior Scheduler providing project scheduling services at the plant's construction field office to support construction management efforts for an upgrade to the plant's residuals building and modifications to its odor control system.

East Side Access Project, LIRR to Grand Central Station, New York, NY, *MTA Long Island Rail Road (LIRR).* Senior Scheduler responsible for re-baselining effort for the project, which was completed successfully. The schedule was fully integrated with the design and construction of more than 30 sub-projects. Identified 6,000 cost-loaded activities that defined the design portion of the project. The design efforts included environmental, geotechnical, drainage, track alignment, right-of-way, maintenance and protection of traffic, utilities, survey, plumbing, grading, ventilation, and tunnel boring machine tunneling. Using Primavera's P3, Microsoft's Excel, and Corel Presentations as some of the primary tools, provided a thorough analysis of the project staging and identified potential scheduling and productivity issues. Interfaced with the risk management team to develop risk and hazard-related elements of the project. Developed a 200-page reference manual related to project risks and hazards, which included preliminary hazard analysis, hazard analysis, hazard and operability study, fault tree analysis, failure modes and effects analysis, and safety and security certification.

Jamaica Station Construction, Jamaica, NY, *MTA Long Island Rail Road (LIRR).* Senior Scheduler and Project Controller responsible for developing scheduling coding requirements for LIRR's Jamaica Station. Coordinated track outages for Atlantic Avenue with several contractors, which involved merging schedules. Created station track occupancy charts. Set up a system for taking and archiving progress pictures. Provided an analysis of train routing with Main, Montauk, and Atlantic Lines. Coordinated concurrent work with the concrete tie program and the Jamaica Control Center/John F. Kennedy International Airport AirTrain project. Conducted an analysis of platform/track capacity with drop off and go methods.

Developed drawings for Jamaica to identify and track progress. Identified serious scheduling flaws with the schedules in conflict with track outages.

New York City Transit Station Rehabilitation, New York, NY, *MTA New York City Transit.* Consultant and Technical Support in the areas of project management and scheduling. Participated in bid documentation and awards. Responsible for equipment and material procurement. Prepared documentation for schedule development and construction operations. Organized progress monthly narrative reports including project closeouts and owner turnover.

Staten Island Courthouse Renovation, Staten Island, NY. Senior Scheduler responsible for work on construction projects, including time extensions and impact analysis. Developed construction schedules for plumbing, fire protection, electrical, telecom, and security.

Director of Scheduling and Project Controls, NY, *VJ Associates.* Senior Scheduler providing support for completion of wastewater treatment facilities, school construction, and transportation. Responsible for data center construction and renovation. Installed, tested, and commissioned equipment including uninterruptible power supply; generators; heating, ventilation, and air-conditioning (HVAC); computer-room air-conditioning units; air-cooled and liquid-cooled chillers; and cooling towers. Also in charge of the integrated testing of equipment.

Chronological History of Employment

Gannett Fleming – 2010-Present
VJ Associates – 2007-2009
Louis Berger Group – 2007
STV Inc. – 2002-2006
The LiRo Group – 1999-2002
Metro F&V – 1996-1999
Watchtower Bible and Tract Society – 1992-1996
Computer Graphics Lab, Inc. – 1981-1992
Grumman Data Systems – 1978-1981

CLAY A. CORJULO

Assignment
Inspector

Years of Experience With Firm
10

With Other Firms
9

Education
B.A., Geology, Hartwick College, 1986

Professional Registrations
Troxler Nuclear Testing Equipment Certification: No. [redacted] 1993)

NICET Level IV - Highway Construction: No. [redacted] (1995)

ATSSA Traffic Control Technician: No. [redacted] (1999)

ACI Concrete Field Testing Technician - Grade I: No. [redacted] (2001)

Current Responsibilities

Mr. Corjulo is a Senior Inspector responsible for quality assurance specifications and pay quantity calculations for all earthwork and paving operations. He also assists the resident engineer with staff supervision and project recordkeeping.

Summary of Experience

Widening of U.S. Route 7, Danbury and Ridgefield, CT, *ConnDOT.* Senior Inspector for a $17 million, 2.1-mile-long highway widening. This portion of U.S. Route 7 is classified as a principal urban arterial and is the primary north-south route in western Fairfield County. The existing highway had capacity and geometric deficiencies that caused unsafe driving conditions and delays. Improvements included widening the highway from two lanes to four lanes and adding left-turn lanes at three realigned intersections. It will also improve safety and relieve traffic congestion by improving roadway geometry and implementing two new signalized intersections. A three-cell box culvert was constructed on one of the side streets as part of the intersection realignment, and an existing box culvert under the highway was improved. The changes in geometry required extensive earthmoving activities, including rock blasting operations. The roadway drainage system will also be greatly improved. At the southern end of the corridor, drainage was handled with a closed system; the remainder of the corridor will have an open drainage system. The new pavement was Superpave. The changes resulted in the loss of 2.31 acres of wetland habitat but created 3.48 acres of new wetlands.

NY Route 17 and I-84 Interchange Reconstruction, Orange County, NY, *New York State Department of Transportation, Region 8.* Senior Inspector for a $68 million reconstruction contract. Responsibilities include inspecting structures, paving, and blasting, as well as recordkeeping, testing, and supervising field inspection staff. The project involves improvements to NY Route 17 between Exits 121 and 122 at the I-84 Interchange. Improvements to NY Route 17 include 2 miles of full-depth pavement replacement and 2 miles of mill and fill, as well as full-depth reconstruction of the I-84 Interchange ramp system. Highway and structures work includes the following:

- NY Route 17 East/West over I-84 Bridge - Involved rehabilitation, including replacement of the superstructure, backwalls, pedestals, and bearings with repair work to the existing pier.
- Reconstruction of existing NY Route 17EB, including profile and alignment change and retaining wall construction, to accommodate new travel lanes and ramps. Responsible for inspection duties including all traffic shifts and phase work associated with staging requirements.
- Construction of new East Main Street roadway and intersection for access to new Regional Medical Center in Orange County, New York. Responsible for inspection duties including all traffic shifts, local maintenance and protection of traffic coordination, and earthwork activities. This work required several months of blasting to complete and was performed in a hospital zone.

- NY Route 17 bridge over NY Route 211 - Involved replacement of the bridge rail with a single-slope concrete barrier, and mill and fill of asphalt on bridge approach slabs.
- Final paving of NY Route 17East/West mainline to project limits and all interim phase work paving activities to completion.

Garden State Parkway, Bridge Repairs and Resurfacing, Milepost 0 to 126, NJ, *NJTA.* Senior Inspector for a $25 million bridge repair and resurfacing project. The repair work required high intensity construction cycles to complete deck repairs with minimum traffic issues. Responsibilities included record keeping, testing, field inspection, and item payments. Additional responsibilities included providing on-site field source documentation from remote areas to transmittal and processing field changes with the main office.

NY Route 6 Bridge Replacement, Contract D260755, PIN 8390.76, Brewster and Carmel, NY, *NYSDOT.* Senior Inspector for a $4 million bridge replacement over a future Putnam County bikeway. The replacement required staged construction for the removal and replacement of a bi-directional, two-lane bridge on Route 6, which is the primary access route to Carmel. Responsibilities included record keeping, testing, field inspection, and item payments. Also prepared monthly estimates, project correspondence, and meeting minutes.

Resurfacing and Safety Improvements on I-684, Contract D015455, PIN 8113.33, Harrison, NY, *NYSDOT.* Senior Inspector for asphalt concrete reconstruction and the rehabilitation of five highway bridges. Duties included inspection of milling operations, deck patching, and placement of asphalt concrete pavement.

Resurfacing and Safety Improvements on I-91, East Windsor and Enfield, CT, *ConnDOT.* Senior Inspector for a $12 million rehabilitation of I 91. The project was 7.5 miles long and involved removing an existing bituminous surface, repairing the concrete base, and resurfacing with Superpave. The project also included rehabilitating six bridge decks, replacing the metal beam guide rail, and adjusting drainage structures.

I-95 Reconstruction, Stamford, CT, *ConnDOT.* Senior Inspector responsible for overseeing bridge and roadway construction for a $28 million bridge and highway reconstruction project.

S.R. 3/I-91 Interchange, Wethersfield, CT, *ConnDOT.* Senior Inspector responsible for overseeing an $18 million bridge and roadway construction project. Tasks included the inspection of many roadway and bridge-related activities.

U.S. Route 17 Reconstruction, Alamo, NV, *Nevada Department of Transportation.* Senior Inspector responsible for assisting in the oversight of 17 miles of state highway reconstruction for an $11 million project.

U.S. Route 66 Widening and Railroad Bridge Replacement, Middletown, CT, *ConnDOT.* Senior Inspector responsible for overseeing roadway and bridge construction. Tasks included inspecting railroad bridge and track construction, coordinating the installation of public utilities, and overseeing the placement of drainage structures and bituminous concrete paving.

Chronological History of Employment

Gannett Fleming – 2003-Present
H. W. Lochner, Inc., Wethersfield, CT – 1993-1995; 1997-2000
URS Consultants, Middletown, CT – 1995-1997
J. J. Kassner Engineering, Lake Success, NY – 1991-1993

RAIMUNDO GORRIN

Assignment
Inspector

Years of Experience With Firm
4

With Other Firms
12

Professional Registrations
Nuclear Density Gauge Certified (2001)

Asphalt Paving Construction Technologist: New Jersey Society of Asphalt Technologists, Inc. (2006)

Traffic Control Coordinator: Rutgers, The State University of New Jersey (2007)

NICET Level I - Bridge Safety Inspection: No. [redacted] (2008)

NICET Level IV- Highway Construction: No. [redacted] (2009)

ACI Concrete Field Testing Technician - Grade I: No. [redacted] (2013)

Current Responsibilities

Mr. Gorrin is a Construction Inspector responsible for inspecting and observing construction activities throughout projects. His tasks include providing detailed construction reports, updating as-built files, and coordinating activities between contractors and owners.

Summary of Experience

Maintenance Roadway Repair Services, Monmouth County, NJ, *NJDOT.* Assistant Resident Engineer for this $6.7 million resurfacing project along various locations and sections of NJ Routes 9, 33, 34, and 66 in Monmouth County, New Jersey. Project includes 335,000 square yards of milling existing pavement, 12,000 tons of intermediate course paving, and 37,000 tons of surface course paving. Responsibilities included making sure that contractor met compliance with NJDOT plans and specifications; reviewing lab reports and enforcing corrective action on defective material and workmanship; and making certain that correspondence, daily reports, test reports, material receipts, material submittals, permit approvals, and documentation were filed properly with NJDOT. Tasks also included preparing and reviewing daily inspection reports; submitting traffic interference reports to NJDOT Traffic Operations; coordinating inspections; scheduling traffic lane closures and work zone safety inspections including light towers necessary for nighttime operations; and scheduling materials testing necessary by NJDOT. Also inspected pavement milling, hot-mix asphalt paving, drainage repairs, barrier placement, pavement markings and delineators, bridge deck and joint repairs, bridge deck waterproofing membrane, concrete vertical and sloping curb, and seeding and mulching. Also inspected maintenance and protection of traffic and verified proper lighting levels during night work.

Maintenance Roadway Repair Contract, U.S. Route 1 Northbound and Southbound and U.S. Route 22 Eastbound and Westbound, Middlesex and Somerset Counties, NJ, *NJDOT.* Road Construction Inspector for this $6.5 million resurfacing project. Project consisted of resurfacing various sections of roadway along U.S. Routes 1 and 22. Responsibilities included supervising/scheduling inspection staff and inspecting various items including 3,000 square yards of full-depth concrete pavement repair, more than 347,000 square yards milling of existing pavement, more than 59,000 tons of hot-mix asphalt intermediate and surface course paving, striping, and reflective pavement markers. Also monitored contractor maintenance and protection of traffic and environmental and erosion controls. Work was conducted using nighttime operations.

Con Edison M-29 345 kV Transmission Feeder Upgrade, Yonkers, NY, *Con Edison and City of Yonkers.* Senior Inspector for this 2-mile, $15 million section of Con Edison's $425 million 345 kV transmission feeder upgrade project through the City of Yonkers, New York. Responsible for coordinating work with subcontracted utility and excavation contractors, the City Department of Public Works and Con Edison, and local entities, as well as inspecting contract work. The project scope included extensive maintenance and protection of traffic in a heavily congested urban area including road closures and detours, hot-mix asphalt (HMA) pavement excavation, trench excavation/sheeting/shoring, installation of 12,000 LF of 10-inch conduit and 6-inch cooling oil return conduit, installation of 12 precast-concrete vaults, backfill and compaction, and pavement restoration with HMA pavement. The project required night work.

I-195 Eastbound From West of Ivanhoe Brook to West of NJ Route 9, Resurfacing and Guide Rail Upgrades, Monmouth and Ocean Counties, NJ, *NJDOT.* Assistant Resident Engineer and Road Construction Inspector for this $10.8 million interstate highway resurfacing project. The project consisted of resurfacing 15 miles eastbound from Milepost (MP) 12 to MP 27.1, repairs to three bridges, and extensive guide rail upgrades. Responsibilities included supervising/scheduling inspection staff and inspecting various items including more than 300,000 square yards milling of existing pavement, more than 130,000 tons of Superpave hot-mix asphalt intermediate and surface course paving, striping, reflective pavement markers, rumble strips, and more than 2 miles of beam guide rail. Bridge work inspected included Type B concrete deck repairs, asphaltic bridge joints, membrane waterproofing, and Superpave overlay. Also monitored contractor maintenance and protection of traffic and environmental and erosion controls. Work was conducted using nighttime operations.

NJ Route 440 Southbound Resurfacing From I-95 Interchange to South of Kreil Avenue, Perth Amboy, NJ, *NJDOT.* Road Construction Inspector for this $5.9 million resurfacing project. Project consisted of resurfacing 4 miles of NJ Route 440 southbound from the Outerbridge Crossing from New York to limits of I-287 north. Responsibilities included making sure of proper traffic control and safety with the traffic control coordinator including lane closures, ramp closures, and detours. Scheduled and assigned inspection duties to staff and inspected items including 8,000 square feet of full-depth concrete pavement repairs, 5,200 square yards of spray-applied waterproofing membrane to existing bridge decks, 29,000 square yards of milling, 109,500 square yards of diamond grinding of existing concrete pavement under overpasses, 2,400 cubic yards of roadway excavation, 28,000 tons of Superpave hot-mix asphalt paving, 4,900 LF beam guide rail replacement, line striping, reflective pavement markers, and rumble strips. Project conducted entirely under nighttime closures.

I-195 Resurfacing, Eastbound From NJ Route 9 Interchange to NJ Route 34 Interchange, Westbound From Mingamahone Brook to NJ Route 34 Interchange, Monmouth County, NJ, *NJDOT.* Road Construction Inspector for this $6.2 million interstate highway resurfacing project. Project consisted of resurfacing 7.89 miles eastbound from NJ Route 9 to limits of U.S. Route 130 and 3.2 miles westbound from limits of U.S. Route 130 westbound to C.R. 547. Responsibilities included inspection of items including traffic control and safety, 182,000 square yards milling of existing pavement, more than 90,000 tons of Superpave hot-mix asphalt intermediate and surface course paving, striping, reflective pavement markers, and rumble strips. Work was conducted using nighttime operations.

Chronological History of Employment

Gannett Fleming – 2010-Present
CMX – 2004-2010
Schoor Depalma – 2001-2004
Bay Pointe Engineering – 1994-2001

THOMAS A. WARGO

Assignment
Inspector

Years of Experience With Firm
20

With Other Firms
9

Education
B.S., Civil Engineering, Roger Williams University, 1984

Professional Registrations
NICET Level IV - Highway Construction: No. [redacted] (1996)

NETTCP Concrete Inspector - No. [redacted] (2009)

NETTCP Hot-Mix Asphalt Paving Inspector - No. 607 (2010)

Nuclear Density Gauge Testing Equipment Certification (2011)

ACI Concrete Field Testing Technician - Grade I (2011)

Traffic Control Supervisor: American Traffic Safety Services Association - No. [redacted] 2014)

Current Responsibilities

Mr. Wargo is a Senior Inspector responsible for providing contract administration services and inspecting construction to verify its completion in accordance with contract requirements and specifications.

Summary of Experience

Project Nos. 63-643 and 93-180, New Britain-Hartford Busway, Hartford, West Hartford, and Newington, CT, *ConnDOT.* Senior Inspector responsible for providing technical inspection and administration services for a $130.6 million bus rapid transit construction project. The project (Contract 3) entails the middle and largest section of the $567 million New Britain-Hartford Busway. It is being constructed partially along abandoned railroad right-of-way and partially along active Amtrak right-of-way. The Contract 3 project consists of the construction of 7 out of 11 stations serving the busway and faces the challenges of coordinating with Amtrak and seven designers of record, four other adjacent construction projects, contract schedules with multiple milestones, geotechnical issues, structural (bridges) construction in congested downtown areas, and environmental concerns. Project 63-643 will replace the at-grade crossing on Flatbush Avenue with a grade-separated crossing. This requires a bridge over the Amtrak right-of-way and embankment approaches to the bridge. The construction of these embankment approaches will require the use of wick drains, pile foundations, and installation of Geofoam lightweight fill to accommodate the existing soil conditions. Project 93-180 will construct the busway from Cedar Street in Newington to Sigourney Street in Hartford. This requires the construction of more than 5 miles of roadway, 44 retaining walls, 8 new bridges, approximately 8 miles of drainage, including drainage pipe jacking under the active Amtrak railroad, 7 stations, wetland mitigation, and a gravel access road for Amtrak.

Project 92-533/569, Contract C2, Reconstruction of I-95 in New Haven From Stiles Street to the New Haven/East Haven Town Line, New Haven and East Haven, CT, *ConnDOT.* Senior Inspector for the technical inspection and administration of the $70 million reconstruction and widening of I-95 in New Haven. The major components of this project included staged construction for the widening of I-95 between the frontage roads in East Haven and the east approach of the Pearl Harbor Memorial Bridge in New Haven while maintaining average daily traffic of more than 140,000 vehicles. The project included the replacement of four flyover bridges over I-95, the construction of a new interchange and connector roadways, the replacement of I-95 mainline bridges, and the construction of more than 1,500 meters of retaining walls that use an architectural form liner to simulate stone. The project also included drilled shafts for pier foundations; more than 200,000 cubic meters of fill embankments for the new interchange and connector roadways; new highway drainage, illumination, and signalization; and incident management system installations. This project is one of several major contracts that are part of a coordinated $1 billion

I-95 corridor improvement program being implemented in the New Haven area. Multiple contracts are underway simultaneously.

Reconstruction of I-95/I-91/CT Route 34 Interchange, Project No. 92-619, Contract E2, New Haven, CT, *ConnDOT.* Senior Inspector for a project involving construction engineering and inspection services for a $91 million interchange reconstruction. The contract includes the use of an Internet collaboration server-based project management system for all project correspondence and electronic submittal and review. The construction contract also requires a contractor-prepared quality control management plan. The major component of the project includes the construction of a new ramp bridge to carry I-95 northbound traffic to CT Route 34 westbound and downtown New Haven. The new bridge will replace the existing left-hand exit ramp and bridges. A twin steel box-girder bridge spanning over both directions of I-95 will require nighttime steel erection using 20-minute traffic stoppages. The project also includes the staged construction widening and replacement of two existing CT Route 34 and I-95 bridges and the vertical realignment and widening of the converging I-91 and I-95 southbound ramps to CT Route 34 westbound. Ten new retaining walls will be constructed to support the new ramp alignments and relocate the I-95 entrance and exit ramps. The retaining walls use an architectural form liner to simulate stone. The project also includes the installation of approximately 600 precast-concrete friction piles for new foundations; the extensive use of lightweight fill for embankment construction; installation of new highway drainage; illumination; signalization; and incident management system installations. This is one of several major contracts that are underway simultaneously and part of a coordinated $1 billion I-95 corridor improvement program being implemented in the New Haven area.

Project No. 92-527, Rehabilitation and Painting of Bridge No. 333, CT Route 34 Over Metro-North Railroad (MNR)/Amtrak Tracks and Union Avenue, New Haven, CT, *ConnDOT.* Senior Inspector for the construction inspection of a new enclosed inspection platform under the center span of CT Route 34 where it crosses MNR and Amtrak mainline tracks. Work involved inspecting the rehabilitation of the deteriorated structural steel sections of the bridge and structural steel work, including the replacement of approximately 2,500 deteriorated rivets and the structural repair work at the finger joints. Work also involved inspecting the removal and replacement of the existing bridge drainage along the east abutment and at Pier 1. Other duties involved calculating quantities for monthly estimates and performing material sampling and testing.

Church Street South Extension Over the New Haven Interlocking and Rail Yard, New Haven, CT, *ConnDOT.* Senior Inspector responsible for construction inspections during the extension of Church Street from downtown New Haven to Sargent Drive. The construction of this new section of roadway included nine bridge spans. The main bridge span carrying Church Street over active Northeast Corridor railroad tracks consists of a 320-foot, galvanized, through-truss segment, which was assembled and erected on temporary supports outside the main track envelope and placed in its final position using a high-capacity crane in one overnight lifting operation. Responsibilities included inspecting the installation of a 12-foot by 4-foot box culvert, prestressed-concrete pile-supported piers, tide gate/culvert cambers, and reinforcing steel; backfill placement; concrete forming; structural steel erection; and concrete and asphalt placement.

Chronological History of Employment

Gannett Fleming – 1994-Present
Greiner, Rocky Hill, CT – 1992-1994
Pavlo Engineers, New York, NY – 1986-1992
Wiswell, Inc., Southport, CT – 1984-1985

GARY L. SPLAIN

Assignment
Inspector

Years of Experience With Firm
33

With Other Firms
0

Education
Civil Engineering Courses, The Pennsylvania State University, 1976-1979

Professional Registrations
Certified Troxler Nuclear Density Gauge Operator - No. [redacted] (1989)

NICET Level IV - Highway Construction: No. [redacted] (1991)

ACI Concrete Field Testing Technician - Grade I: No. [redacted] (2010)

NETTCP Concrete Inspector - No. [redacted] (2010)

NETTCP Hot Mix Asphalt Paving Inspector - No. [redacted] (2011)

Traffic Control Supervisor: American Traffic Safety Services Association - No. [redacted] (2012)

Current Responsibilities

Mr. Splain is a Chief Inspector for structural designs and the technical inspection of construction projects in New York, Connecticut, New Jersey, Pennsylvania, and other areas for the firm. His responsibilities include reviewing shop drawings and providing other construction-phase services.

Summary of Experience

Project Nos. 63-643 and 93-180, New Britain-Hartford Busway, Hartford, West Hartford, and Newington, CT, *ConnDOT.* Senior Inspector responsible for providing technical inspection and administration services for a $130.6 million bus rapid transit construction project. The project (Contract 3) entails the middle and largest section of the $567 million New Britain-Hartford Busway. It is being constructed partially along abandoned railroad right-of-way and partially along active Amtrak right-of-way. The Contract 3 project consists of the construction of 7 out of 11 stations serving the busway and faces the challenges of coordinating with Amtrak and seven designers of record, four other adjacent construction projects, contract schedules with multiple milestones, geotechnical issues, structural (bridges) construction in congested downtown areas, and environmental concerns. Project 63-643 will replace the at-grade crossing on Flatbush Avenue with a grade-separated crossing. This requires a bridge over the Amtrak right-of-way and embankment approaches to the bridge. The construction of these embankment approaches will require the use of wick drains, pile foundations, and installation of Geofoam lightweight fill to accommodate the existing soil conditions. Project 93-180 will construct the busway from Cedar Street in Newington to Sigourney Street in Hartford. This requires the construction of more than 5 miles of roadway, 44 retaining walls, 8 new bridges, approximately 8 miles of drainage, including drainage pipe jacking under the active Amtrak railroad, 7 stations, wetland mitigation, and a gravel access road for Amtrak.

Reconstruction of I-95/I-91/CT Route 34 Interchange, Project No. 92-619, Contract E2, New Haven, CT, *ConnDOT.* Senior Inspector for a project involving construction engineering and inspection services for a $91 million interchange reconstruction. The contract includes the use of an Internet collaboration server-based project management system for project correspondence and electronic submittal and review. The construction contract also requires a contractor-prepared quality control management plan. The major component of the project includes the construction of a new ramp bridge to carry I-95 northbound traffic to CT Route 34 westbound and downtown New Haven. The new bridge will replace the existing left-hand exit ramp and bridges. A twin steel box-girder bridge spanning over both directions of I-95 will require nighttime steel erection using 20-minute traffic stoppages.

The project also includes the staged construction widening and replacement of two existing CT Route 34 and I-95 bridges and the vertical realignment and widening of the converging I 91 and I-95 southbound ramps to CT Route 34 westbound. Ten new retaining walls will be constructed to support the new ramp alignments and relocate the I-95 entrance and exit ramps. The retaining walls use an architectural form liner to simulate stone. The project also includes the installation of approximately 600 precast-concrete friction piles for new foundations; the extensive use of lightweight fill for embankment construction; installation of new highway drainage; illumination; signalization; and incident management system installations. This is one of several major contracts that are underway simultaneously and part of a coordinated $1 billion I-95 corridor improvement program being implemented in the New Haven area.

Erie Basin Warehouse, Brooklyn, NY, *PANYNJ.* Structural Inspector responsible for a maintenance/safety inspection of a four-story, stone masonry and timber warehouse.

Hillside Shop and Yard, Queens, NY, *MTA Long Island Rail Road.* Engineering Designer responsible for structural design and design checking efforts for this car repair shop and maintenance facility.

New York Portion of the New Haven Line, Mount Vernon to Port Chester, NY, *MTA Metro-North Railroad.* Structural Inspector for the preparation of repair drawings for catenary structures involved with the re-electrification of an 11-mile portion of the New Haven Line from Mount Vernon to Port Chester. Performed inspections of structural repairs during the construction phase of the project.

Project No. 92-603, Reconstruction of Howard Avenue Bridge Over I-95, New Haven, CT, *ConnDOT.* Senior Inspector for the technical inspection and administration of the $14 million reconstruction of the Howard Avenue Bridge, located in the historic City Point neighborhood. The major components of the project included the bridge replacement using staged construction, relocation of the overhead signs from the bridge parapets onto new tubular arch sign supports, installation of new incident management system conduit and hand holes, and construction of modular retaining walls and sound walls along the northbound and southbound sides of I-95. The project also included the installation of a 52-inch jacking sleeve under I-95 to facilitate the relocation of the sanitary sewer line from beneath the previous bridge. The purpose of the reconstruction was to shift the bridge abutments away from I-95 to allow for future widening of the existing highway, as part of the New Haven Harbor Crossing (NHHC) Corridor Improvement Program. Multiple contracts are simultaneously underway throughout the corridor. The NHHC Program is part of a $1 billion I 95 improvement endeavor being implemented in the New Haven area over the next several years.

Project No. 92-526, Church Street South Extension Over the New Haven Interlocking and Rail Yard, New Haven, CT, *ConnDOT.* Senior Inspector for the extension of Church Street from Union Avenue to Sargent Drive. The length of the project was 2,907 feet, which included a 1,274-foot-long bridge over the New Haven Rail Yard. A 320-foot-long through-truss span over Amtrak and Metro-North Railroad mainline tracks was assembled on temporary supports and then lifted onto its pier supports in one nighttime operation. A high-capacity crane was used to lift the 840-ton truss into its final position. Responsibilities included construction inspections for bituminous concrete roadway; storm drainage structures; the driving of precast-concrete piles to support concrete bridge abutments and piers; structural steel girder and truss assembly and erection; reinforced-concrete bridge deck, including MMFX reinforcing bars; highway lighting and traffic signalization; concrete driveways and sidewalks; and the final restoration of landscaping.

Chronological History of Employment

Gannett Fleming – 1980-Present

JAMES J. BANACK

Assignment
Inspector

Years of Experience With Firm
8

With Other Firms
25

Education
A.S., Architectural Design and Civil Engineering, Porter and Chester School of Design, 1980

Professional Registrations:
Hoisting Engineer License - Class 2C: Massachusetts Department of Public Safety - No. [redacted] (2003)

NICET Level II - Highway Construction: No. [redacted] (2008)

NETTCP Concrete Inspector - No. [redacted] (2010)

Current Responsibilities

Mr. Banack is an Inspector responsible for performing construction inspections on transportation projects involving highways, bridges, and mass transit facilities. His work includes roadway realignment, roadway resurfacing, bridge rehabilitation, and utility relocation/installation projects.

Summary of Experience

Project Nos. 63-643 and 93-180, New Britain-Hartford Busway, Hartford, West Hartford, and Newington, CT, *Connecticut Department of Transportation (ConnDOT).* Construction Inspector responsible for providing technical inspection and administration services for a $130.6 million bus rapid transit construction project. The project (Contract 3) entails the middle and largest section of the $567 million New Britain-Hartford Busway. It is being constructed partially along abandoned railroad right-of-way and partially along active Amtrak right-of-way. The Contract 3 project consists of the construction of 7 out of 11 stations serving the busway and faces the challenges of coordinating with Amtrak and seven designers of record, four other adjacent construction projects, contract schedules with multiple milestones, geotechnical issues, structural (bridges) construction in congested downtown areas, and environmental concerns. Project 63-643 will replace the at-grade crossing on Flatbush Avenue with a grade-separated crossing. This requires a bridge over the Amtrak right-of-way and embankment approaches to the bridge. The construction of these embankment approaches will require the use of wick drains, pile foundations, and installation of Geofoam lightweight fill to accommodate the existing soil conditions. Project 93-180 will construct the busway from Cedar Street in Newington to Sigourney Street in Hartford. This requires the construction of more than 5 miles of roadway, 44 retaining walls, 8 new bridges, approximately 8 miles of drainage, including drainage pipe jacking under the active Amtrak railroad, 7 stations, wetland mitigation, and a gravel access road for Amtrak.

Reconstruction of I-95/I-91/CT Route 34 Interchange, Project No. 92-619, Contract E2, New Haven, CT, *ConnDOT.* Construction Inspector for this project involving construction engineering and inspection services for a $91 million interchange reconstruction, responsible for technical inspection of bridge and roadway improvements. The major component of the project includes the construction of a new ramp bridge to carry I-95 northbound traffic to Route 34 westbound and downtown New Haven. The new bridge will replace the existing left-hand exit ramp and bridges. A twin steel box-girder bridge spanning over both directions of I-95 will require nighttime steel erection using 20-minute traffic stoppages. The project also includes the staged construction widening and replacement of two existing Route 34 and I-95 bridges and the vertical realignment and widening of the converging I-91 and I-95 southbound ramps to Route 34 westbound. Ten new retaining walls will be constructed to support the new ramp alignments and relocate the I-95 entrance and exit ramps. The retaining walls use an architectural form liner to simulate stone. The project also includes the installation of approximately 600 precast-concrete friction piles for new foundations; the extensive use of lightweight fill for embankment construction; installation of new highway

drainage; illumination; signalization; and incident management system installations. Duties included monitoring installation of concrete pile foundations and preparation of pile driving logs; inspecting steel reinforcement and cast-in-place concrete placement for bridge foundations and bridge deck construction; performing field testing for quality control of concrete in accordance with ASTM standards; inspecting earth embankment and roadway construction; and performing field density determination for compaction of soils, gravel, and bituminous pavements in accordance with contract requirements and ASTM standards. Prepared daily work reports to document inspections and documented labor, equipment, and materials for extra work as needed.

Project 92-533/569, Contract C2, Reconstruction of I-95 in New Haven From Stiles Street to the New Haven/East Haven Town Line, New Haven and East Haven, CT, *ConnDOT.* Inspector for the technical inspection and administration of the $70 million reconstruction and widening of I-95 in New Haven. The major components of this project included staged construction for the widening of I-95 between the frontage roads in East Haven and the east approach of the Pearl Harbor Memorial Bridge in New Haven while maintaining average daily traffic of more than 140,000 vehicles. The project included the replacement of four flyover bridges crossing I 95; the construction of a new interchange and connector roadways; the replacement of I-95 mainline bridges; and the construction of more than 1,500 meters of retaining walls, which use an architectural form liner to simulate stone. The project also included drilled shafts for pier foundations; more than 200,000 cubic meters of fill embankments for the new interchange and connector roadways; new highway drainage, illumination, and signalization; and incident management system installations. This project is one of several major contracts that are part of a coordinated $1 billion I-95 corridor improvement program being implemented in the New Haven area. Multiple contracts are underway simultaneously.

Berger Lehman Associates, PC, Rye, NY. Inspector for the construction of major bridges, roadways, and drainage facilities and structures; the assessment of environmental issues; and the completion of electrical installations and structural painting.

Cianbro Corporation, Pittsfield, ME. Project Engineer/Superintendent/Equipment Operator for major bridge construction projects. Work involved developing contract construction documents and work plans, determining work required for permanent and temporary construction, completing field layout work, erecting and rigging structures, tracking project profiles and preparing financial reports, preparing project schedules, procuring materials, managing the daily work activities of field personnel, writing requests for information, submitting requests for changes, and serving as a site safety supervisor.

Close, Jensen & Miller, PC, Wethersfield, CT. Project Coordinator/Project Engineer/Construction Advisor/Painting Advisor/Technician responsible for processing contract construction bid documents and plans for the Connecticut Department of Transportation. Responsibilities included reviewing consultant design plans; preparing contract specifications and special provisions, as well as preparing inland wetland and watercourse permit applications for submission to the Connecticut Department of Environmental Protection; preparing and coordinating agreements for utility relocation work; and preparing right-of-way documents and maps for type study reports.

Chronological History of Employment

Gannett Fleming – 2006-Present
Berger Lehman Associates, PC, Rye, NY – 2004-2006
Cianbro Corporation, Pittsfield, ME – 2000-2004
Close, Jensen & Miller, PC, Wethersfield, CT – 1987-2000

BRIAN M. VOSBERG, EIT

Assignment
Inspector

Years of Experience With Firm
4

With Other Firms
11

Education
B.S., Civil Engineering, Purdue University, 2000

Professional Registations
EIT: Indiana - No. [redacted] (2000)

NICET I - Bridge Safety Inspection: No. [redacted] (2007)

NICET IV - Highway Construction: No. [redacted] (2014)

ACI Concrete Field Testing Technician - Grade I: No. [redacted] (2007)

ACI Concrete Construction Technology Certification: New Jersey Chapter of the American Concrete Institute (2008)

Asphalt Paving Construction Technologist: New Jersey Society of Asphalt Technologists (2008)

Traffic Control Coordinator: Rutgers, The State University of New Jersey (2013)

Current Responsibilities

Mr. Vosberg is a Construction Inspector responsible for inspecting and observing construction activities throughout projects. His tasks include measuring field quantities, preparing daily inspection reports, supervising contractor activities, and making sure of compliance with contract documents.

Summary of Experience

Supervision of Construction Services, Contract P100.203, Bridge Deck Repairs and Resurfacing, Milepost (MP) 0 to MP 126, Garden State Parkway, NJ, *New Jersey Turnpike Authority (NJTA).* Bridge Assistant Resident Engineer for this $6.2 million contract that provided supervision of construction services and contract administration with scope including extensive repairs to 26 bridge superstructures and substructures. Responsibilities included coordination with resident engineer, client, contractor, and staff, coordination of lane closings with NJTA Traffic Operations, and direct inspection of contractor's work for compliance with the contract. Work includes bearing replacements and repairs, structural steel repairs, concrete bridge deck panel replacements, bridge barrier parapets, beam guide rail and attachments, concrete deck, abutment and concrete pier spall repairs of various types and depths, deck joint repair and replacement, membrane waterproofing, milling, hot-mix asphalt paving, pavement markings, delineators, and all related maintenance and protection of traffic. The project also includes extensive night work.

Supervision of Construction Services, Contract P100.187, Bridge Deck Repairs and Resurfacing, Milepost (MP) 0 to MP 126, Garden State Parkway, NJ, *NJTA.* Bridge Assistant Resident Engineer for this $5.5 million project involving extensive repairs to 25 bridge superstructures and substructures. Responsibilities included coordination of lane closings with traffic operations and supervision of inspection staff and contractor's work. Work includes replacing concrete bridge deck panels; repairing deck spalls; repairing and reconstructing deck joints; repairing headers; removing asphalt surfacing; replacing bridge barrier parapets; placing new membrane waterproofing; resurfacing approach roadways and bridge decks; and performing substructure repairs, pavement markings, beam guide rail improvements and attachments, and related maintenance and protection of traffic with extensive night work. Transitioned from Senior Inspector on Contract P100.186 to Assistant Resident Engineer on Contract P100.187 during this project.

Supervision of Construction Services, Contract P100.186, Bridge Deck Repairs and Resurfacing, Milepost (MP) 126 to MP 172, Garden State Parkway, NJ, *NJTA.* Bridge Construction Inspector responsible for providing inspection services for this $7 million project involving extensive repairs to 28 bridge superstructures and substructures. Responsibilities included coordination of lane closings with traffic

operations and supervision of contractor's work. Work also included replacing and repairing bearings; replacing concrete bridge deck panels; repairing deck spalls; repairing and reconstructing deck joints; repairing headers; removing asphalt surfacing; replacing bridge barrier parapets; placing new membrane waterproofing; resurfacing approach roadways and bridge decks; and performing substructure repairs, pavement markings, beam guide rail improvements and attachments, and related maintenance and protection of traffic. The project also included extensive night work.

Supervision of Construction Services, Contract P100.079, Bridge Deck Repairs and Resurfacing, Milepost (MP) 0 to MP 126, Garden State Parkway, NJ, *NJTA.* Bridge Construction Inspector for this $4 million project involving extensive repairs at 26 bridge structures and hot-mix asphalt resurfacing. Responsibilities included inspecting concrete bridge deck panel replacements including bridge barrier parapet, beam guide rail, and various appurtenances, spall repairs of various types and depths, deck joint repair and replacement, membrane waterproofing, milling, hot-mix asphalt paving, pavement markings and delineators, and all related maintenance and protection of traffic. The project also included extensive night work.

I-78 Eastbound Roadway Rehabilitation, NJ, *New Jersey Department of Transportation (NJDOT).* Road Construction Inspector for this $3.5 million project that consisted of 0.75-mile of concrete roadway excavation, full-depth roadway boxout, subgrade, subbase, drainage repairs, and new hot-mix asphalt pavement in three lifts. Also approximately 150 concrete roadway slabs were to be replaced with new precast-concrete slabs on the U.S. Route 22 eastbound ramp to I-78 eastbound. All work was done in three stages and was performed during day and nighttime operations that also included striping, rumble strips, pavement marker installation, and maintenance and protection of traffic.

I-78 Resurfacing and Guide Rail Upgrades, NJ, *NJDOT.* Road Construction Inspector for the resurfacing and guide rail work from east of Tunnel Road to Beaver Brook. Responsibilities included providing full-time inspection and supervision services to make sure of compliance with the contract plans and specifications for milling and repaving of asphalt roadways, installation of guide rail, end treatments and bridge barrier, and installation of non-vegetative surface. Additional responsibilities included quantity measurements, preparation of daily reports, and coordination with NJDOT personnel throughout the duration of the project, as well as monitoring of contractor's maintenance and protection of traffic. The project also included extensive night work.

New Jersey Turnpike Miscellaneous Structure Repairs, Contract R-1500, NJ, *NJTA.* Bridge Construction Inspector for the miscellaneous structure repair work for 23 structures on the New Jersey Turnpike Mile 0 to Mile 122, Pearl Harbor Memorial Turnpike Extension, and Newark Bay-Hudson County Extension. Responsibilities included providing full-time inspection and supervision services to make sure of compliance with the contract plans and specifications for deck and joint repairs, waterproof membrane, hot-mix asphalt concrete overlays, substructure repairs, installation of guide rail, end treatments, and bridge barrier. Additional responsibilities included quantity measurements, preparation of daily reports, monitoring of contractor's maintenance and protection of traffic, and coordination with NJTA personnel throughout the duration of the project.

Chronological History of Employment

Gannett Fleming – 2010-Present
Malick & Scherer – 2005-2010
Toll Brothers Homes – 2004
Bechtel Communications – 2000-2004
Seico Inc. (internships) – 1998-1999

HITESH R. PATEL

Assignment
Inspector

Years of Experience With Firm
1

With Other Firms
25

Education
B.S., Civil Engineering, S.P. University, India, 1987

Professional Registrations
NICET Level IV – No. [redacted] (1998)

EIT (1989)

ACI Certified

NJSAT Certified

SSPC Certified

TCP Certified

ACI-CCTC Certified

Current Responsibilities

Mr. Patel has 26 years of experience serving in a variety of roles, including Resident Engineer, Assistant Resident Engineer, Chief Inspector, and Office Engineer. He has professional experience in the construction of major facilities for government clients.

Summary of Experience

Route 29, 33, 156 and US 202NB, MRRC – C106, Hunterdon & Mercer County, NJ, *NJDOT.* Resident Engineer responsible for various routes throughout Central Region MRRC C106 Project NJDOT. Contract work includes new curb, sidewalk, milling and paving on this $6.5 million project. Duties includes coordinate with contractor including traffic set up, field changes, change order, monthly meeting and monthly estimate. Prepare, weekly report, monthly estimates, EEO, Payroll and change order. Also schedule field inspectors, reviewing daily report, enter into NJDOT system, and prepare daily report and diary.

Route I-287 Resurfacing and Deck Replacement, Morris County, NJ, *NJDOT.* Assistant Resident Engineer responsible for this $28 million bridge and roadway inspection project. Work included the replacement of existing bridge deck in 4 stage, approach roadway, guide rail, paving and utilities work, milling and HMA resurfacing and striping of 7 miles of high volume highway. All work was performed off peak hours during nighttime with temporary lane closures. Coordinated with contractor including traffic set up and field changes.

Route 1 and Harrison Street Operational Improvement Project, Mercer County, NJ, *NJDOT.* Resident Engineer responsible for this $0.8 roadway inspection project along Route 1 and Harrison Street. Contract work included widening of Harrison Street, installation of new signal lights, opticom system, drainage and utilities work. Coordinate with contractor including traffic set up, field changes, change order, monthly meeting and monthly estimate. Prepare, weekly report, monthly estimates, EEO, Payroll and change order. Also schedule field inspectors, reviewing daily report, enter into NJDOT system, and prepare daily report and diary.

Route 1 Millstone River Bridge Replacement, Mercer County, NJ, *NJDOT.* Resident Engineer responsible for this $20 million dollar bridge inspection project. This project was a high profile bridge replacement project on heavily traveled, congested Route 1 near Trenton Capital district. Contract work includes replacement of existing bridge in 4 stage, approach roadway, guide rail, paving and utilities work. Coordinate with contractor including traffic set up, field changes, change order, monthly meeting and monthly estimate. Coordinate with various agencies of NJDOT including materials inspection, DEP, subcontractor approval, weekly report, monthly estimates, EEO, Payroll and change order. Also schedule field inspectors, reviewing daily report, enter into NJDOT system, and prepare daily report and diary.

Route 22 Milling and Resurfacing, MRRC – C103, *NJDOT.* Resident Engineer on this 10 mile roadway inspection project. Responsibilities included the oversight of all milling and HMA resurfacing operations

and stripping on this high volume highway thru a congested business district. All work was performed off peak hours during nighttime with temporary lane closures.

Rt. 1 Milling and Resurfacing, MRRC – C103, *NJDOT.* Resident Engineer on this 8 mile roadway inspection project. Responsibilities included the oversight of all milling and HMA resurfacing and striping operations on this high volume highway thru congested business district. All work was performed off peak hours during nighttime with temporary lane closures.

Alexander Road Bridge over Amtrak Northeast Corridor, *NJDOT.* Resident Engineer on this multimillion dollar roadway inspection project. Contract work included milling and paving various locations throughout the central region including main line and various ramps. Coordinated with contractor including traffic set up, field changes, change order, monthly meeting and monthly estimate. Coordinated with various agencies of NJDOT including materials inspection, subcontractor approval, weekly report, monthly estimates, EEO, Payroll and change order. Also scheduled field inspectors, reviewing daily report, enter into NJDOT system, and prepare daily report and diary.

I-195 Westbound Resurfacing, Ocean County, NJ, *NJDOT.* Resident Engineer on this 4 mile, $15 million Interstate Highway resurfacing inspection project. Responsibilities including office engineering duties with ACES and final closeout in accordance with NJDOT policies and procedures. Contract work including milling, resurfacing, extensive maintenance and protection of traffic, bridge deck waterproofing, Superpave HMA paving including base, intermediate and surface courses. The majority of work performed off peak hours during nighttime with temporary lane closures.

I-95 Resurfacing, Mercer County, NJ, *NJDOT.* Resident Engineer on this 8 mile, $19 million Interstate Highway resurfacing inspection project the Scudder Falls Bridge to Route 1. Responsibilities included office engineering duties with ACES and final closeout in accordance with NJDOT policies and procedures. Contract work including milling, resurfacing, extensive MPT, bridge deck repairs and waterproofing, Superpave HMA paving consisting of base, intermediate and surface courses. The majority of work performed off peak hours during nighttime with temporary lane closures. Mr. Patel received 2 commendations from the NJDOT on this assignment for his knowledge, experience and quick action.

Region North Term Agreement, Route 46(43) 23 & 80 Interchange, Wayne Township, Passaic County, NJ, *NJDOT.* Bridge Construction Inspector on this $65 million bridge inspection project that consisted of 9 bridges, 8 retaining walls, 19 overhead sign structures, 6 cantilever sign structures, roadway paving, drainage and utilities at this complex interchange known as the "spaghetti bowl".

Route 9, Section 23, Freehold, NJ, *NJDOT.* Bridge Construction Inspector on this $15.8 million roadway/ bridge project consisting of widening and safety improvements to Route 9 NB and SB. The work includes reconfiguring roadway approaches and four ramps and replacing the two span bridge structure over Conrail and County Route 522 resulting in a total of six lanes, three NB and three SB. Inspected all bridge items including substructure, superstructure, rebar, and concrete deck and various roadway items, including subbase, DGA, HMA paving, striping, marking, drainage and Maintenance and Protection of Traffic during both day and night time operations for this high traffic volume roadway.

Chronological History of Employment

Gannett Fleming – 2014-Present
Naik Consulting Group, PC – 2007-2014
Maitra Associates, PC – 1993-2007
Shah Associates, PC – 1988-1993

PAUL K. BURPULIS

Assignment
Inspector

Years of Experience With Firm
1

With Other Firms
36

Professional Registrations:
NICET Level IV, Highway Construction, No. [redacted] (2011)

NICET III-Bridge and Highway Construction (2006)

NJSAT Asphalt Paving Technologist (2004)

Rutgers Traffic Control Coordinator Course (2012)

ACI Concrete Field Testing Technician Grade 1

ACI-CCTC Technician (2013)

NJSAT Asphalt Plant Technologist Grade 1 (1993)

NJSAT Asphalt Plant Technologist Grade 2 (2005)

Current Responsibilities

Mr. Burpulis is a NICET IV Inspector with 36 years of experience in the supervision of construction, inspection of all contractor operations, and coordination of inspection personnel, as well as overseeing work zone safety. He is responsible for project records including processing estimates, as-built plans, and quantity records, shop drawing review, utility coordination, and change order negotiating and recommendation for approval.

Summary of Experience

6 to 9 Widening Project, *NJTA.* Senior Project Professional responsible for the $52 million NJTA 6 to 9 Widening Project. Inspection included subbase soil placement and compaction, grade A and DGA soil placement, compaction which included rough and fine grading; the installation of U-Drain, RCP drain pipe, FES, manholes and inlets; basin and swale excavation, and grading; placement and grading of topsoil, seeding and matting operations; Gabion Mattress Ditch Protection and Rip-Rap installation; Beam Guide Rail installation; Superpave HMA base, intermediate, and top course installation, and compaction. Also responsible for permanent and temporary pavement striping; milled rumble strips; maintenance and protection of traffic; removal and installation of temporary concrete barriers; and concrete inspection, slump, air content, temperature, and test cylinders. Performed force account inspection, punch list inspection and Hurricane Sandy inspections. Responsible for keeping track of quantities and daily reports.

Route 52 Causeway Contract B, *NJDOT.* Senior Project Professional responsible for the inspection on the $250 million New Jersey Department of Transportation Rt. 52 Causeway Contract B. Inspection included lead pile driving inspection 30"x30", 24"x24", and 14"x14" prestressed concrete piles; reinforcement bar inspection of foundations, columns, pier caps; inspection of the installation of sheet piles for temporary cofferdams, and the removal of the sheet piles; installation of permanent sheet piles for bulkheads. Also performed inspections of bearing pad installation, installation of 94.5" precast concrete beams; inspection of concrete placement pours for foundations, columns, and pier caps; inspection of the installation, and removal of the construction access trestle. Responsible for keeping track of quantities and daily reports.

Route I-95 Resurfacing from Route 29 to South of Scotch Road, and from South of Lower Ferry Road to South of Route 1, *NJDOT.* Road Construction Inspector for this 8 mile, $19M Interstate Highway resurfacing project for the New Jersey Department of Transportation. Scope of work included milling, resurfacing and all related work, and Maintenance and Protection of Traffic. Responsibilities included inspection of: profile milling of up to 13" on road surfaces, 170,000 tons of Superpave HMA paving including base, intermediate, and surface courses, 22,000 tons of Modified Open Graded Friction Course, (MOGFC), installation of geotextile fabric, waterproofing membrane on bridge decks, polymerized joint adhesive, temporary and final line striping, installation of Reflective Pavement Markers, installation of Rumble strips, landscaping,

grading, and seeding. Responsible for keeping track of item quantities and daily reports. Worked on closing out project and performing the final punch list and as-built drawings.

Taxiway P at Atlantic City International Airport, Atlantic City, NJ, *SJTA.* Senior Construction Inspector for this $8.5 million project that included the inspection of the installation of and grading of sub-base soils and Dense Graded Aggregate, asphalt paving base course, intermediate course, and surface course including test strips of all asphalt paving courses, runway markings, paint striping, top soil placement, grading operations, landscaping operations including seeding of grass areas. Electrical inspection included the installation of wiring cables for taxiway centerline lighting, taxiway edge lighting, taxiway guidance signs, and the installation of fiber optic cable. Responsible for project close out and performing the final punch list.

Rehabilitation of the Beach Thoroughfare Bridge Structure, Atlantic City, NJ, *NJT.* Senior Construction Inspector for the demolition and inspection of the Thoroughfare Bridge. Duties included demolition of wood sheeting, concrete spall repairs to six piers, concrete form installation, concrete pours, and the installation of PVC sheeting and whalers. Responsible for keeping track of quantities and daily reports on all projects, performing project close out and final pinch list.

Central Region Term Agreement, *NJDOT.* Senior Inspector for milling and paving operations on Routes 18, 33, and 9. Responsibilities included monitoring contractor operations for substantial conformance to the plans and specifications (placement of proper material, thickness of lifts, grade of final wearing course, proper compaction of material, field measurement of placed material, computation of quantities placed during work shift, etc.). Work performed by the contractor includes milling of existing asphalt concrete to improve grades and remove deteriorated material, placement of new wearing surface for improved rideability, extensive maintenance and protection of traffic (including night operations), pavement markings and minor guide rail repairs.

Route 95 Resurfacing Project, *NJDOT.* Senior Project Professional responsible for inspection on the $19 million New Jersey Department of Transportation Route 95 Resurfacing Project. Inspection included profile milling of up to 13" on road surfaces, and placement of Superpave Asphalt. Paving operations comprised placement of base course, intermediate course, surface course, and a MOGFC rubber mix. Performed inspection of the installation of geotextile fabric, a waterproofing membrane on bridge decks, and a polymerized joint adhesive; inspection of temporary stripes and final stripes; and the placement and installation of Reflective Pavement Markers and the installation of Rumble strips. Provided inspection of landscaping, grading, and seeding. Responsible for assigning work tasks for 3 inspectors; keeping track of quantities and daily reports; entering daily reports on NJDOT Aces program; project close-out; and performing the final punch list.

Chronological History of Employment

Gannett Fleming – 2013-Present
Greenman-Pederson, Inc. – 2009-2013
CMX (formally Schoor DePalma) – 2007-2008
Urban Engineers, Inc. – 2005-2007
Churchill Consulting Engineers – 2004-2005
KS Engineers, PC – 2003
Richard A. Alaimo Associates – 2002-2003
U.S. Engineering Laboratories, Inc. – 1998-2002
Testwell Craig Testing Laboratories, Inc. – 1992-1998
Martin Ackley Associates, Inc. – 1986-1992
Keegan Technology and Testing Associates – 1978-1986

VICTOR NICASIO

Assignment
Inspector

Years of Experience With Firm
1

With Other Firms
24

Education
Civil Engineering, Union County College, 2005

Professional Registrations
NJSAT, Asphalt Paving Construction Technologist, 2006

ACI Concrete Field Testing Technician Grade 1, 2000

Current Responsibilities

Mr. Nicasio is a Senior Inspector responsible for managing construction operations, supervising personnel, and overseeing work zone safety. He is also responsible for project documentation, estimates, change orders, as-built records, and utility coordination. He has extensive experience on construction, rehabilitation, renovations, upgrade, maintenance and critical emergency on-call projects on inter-state highways, bridges, mass transit and light rail and track systems, train stations, electrical lines and substations, public schools and public housing developments and municipal projects.

Summary of Experience

Construction Inspection for Various Facilities, NY and NJ, *PANYNJ and PATH.* Construction Inspector responsible for supervising the overall contract compliance from date of award to completion. Also ensured quality of construction in accordance with the contract plans and specifications and that the project adhered to applicable codes and standards of the Port Authority of NY/NJ. Consulted on technical issues, field resolutions, and recommendations during various stages of the projects. Implemented effective communication of progress/ problems between Senior Management, Field Staff, Contractors, and Inspectors. This project included the following assignments:

Critical and Emergency Projects

- Inspected the clean-up and repair of the World Trade Center after the 1993 terrorist attack.
- Coordinated the emergency work of draining flood waters and cleanup of affected PATH tunnels and stations during the 1992 flood crisis. Restored all track services in less than 24 hours.

Roads and Highways

- Replaced a critical roadway/ramp leading to the George Washington Bridge with pre-cast concrete slabs while maintaining daytime vehicular traffic.

Bridges and Tunnels

- Repaired the trunions and replaced the handrails on the Hackensack Lift Bridge.

PATH Commuter Train Stations

- Construction of a tunnel under active passenger and cargo railroad tracks.
- Pavonia – Renovated the entire Pavonia Station including the demolition of workshops, installation of electrical wiring, installation of commuter escalators and elevators.
- Christopher Street - Upgraded the electrical substation, installed new power feed and wiring and lighting fixtures.
- Exchange Place - Installed commuter elevators, ceiling panels throughout the station and platform tiles.
- 33rd St. Station - Installed Safety Warning Strip at the edge of platform. Installed CCTV in the security room.

- Harrison Station - Worked on structural repairs of the entire station. Installed a new platform decking and fire stand pipe.

Electrical Substations

- Upgraded the signal relay rooms in Journal Square and Christopher Street train stations and Harrison train yard.
- Installed and transferred signal cable for Class A railroad while maintaining passenger operations.
- Installed and balanced fan shaft and bearing, replaced exhaust fans at the track level at the former World Trade Center/PATH.
- Installed a new wiring system that provided remote access from Hoban Control Center (PATH Control Center).

Air Rail Project at JFK International Airport, NY, *PANYNJ/ Slattery Skanska.* Senior Inspector responsible for providing day-to-day field inspection and technical support to the Project Manager of the Air Rail Project, ($2 billion, eight-mile) the light rail system that now links the New York City subway systems and the Long Island Railroad with JFK International Airport. Supervised projects related to the relocation of utilities for installations of foundations and columns of the rail superstructures.

Bronx-Whitestone Bridge, Bronx, NY, *MTA Bridges & Tunnels.* Safety Officer responsible for conducting daily construction safety briefings; monitoring and inspecting work conditions in compliance to OSHA's General Industry and Scaffolding standards; developing a proactive site safety procedures; and diligently assessing conditions to prevent hazardous situations.

Train Stations, Plainfield, South Orange, and East Orange, NJ, *NJ TRANSIT.* Senior Field Inspector responsible for inspecting the reconstruction and rehabilitation of the historic NJ TRANSIT commuter train stations without regular, particularly rush hour, service interruption. Ensured that the restoration of the historic stations stayed true to its original structural design and aesthetic integrity. Upgraded the stations and built waterproof viaduct, elevated platform level, and built new ramps and elevator structure to comply with ADA standards.

Various New York City Public School Projects, New York, NY, *NYCSCA, Noble Strategy, LLC.* Project Officer responsible for managing various simultaneous NYC public school projects in partnership with URS Corporation. Provided mentorship assistance to small and minority-owned contractors to ensure code and safety compliance, tracking of accurate documentation including design, submittals, progress meetings, payments, close out requirements and deadline completion without school operational disruptions.

Chronological History of Employment

Gannett Fleming – 2013-Present
The Hirani Group – 2010
Noble Strategy, LLC – 2009
D&K Construction – 2008
Armand Corporation – 2006-2008
T&M Associates – 2005-2006
Alpha Corporation – 2005
Bovis Land Lease – 2000-2004
Slattery Skanska – 1999-2000
DSI Staffing (Contractor for PANYNJ) – 1988-1999
United States Air Force – 1982-1987

DONALD OLLA

Assignment
Inspector

Years of Experience With Firm
1

With Other Firms
29

Education
A.A.S., Construction/Civil and Mechanical Engineering Technology, Mercer County Community College, West Windsor Campus

Professional Registrations
Asphalt Paving Construction Technologist: NJSAT (2011)

Traffic Control Coordinator: Rutgers, The State University of New Jersey (2011)

Current Responsibilities

Mr. Olla is an Inspector with 30 years of experience. He has served as a Resident Engineer on a number of transportation projects, having worked for the NJDOT for nearly 29 years. His responsibilities include acting as the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress, and ensuring projects are constructed in conformance with the plans and specifications for the owner.

Summary of Experience

Rt. 35, MP 0 to 4, Hurricane Sandy Restoration, DP #13130, *NJDOT.* Resident Engineer for this $80M project, resulting from National Disaster, Super Storm Sandy and its destructive effects along the New Jersey Coastal Barrier Islands including NJ Rt. 35 MP 0 to MP 12. 5. The project was the 3rd of three Contracts awarded from the Sandy Federal Relief Funds to rebuild Rt. 35 in its entirety from MP 0 to MP 4. The work included extensive Traffic Staging and Detouring to remove the existing roadway to its subbase and rebuild with Fabric Material, Dense Graded Base Course, multiple lifts of Asphalt, New Curb and ADA compliant sidewalk and curb ends. Massive gas, electric, sanitary sewer and water relocations. Massive deep underground storm sewer drainage requiring deep dewatering operations and 5 massive 9,000 Gallon per minute pump stations. The Project includes the use of the Departments Air Void Specification and International Roughness Specification. This was one of the 3 Sandy Restoration Contracts under the directive of the State of New Jersey Governor's Office. This project involved the cooperation of the 4 towns and county involved in this project with an advanced time schedule requiring multiple work crews hours and days to keep on schedule Duties included being the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and ensuring the project is constructed in conformance with the plans and specifications for the owner.

Rt. 1 Various Locations, North of College Road to NJ 91 Connector, DP #12115, *NJDOT.* Resident Engineer for this $8.6M project involving the milling and resurfacing of 8 miles of Rt. 1 in Middlesex County as well as Intersection and Signal Improvements at New Road. The Project includes the use of the Departments Air Void Specification and International Roughness Specification. This project had a combination of day and night work and involved multiple locations. Duties included being the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and ensuring the project is constructed in conformance with the plans and specifications for the owner.

MRRC C106, DP #12429, *NJDOT.* Resident Engineer for this $6.5M project involving the milling and resurfacing of five locations throughout Mercer and Hunterdon County. In addition new ADA complaint sidewalk and curb was installed. The Project includes the use of the Departments Air Void Specification and International Roughness Specification. This project had a combination of day and night work and involved

multiple locations with coordination with the Trenton Thunder Minor Baseball Team Home Game Schedule as well as the Town Of Lambertville. Duties included being the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and ensuring the project is constructed in conformance with the plans and specifications for the owner.

Route 33 Bridge over Rocky Brook, Emergency Repairs Contract No. 014123100, DP #12113, Borough of Hightstown, Mercer County, *NJDOT.* Resident Engineer for this $0.65M project involving emergency bridge repair of the Rocky Brook Bridge in Hightstown, Mercer County. Contract included concrete bridge deck and parapet replacement, drainage improvements, milling and HMA placement, maintenance and protection of traffic, coordination of complex permanent detours, concrete ADA compliant sidewalk and vertical curbing, pavement markings and traffic striping, signal improvements and the removal of an underground abandoned oil tank. The project included extensive coordination with the Borough of Hightstown, Township of East Windsor and various agencies, NJ State Police Truck Enforcement, DEP and NJDOT ensuring compliance with safety, permits, materials inspections, and subcontractor approval, daily and weekly reports, monthly estimates, EEO, payroll, change orders, contract acceptance and closeout. This project had a combination of day and night work. Duties included being the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and ensuring the project is constructed in conformance with the plans and specifications for the owner.

Rt. 129 Resurfacing Contract No. 000093100, From Route 1 to Lamberton Road Connector, DP #10131, City of Trenton, Mercer County, *NJDOT.* Resident Engineer for this $3.56M project involving overlaying 4 Bridge Decks with a "Polyester Polymer Concrete Overlay". This item was a specialty item requiring the Prime Contractor to bring in a subcontractor from the State of California who specializes in the placement of this material. The placement required a specialized paving machine being fed from a mobile mixing truck. The material was infused with a polymer compound and a special aggregate mix. This was placed at a depth of ¾ of an inch and set up to traffic within 1 hour. Other work included milling and paving of existing pavement with HMA intermediate and surface courses, concrete curb and sidewalk, drainage upgrades, maintenance and protection of traffic, striping, pavement markings and reflectors and associated activities. Duties included being the Owner's direct representative to the contractor and project stakeholders, direct supervision of the project field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and ensuring the project is constructed in conformance with the plans and specifications for the owner.

Chronological History of Employment

Gannett Fleming – 2014-Present
NJDOT – 1990-2014
NJDOT Bureau of Construction Engineering – 1989-1990
NJDOT Bureau of Maintenance Engineering – 1988-1989
NJDOT Region 1 Materials Project Inspection Team – 1998
NJDOT Central Testing Lab Facility – 1985-1987
NJDOT Design Squad 6, Region 2 – 1984-1985

MOHAMMED M. BHUIYAN, ICC

Assignment
Inspector

Years of Experience With Firm
4

With Other Firms
29

Education
B.S., Civil Engineering, University of Rajshahi at Khulna Engineering College, 1983

Professional Development Program, Asian Institute of Technology, 1994

Professional Registrations
ACI Concrete Construction Special Inspector – No. [redacted]

ACI Concrete Field Testing Technician -Grade 1 – No. [redacted]

ICC Structural Masonry Special Inspector – No. [redacted]

NICET Level II - Transportation Engineering Technology/ Highway Construction

Current Responsibilities

Mr. Bhuiyan has over 20 years of experience in designing, supervising and managing construction projects, both in the public and private sectors. As a civil engineer, he was responsible for ensuring specification compliance in such categories as masonry, concrete, pile driving, soils, rebar and curtain panel walls.

Summary of Experience

Controlled Inspections and Testing Laboratory Services, *NYCHA.* Performed masonry inspections at various housing projects through the five boroughs. Recorded findings in a daily field report, and notified clients/project managers on site conditions. Assignments include Unity Plaza, Armstrong Houses I&II, Ocean Hill Houses, Tapscott Houses, Independence Tower, Soundview Houses, Woodside Houses and South Jamaica Houses.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, *NYCDDC.* Providing special inspection services under a three-year, task-order contract for Cultural, Police and Fire facilities and Libraries. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: CSV Vaults, States Island Museum, La MaMa Annex, Riverside Health Center, Catherine Street Family Residence.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_1R, *NYCDDC.* Providing special inspection services under a three-year, task-order contract for Correctional, Courts, DEP, and Juvenile Justice Facilities. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings

Special Inspection and Laboratory Testing Services SCA09-00013R [Contract# C11275], *NYCSCA.* Inspector responsible for provided inspection and testing services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments include: PS32X, PS058X, PS279, PS175X, IS139X, IS131X, John F. Kennedy, PS11X, PS70X, Morris High School, PS6X, IS194, PS134, PS112, PS108 and IS166.

Controlled Inspection and Testing Laboratory Services Contract, Various Sites, NYC, *NYCDDC.* Inspector whose responsibilities include performing masonry inspections under citywide Controlled Inspection and Testing Laboratory Services contract. Additional duties entail maintaining daily field reports, noting deficiencies and working together with various parties to resolve any problems to aid in project completion.

Retainer Contract for Inspection Services at Various Locations throughout NYC, Contract No. 47580001, *NYCEDC.* Inspector for this contract where Tectonic is providing on-call construction inspection services at various locations throughout NYC. Assignments include: Highline M&O Facility.

Contract C-000010237/10601, Consultant Services for Controlled Inspection, Various Boroughs, NYC, *NYCSCA.* Responsibilities include performing masonry inspections. Various project locations. Reporting circumstances of field activity to Project officers. Maintaining supportive documentation of field activities and Contractor operations.

NS Engineers P.C., NY. Project Engineer for the following projects:

184 Kent Avenue, Brooklyn, NY
Performed structural design and site safety guideline of 40 feet long x 14 feet deep excavation for elevator Pit No. 2, coordinated and inspected the construction work.

Morris HS, 665 East 166th Street, Bronx, NY
Structural condition assessment of existing building and provided safety guidelines for Terracotta replacement & restoration.

38-20 Beach Channel Drive, Far Rockaway, NY
Performed Auto Cad drawings as per building code for the approval of NYC department or building for supported pipe scaffold system also calculation to check the structural stability of slab & beams.

251 East 51st Street, New York, NY
Inspected the site and calculation to check structural condition of existing slab beam, retaining walls of basement vault.

Gateway School, Queens, NY, *NYCHA*
Performed structural calculation for 18 reinforcements concrete lintels restoration of different length from 10 to 25 feet.

225 East 99th Street, New York, NY, *NYCHA*

Washington Houses – 14 Buildings, *NYCHA*
Performed calculations for design of suspended scaffold, brick pointing, replacement roofs, parapet coping and guards.

93-95 Lewis Avenue, Brooklyn, NY, *NYCHA.*
Performed structural engineering calculation for replacement of roof, brick pointing, repair caulking and suspended scaffold.

PS 128 69-10 65th Drive, Middle Village, NY, *NYCSCA*
Designed and developed contract structural plans and specification for supported pipe scaffold with fire rated tarpaulin, replacement windows and also designed for parapet coping.

Chronological History of Employment

Tectonic – 2010-Present
NS Engineers P.C. – 2008-2010

OLAYINKA O. OGUNDALU, ACI

Current Responsibilities

Mr. Ogundalu is an Inspector experienced in all phases of civil engineering construction and supervision. His duties at current and past projects include inspections for concrete placement, steel reinforcement, installation, fireproofing, masonry, fire stopping and soil compaction.

Assignment
Inspector

Years of Experience With Firm
6

With Other Firms
8

Education
OND/HND Bus/Admin., The Polytechnic of Ogun State, Nigeria

Professional Registrations
ACI Concrete Field Testing Technician – Grade 1 - No. [redacted]

ICC Spray-Applied Fireproofing Special Inspector – ID# [redacted]

Summary of Experience

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_1R, #RQ_A&E_2R, #RQ_A&E_3R, Various Locations in NY, *NYCDDC.* Inspector responsible for performing concrete field testing, soil, masonry, structural and firestopping inspections for various locations, including libraries, fire houses and health centers under three consecutive citywide Special Inspections and Materials Testing Laboratory Services contracts. Various NYCDDC Assignments Include: Kings County Court House, 121st Police Precinct, Stapleton Branch Library, and PSAC II.

Manhattanville Development, New York City, NY, *Columbia University.* – Inspector responsible for providing required special progress inspections and material testing to assist in the construction of a new 450,000 gross square foot building project as well as a 70,940 square foot central energy facility for the new Columbia University Manhattanville Campus.

Skyview Parc Mass Development, Queens, NY, *Tishman Construction Corporation.* Inspector who provided construction inspection services during the construction of the Skyview Parc complex in Flushing, Queens. Located at 40-28 College Point Boulevard, the Skyview Parc Center is the second largest mixed use development currently under construction in New York City. Retailers, restaurants and luxury condominiums make up the Skyview.

Special Inspection And Laboratory Testing Services SCA09-00013R [C11275], *NYCSCA.* Provided inspection services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments included: IS175X, IS177X, Morris High School, PS63, IS195X, IS52X, PS175X, IS558X, etc.

Citywide Construction Inspection Services #SCA07-00045R [Contract# C10601], *NYCSCA.* Responsibilities include performing Controlled Inspection and testing inspections of concrete placed on-site and of batch plant operations, such as fire stopping, fire proofing and masonry inspections at various project locations. Additional duties include reporting findings to project officers in order to maintain supportive documentation of field activities and contractor operations. Assignments Include: Mott Haven, James Monroe High School, Lehman High School, Roosevelt High School, Adlai Stevenson High School, IS113X, PS91, PS169X, IS143, HS231, IS338X New School, etc.

Public Schools Term Contract SCA 06-00055R [Contract# C10237], *NYCSCA.* Inspector who provided inspection and testing services to ensure compliance with construction plans, specifications and building code requirements for various schools across the boroughs of Manhattan, Queens and the Bronx. Scope of work includes concrete, structural steel, asphalt, soils, masonry, curtain wall and mechanical inspections: Certain assignments involve supervising the demolition of existing school buildings and construction of new buildings replete with classrooms, auditoriums, gymnasiums, cafeterias, administration offices, cellars, etc. Assignments included: Urban Assembly School, PS63, Park West High School, Manhattan Vocational School, Monroe Annex School, PS152X, IS/HS362, PS75X, Bronx Studio Casita Maria, PS48X, PS5, etc.

Term Agreement for Construction Inspection and Materials Testing Services, *DASNY.* Inspector who provided construction inspection services on a multi-year Term Agreement contract for various State Facilities. Assignments Include: Jacobi Medical Center, Harlem Hospital, Fashion Institute of Technology, Stony Brook Roosevelt/ Kelley Quad, and LaGuardia Community College.

Controlled Inspections and Materials Testing Laboratory Services, *NYCDDC.* Provided construction inspection services for a $2M contract at city-owned facilities across the five boroughs for a term of three years with the New York City Department of Design and Construction. Assignments included: Engine Company 57, 239, 201, Central Parl Police Precinct, Park Slope Armory Rehabilitation, Kenton Hotel, Glen Oaks Library, Sunrise Yard and Queens Museum of Art.

Jacob K. Javits Convention Center, *Empire Development.* Inspector who provided inspection services for the expansion and renovation of the Jacob K. Javits Center. Responsible for testing and inspections on all aspects of the project.

Contract C-34590, Concrete Batch Plant Inspections , Various Locations, NY, *NYCHA.* Responsibilities included performing technical inspections and plant/equipment evaluation services for concrete/ballast/asphalt plants and related materials, checking for quality assurance conditions of concrete mixing trucks, moisture content (ASTM-94) scale calibration and performing field sieve analysis.

Controlled Inspection and Testing Services, Citywide, NY, *NYCDDC.* – Inspector whose responsibilities include performing inspections for soil compaction, concrete and masonry units and fire proofing under citywide Controlled Inspection and Testing Laboratory Services contract.

Richmond Testing Laboratories Inc, Staten Island, NY. Lead Inspector whose responsibilities included the supervision of various projects in Staten Island, Manhattan and Brooklyn. Inspections covered various phases of construction such as soil compaction, steel reinforcement, concrete placement, fireproofing, and fire stopping. Projects included Staten Island Hospital New Emergency/Ambulate Building, Kalahari Apartments Complex at NYC 5th Avenue & Lenox Blvd.

Future Tech Consultants, Mineola, NY. Lead Inspector who performed multiple field inspections for steel erection, concrete field placement for structural/composite slabs and inspected steel reinforcement installations. Identified and maintained a log for non-conformance issues, for proper close out at the end of project. Projects included Goldman Sachs on 30 Hudson and American Airlines Terminal runway reconstruction at John F. Kennedy International Airport.

Chronological History of Employment

Tectonic – 2008-Present
Richmond Testing Laboratories, Inc.
Future Tech Consultants
Material Testing Laboratory

JAMES P. ORCUTT, ACI, ICC, N-III

Assignment
Inspector

Years of Experience With Firm
21

With Other Firms
24

Education
B.S. Geology, Hartwick College, 1989

Professional Registrations
ASCET Certified

Certified NICET Level III – Highway Construction Materials Testing & Inspection (1999)

Certified ACI Grade I – Concrete Field Testing & Inspection

Certified for OSHA Confined

Structural Steel & Welding Special Inspector

Certified ACI Concrete Construction Special Inspector

ICC Certified Spray-on Fireproofing Inspector

Current Responsibilities

As Supervisor of Construction Inspection Services and a Senior Construction Inspector, Mr. Orcutt's responsibilities include daily field reports review and weekly summary compilation of job activities for distribution to clients, overview of field staff performance and coordination, attendance at project coordination meetings, updating QA/QC punch lists, documentation of non-conformance of field activities, and provision of direction/assistance to field staff. Other responsibilities include monitoring of job budgets, proposal preparation and billing reviews.

Summary of Experience

Interim Concrete Inspection Program, NY, *NYCDEP.* As Concrete Laboratory Director, responsibilities include: scheduling and supervising of field technicians and lab technicians, review of final inspection reports and review/distribution of certified letters of test results. The project includes upgrades to various watershed project sites throughout NYS including Croton Filtration Plant, Cat 210 treatment plant, Croton Falls Dam, Kensico Dam, Sodom/Bog Brook Dam, Reconstruction of (6) Upper Croton Watershed Bridges, Port Jervis WWTP and Gilboa Dam on the Schoharie Reservoir. (On going Term Contract)

Dormitory Authority State of New York (DASNY), Project Manager - As Project Manager, responsibilities include daily field reports review and weekly summary compilation of job activities for distribution to clients, overview of field staff performance and coordination, attendance at project coordination meetings, updating QA/QC punch lists, documentation of non-conformance of field activities, and provision of direction/assistance to field staff. Other responsibilities include monitoring of job budgets, proposal preparation and billing reviews. Performed project coordination and management for all phases of the construction inspection group, including cost proposals, project set up/ coordination and coordination of field personnel for the following DASNY projects:

- SUNY Pace Judicial Institute Building Addition and Parking Garage, White Plains, NY
- Mid-Hudson Forensic Psychiatric Center, Goshen, NY
- SUNY New Paltz Dormitory, New Paltz, NY
- Taconic DDSO Wassaic Campus Water System, Wassaic, NY
- Middletown Psychiatric Center, Middletown, NY
- Chenango County 911 Communications Upgrades, Chenango County, NY
- NKI- Animal Annex Building, Orangeburg, NY
- OMH- Rockland Children's Psychiatric Center, Orangeburg, NY
- Lehman College New Science Facility, Bronx, NY

- Harlem Hospital New Patient Pavilion, Harlem, NY

Bethel Performing Arts Center, Bethel, NY. Assistant Supervisor/ Senior Steel Inspector responsible for assisting with project coordination and management for the construction inspection of this project. As Senior Steel Inspector, responsibilities included all facets of steel erection including welding and bolting inspection and coordination of steel fabrication shop inspection.

Iona College Student Union & Athletic Center, New Rochelle, NY. Assistant Supervisor/ Senior Steel Inspector responsible for assisting with project coordination and management for the construction inspection of this project. As Senior Steel Inspector, responsibilities included all facets of steel erection including welding and bolting inspection.

Baker Engineering, Schoharie/Manorkill Bridge projects and Kensico Dam Project, NY, *NYCDEP.* Assistant Construction Manager/Lab Director responsible for project coordination and management for the construction inspection of this project including concrete data entry and review or break results submitted to the NYCDEP.

Legends at Pocantico Hills, Sleepy Hollow, NY. Assistant Supervisor responsible for assisting with project coordination and management for the construction inspection of this project, including review of as-built plans/submittals for certification of water and sewer to the Westchester County Department of Health.

Legends at Manhattan Woods, West Nyack, NY. Assistant Supervisor responsible for project coordination and management for the construction inspection of this project, including review of as-built plans/submittals for certification of water and sewer to the Rockland County Department of Health.

Home Depot Retail Facility, Oneonta and Catskill, NY, Assistant Supervisor/ Senior Steel Inspector responsible for assisting with project coordination and management for the construction inspection of this project. As Senior Steel Inspector, responsibilities included all facets of steel erection including welding and bolting inspection.

Riverbend Residential Project, Peekskill, NY. As Assistant Supervisor, assisted with project coordination and management for the construction inspection of this 2 year housing project.

Monroe College Dormitory, New Rochelle, NY. As Assistant Supervisor, assisted with project coordination and management for the construction inspection of this six story reinforced concrete dormitory, including coordination of concrete batch plant inspections.

Lowe's Home Improvement Warehouse, Newburgh, NY, *NYSDOT Road Improvements, Region 8.* Assistant Supervisor of Construction Inspection Services responsible for assisting with the project coordination and management for the construction inspection of this project. Also responsible for the review of submittal by contractor to the NYSDOT. Also performed structural steel inspections on-site.

Discovery Cove at Half-Moon Bay, Croton-on-Hudson, NY. As Assistant Supervisor, Assisted with project coordination and management for the construction inspection of this project, including review of as-built plans/submittals for certification of water and sewer to the Westchester County Department of Health.

Chronological History of Employment

Tectonic – 1990-Present

RONGHAO CHEN, PE

Assignment
Inspector

Years of Experience With Firm
3

With Other Firms
24

Education
B.S. Civil Engineering, Tong Ji University, Shanghai, China

M.S. Civil Engineering, New Jersey Institute of Technology

Professional Registrations
PE: New York – No [redacted]

Current Responsibilities

Mr. Chen has 27 years of experience in the construction field, ranging from contract management to performing inspections. He is very familiar with various aspects of construction, such as HVAC/mechanical, plumbing, electrical, roof and foundation work, demolition, structural stability, pile driving, soil work, concrete, steel, masonry and asphalt.

Summary of Experience

Police Academy, NY, *NYCDDC.* Tectonic is providing special inspection services for the $1.5 Billion construction of the New York Police Academy under our Citywide Controlled Inspection and Testing Laboratory Services contract. Responsible for all inspections and testing with strict adherence to NYCDOB standards.

Queens House of Detention, Queens, NY, *NYCDDC.* Responsibilities include performing pile driving inspections under citywide Controlled Inspection and Testing Laboratory Services contract.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, *NYCDDC.* Providing special inspection services under a three-year, task-order contract for Cultural, Police and Fire facilities and Libraries. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: Stapleton Branch Library, Greenpoint EMS, CSV Vaults, Elmhurst Library, etc.,

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_3R, *NYCDDC.* Providing special inspection services under a three-year, task-order contract for Health, Human Services and Transportation facilities. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: Riverside Health Center, Various Beachfront locations, Ferry Point Main Building, Hamilton Ashalt Plant.

CNYG-110M Construction Project Management Services for Reconstruction of Various Parks and Recreation Facilities, *NYCDPR.* Inspector responsible for providing controlled inspections for various parks involving projects consisting of construction and reconstruction of various recreational facilities, synthetic turf and conventional ball-fields, roofing, tree planting, playgrounds, comfort stations, swimming pools, environmental remediation, wetland remediation, boardwalks, bike paths, bridle paths, band-shells, boathouses, running tracks, hockey rinks, waterfront construction, etc. Assignments include: Olmstead Center Annex and Rachel Carson Playground.

Contract No. 47580001 – Retainer Contract for Inspection Services at Various Locations throughout NYC, *NYCEDC.* Providing On-Call construction inspection services at various locations throughout NYC. Providing necessary construction inspections of materials and installation to ensure work conforms to contract documents and the NYC Building Code. Assignments include: Steeple Chase Plaza

Masonry and Concrete Inspections, Various Locations throughout the Five Boroughs, *NYCHA.* Responsible for conducting masonry and concrete inspections. Working towards project completion. Reported all findings on a daily basis back to the client. Assignments included: Soundview Houses.

Special Inspection and Laboratory Testing Services SCA09-00013R [Contract# C11275], *NYCSCA.* Provided inspection and testing services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments include: IS139, PS157, PS48, JS80X, IS147, etc.

Carnegie Hall Studio Towers – Testing and Inspection Services, *Carnegie Hall Corporation.* Responsibilities include performing inspections of structural stability as well as documenting and reporting all findings to the project managers and the client.

1254 East 14th Street, New York City, NY, *Lillo Brothers Holding Corporation.* Special Inspector whose responsibilities include performing excavation, sheeting and shoring inspections. Other duties include reporting all findings to clients and interacting with all trades at the site to ensure project progress.

Winsonet, Inc., Princeton, NJ. Civil Engineer/Construction Inspector whose duties and responsibilities included modifying plans for office buildings including mechanical and plumbing items, inspect residence buildings for compliance of NYC building codes and performing NYC DOB filing.

New York City Department of Environmental Protection, Flushing, NY. Civil Engineer/Construction Project Manager whose duties and responsibilities were to prepare and review Structural/Architectural /MEP design and construction documents, specifications and estimates for various types of construction, renovation and repair projects. Originated and managed contracts as assigned. Evaluated buildings for structural stability, HVAC and programming needs as well as made recommendations for and supervised the correction of any problem observed. Provided resolutions and direction to project workers, consultants and contractors when problems occurred in project management, design and construction. Convinced all parties to use DEP's in stock 9,600 glazed large masonry blocks at Remsen Yards project and receive more LEED points. Controlled large capital project on schedule with quality. Inspected construction of DEP facilities including façade, roof, foundation, demolition, electrical, mechanical and plumbing.

Cole Consulting, Elmsford, NY. Senior Civil Engineer/Construction Project Manager whose duties and responsibilities were to perform structural condition surveys, construction project investigation and inspection including structures and materials at New Goldman Sachs Headquarter, Renovation of Lincoln Performing Art Center and Esperanza Office and Apartment Building.

Chronological History of Employment

Tectonic Engineering & Surveying Consultants, P.C. – 2011-2014
Winsonet, Inc. – 2010
NYCDEP – 2009-2010
Cole Consulting – 2008-2009
NYCHA – 2000-2008
Flour Daniel Co. – 1997-1999
SCS Engineers – 1995-1996
Key Tech Co. – 1986-1995

SCOTT V. PLANT, PE

Assignment
Inspector

Years of Experience With Firm
< 1

With Other Firms
25

Education
B.S., Civil Engineering, University of South Florida, 1988

Professional Registrations
PE: New York – No. [redacted] (1996)
New Jersey – No. [redacted] 1994)

ACI Concrete Field Testing Technician – Grade 1 (2012)

Traffic Control Coordinator, (2012)

NJSAT Asphalt Paving Construction Technologist (2009)

Current Responsibilities

Mr. Plant is a Resident Engineer for Structural Engineering for KS Engineers in New Jersey and New York. He provides Resident Engineering services for many of the local transportation agencies in the New York and New Jersey marketplace, including the NJ Turnpike Authority, NYSDOT, NYCDOT, MTA-Metro-North, and MTA-Bridges and Tunnels.

Summary of Experience

Manhattan West Platform - Brookfield Properties, New York, NY. Project Manager for this project involving the construction of a segmental girder platform over LIRR track to the Hudson Yards and Amtrak's Northeast Corridor. The platform is constructed with 16 segmental girders composed of 33 precast segments which are post-tensioned and grouted together to form one girder. The each girder is placed adjacent to each other on cap beam bearings to create the working platform for high-rise building construction. As Project Manager, Mr. Plant's responsibilities include management and supervision of independent 3rd party post-tensioning and grouting inspection, and secondary inspection of bearing installation, anchorage elastomeric coating, temporary post-tensioning and material handling.

14th Street Viaduct Construction Management, Hudson County, Harrison, NJ. Resident Engineer for the existing 14th street viaduct is a 30 span, 1459 feet long bridge running east to west from Willow Avenue to Manhattan Avenue in the city of Hoboken, Hudson County, NJ. The viaduct crosses over several local streets such as Madison Street, Jefferson Street, Adams Street, Grand Street, Clinton Street and also NJ Transit rail tracks towards the west end under Span 28. The existing bridge superstructure comprises of multiple steel girders in most of the spans except two truss spans - one over Adams Street and the other over the NJ Transit tracks. The substructure units are steel bents supported on piles. The existing bridge structure has been showing signs of deterioration and has required a few emergency repairs. This contract is for providing construction management service for this project. As Resident Engineer, Mr. Plant's duties included being the Owner's direct on-site representative to the contractor, direct supervision of the Construction Project's Field Inspection / Engineering staff, performing quality assurance oversight of major items of work in progress and ensuring that the project is constructed in accordance with the plans and specifications for the owner. Specific items overseen/inspected by Mr. Plant included:

- MPT on local roads.
- Construction of pedestrian precast concrete tunnel and retaining walls.
- Installation of lighting conduits and wiring.
- Rock excavation for new abutment construction.
- Substructure construction of reinforced concrete footings, pier columns and caps.

Rehabilitation of Dodd St and Clark St Bridges, Essex County, NJ. Resident Engineer for this project involved design engineering and construction inspection services for the Replacement of the Center Street Bridge over Third River in the Township of Nutley, and the Rehabilitation of of Dodd Street Bridge over Second River in East Orange and the Rehabilitation of Clark Street Bridge over Toney's Brook in Glen Ridge. As Resident Engineer, Mr. Plant's duties included being the Owner's direct on-site representative to the contractor, direct supervision of the Construction Project's Field Inspection / Engineering staff, performing quality assurance oversight of major items of work in progress and ensuring that the project is constructed in accordance with the plans and specifications for the owner. Specific items overseen/inspected by Mr. Plant included:

- MPT on local roads.
- Complete demolition of a temporary sidewalk bridge over Second River.
- Superstructure construction of elastomeric bearings, precast concrete deck beams and barrier parapets.
- Reconstruction of asphalt driveway aprons

New Jersey Turnpike Widening Program Contract 201, Bordentown, NJ, *NJTA*. Resident Engineer for this project included the construction of one mile of three northbound and southbound outer travel lanes, seven MSE walls, three steel-framed bridges, narrowing two existing bridges, VMS and static sign structures, tunnel and under-bridge lighting. As Resident Engineer, Mr. Plant was responsible for a constructability review program wide, construction inspection and material testing supervision, field issue resolution, utility and agency coordination, change order/claim resolution, and payment processing.

World Trade Center Vehicle Security Center, Manhattan, NY, *PANYNJ*. Estimator for this project included all estimation of work involved with the proposed construction of the Vehicle Security Center. As Estimator, Mr. Plant's responsibilities included performing quantity take-offs and developing costs for all building trade work.

Chronological History of Employment

KS Engineers, P.C. – 2014-Present
TY LIN International – 2013
CTE Engineers/DMJM Harris/AECOM – 2009-2013
Jacobs Engineering Corporation – 2007-2008
CTE Engineers/DMJM Harris/AECOM – 1990-2007
Williams & Associates / Adience Corporation – 1988-1990

SHELTON RIMPLE

Assignment
Inspector

Years of Experience With Firm
< 1

With Other Firms
17

Education
Bachelors of Electrical Engineering Technology (B.T.E.E.), New York Institute of Technology-Metro Camps, 1996

Associates in Avionics Technology (AOS), College of Aeronautics, LaGuardia Airport; Flushing, New York, 1990

Current Responsibilities

Mr. Rimple is an Electrical Construction Inspector for KS Engineers in New Jersey and New York. He provides inspection for installation of electrical systems, fire alarms, and fiber optic communications systems for residential, commercial, and institutional buildings and subway stations.

Summary of Experience

High Rise Fire Protection, Brooklyn, NY. Electrical Technician and Inspector. Duties included repairing, testing, and inspecting fire alarm systems for residential, commercial, and institutional buildings in New York City area.

New York State Office of the Attorney General-Investor Protection Bureau, New York, NY. Electrical Engineer and Inspector. Duties included surveying and investigating any violations to condominiums and co-operative apartments for purchase in New York State and City.

Capital Program Management, *MTA NYCT.* Electrical Construction Inspector. On-site Inspector for installation of fiber optic communications system.

Capital Programs, *MTA NYCT.* Electrical Construction Inspector. On-site Inspector for installation of fire alarm systems.

Port Authority of New York & New Jersey, PATH. Electrical Construction Inspector. Duties included installation of electrical systems for Port Authority Trans-Hudson subway stations.

New York Board of Education, Long Island City, NY. Electrical Construction Inspector. Fire Alarm Inspector inspecting and surveying fire alarms for New York City schools.

College of Aeronautics, LaGuardia Airport, Flushing, NY. Avionics/Electronics Instructor for enrolled students.

United States Navy. Avionics Technician. Duties included installation, repair, and maintenance of aircraft electronics for fixed wing and rotary aircraft. Upon honorable discharge, awarded the National Defense Ribbon.

Chronological History of Employment

KS Engineers, P.C. – 2014 - Present
High Rise Fire Protection – 2013 - 2014
New York State Office of the Attorney General – 2006 - 2011
Rotator Staffing Services – 2004 - 2006
New York City Board of Education – 2002 - 2003
HAKS Engineers and Surveyors, PC – 1998 - 2003
College of Aeronautics – 1994 - 1997
United States Navy – 1990 - 1991

KENNETH F. ECKEL

Assignment
Inspector with NACE Certification

Years of Experience With Firm
<1

With Other Firms
14

Professional Registrations
NACE Level 2 Coating Inspector

Rutgers Traffic Control Coordinator (TCC) (2011)

SSPC C -3 Supervisor/ Competent Person Training for Deleading of Industrial Structures

Current Responsibilities

Mr. Eckel is an Inspector at Gannett Fleming responsible for structural inspection duties, such as bridge painting and coatings inspection.

Summary of Experience

Verrazano-Narrows Bridge, Brooklyn, NY, *TBTA.* Responsible for inspection of SP10 blast, 100% containment, and three coat painting system, monitoring lead emissions from containment. Also made certain that all safety regulations were followed by seven paint crews working daily. Inspection responsibilities included lead removal, bridge painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures.

Region South Term Agreement, Contract 2010-1 Route 55 and Contract 2011-1 Maintenance Bridge Painting, Various Locations, NJ, *NJDOT.* Coatings Inspector responsible for construction inspection services for this federally funded contract. Contract 2010-1 involved 11 bridges along Route 55 in Deptford, Mantua, and Washington Townships, Gloucester County. Contract 2011-1 involved maintenance bridge painting. Responsible for monitoring containment operations, MPT, quality of coating materials, proper storage, mixing, application, inspecting coating for compliance with contract specifications, surface preparation, and managing and training the inspection force.

Contract No. T100.147, Bridge Painting Structure No. 84.24, *NJDOT.* This contract included the removal of approximately 180,000 square feet of existing lead based paint to a near-white (SSPC SP-10) blast cleaning standard, utilizing a full containment system during all blasting and repainting activities. The work also involved abrasive blasting (SSPC SP-10) and painting of approximately 70,000 square feet of weather steel within the widened portions of Structure No. 84.24S and throughout Structure No. 84.24N. The work on the weathering steel specifically involved the beam-ends, areas below the bridge deck joints and areas as directed in the field during construction. The existing paint system was replaced with a NJTA-approved three coat system (Zinc-Rich Primer/Epoxy Intermediate/Urethane Finish). Work also included deck joint seal replacements on the northbound Inner and Outer Roadways (Structure No. 84.24N), MPT and other incidental work called out in the contract documents. Inspection responsibilities included lead removal, bridge painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures

Region South Maintenance Bridge Painting, 2009-1, Camden County, NJ, *NJDOT.* This $3M Consultant Fee (overall construction value: $18M) bridge painting inspection project involved removal of lead based paint and repainting the structures including the concrete abutments for various bridges in Camden County, NJ. Responsible for monitoring containment operations, MPT, quality of coating materials, proper storage, mixing, application, inspect coating for compliance with contract specification, surface preparation, also managing and training the inspection force. Inspection responsibilities included lead removal, bridge

painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures.

Construction Supervision of Pile Repairs, Contract R-1518, *NJDOT.* This $8M project involved construction of supplemental pier caps with drilled micropiles, concrete pile repairs and pile encapsulation with fiber wraps and prefabricated shells, fender systems, slope protection improvements, bridge jacking, environmental inspections, cofferdams, substructure waterproofing/watersealing and other related miscellaneous work items in a marine environment at Structure Nos. 0.42L, 1.66, 7.85, 17.50 and 18.45. The majority of work will be performed over waterways during daytime hours using long-term shoulder closings.

Benjamin Franklin Bridge, Phase IV, *DRPA.* Responsible for the coating inspection of the main span of the Benjamin Franklin Bridge as part of this overall project having a total construction cost $87M. Inspection responsibilities included lead removal, bridge painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures.

Benjamin Franklin Bridge, Phase III, *DRPA.* Responsible for the inspection of the interior and exterior of the Camden and Philadelphia towers. Inspection of containment, blast and three coat painting system on exterior of tower and SP3 paint removal and two coat moisture paint system of interior cells of tower. Inspection responsibilities included lead removal, bridge painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures.

Benjamin Franklin Bridge, Phase II, *DRPA.* This project involved inspection of blast and profile, and taking dry film thickness readings of three coat paint systems. Observed safety and lead emissions from containment. Monitored ambient conditions and made daily reports. Inspection responsibilities included lead removal, bridge painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures.

Walt Whitman Bridge, *DRPA.* Performed coatings evaluation of 240 bearings. This included taking total dry film thickness reading, performing adhesion tests, copper sulfate testing, photographs, a report and recommendations of all the findings and results of all the tests submitted at the end of the project. Inspection responsibilities included lead removal, bridge painting (three coat paint system), traffic control, monitoring containment, hazardous material, environmental safety, and lane closures.

Chronological History of Employment

Gannett Fleming – 2014-Present
Greenman-Pederson, Inc. – 2006-2014
US International Services, Inc.- 2000-2005
Corrpro, Inc. - 1999

FARID NOWBAHAR

Assignment
Inspector with NACE Certification

Years of Experience With Firm
3

With Other Firms
22

Education
Civil Engineering (Iran)

Professional Registrations
SSPC Certificate of Completion C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures (3/2006)

SSPC Certificate of Completion C-5 Supervisor/Competent Person Refresher Training for Deleading of Industrial Structures (1/2010)

KTA-Tator, Inc.
Certificate of Attendance: Level III Coatings Inspection – No. [redacted] (2002)

Current Responsibilities

Mr. Nowbahar has 20 years of construction supervision experience, mostly working on NYSDOT and NYCDOT projects involving bridge maintenance and painting components. He offers in-depth knowledge of abatement methods.

Summary of Experience

Emergency Sidewalk Repairs, Hurricane Sandy, Various Locations in the 5 Boroughs, NYC, New York, *NYCDDC.* Inspector responsible for providing Inspection services for the reconstruction of sidewalks and curbs pulled up by fallen trees caused by Superstorm Sandy in early November of 2012. Tectonic is providing administration and inspection services to facilitate timely repairs and ensure the quality of the Contractor's reconstruction work. Repair efforts are quickly coordinated as soon as debris is removed from the affected areas.

DO30974 Term Agreement for Construction Inspection Services – Region 8, New York, *NYSDOT.* Inspector whose duties included performing construction inspections on the $3.5M term agreement for bridge replacement or rehabilitation and highway reconstruction projects varying in scope and duration.

DO30905 Term Agreement for Construction Inspection Services – Region 8, New York, *NYSDOT.* Inspector whose duties include performing construction inspections on the $3.5M term agreement for bridge replacement or rehabilitation and highway reconstruction projects varying in scope and duration.

D261371 Painting of 61 Bridges on I-84 under Term Agreement D030654 in Region 8, *NYSDOT.* Senior Inspector responsible for inspecting bridge painting of 61 Bridges across Region 8, NY. The painting of the bridges involve steel shot removal of paint, Class A containment of lead paint, extra intermediate 5 coat painting, night work requiring night lights, arrow boards and MPT. Two of the 61 bridges arch over railroads and are located in Orange County. Three bridges over water are located in Orange and Dutchess Counties.

Bridge Painting of 8 Bridges on I-84 under Term Agreement D030574 in Region 8, *NYSDOT.* Inspector responsible for inspecting blasting and painting of 8 bridges. Work involved localized paint removal, primer intermediate stripe coat and finish, Class A containment of lead paint, night work and MPT for local county lanes.

D260542 PIN 8809.85.321 Bridge Maintenance Painting in Dutchess and Putman Counties under Term Agreement D015696 in Region 8, *NYSDOT.* Senior Inspector responsible for this $1.87M project which involves painting 9 bridges on I-84 east of Newburgh/Beacon Bridge. Work involved localized paint removal, primer intermediate stripe coat and finish, Class A containment of lead paint, night work and MPT.

Rehabilitation of 5 Bridges, Westchester, Dutchess and Putnam Counties, NY, *NYSDOT.* Inspector responsible for blasting and painting with Erie Painting. Work involved localized paint removal, primer intermediate stripe coat and finish, Class A containment of lead paint, night work and MPT.

Rehabilitation of 5 Bridges, Westchester, Dutchess County, NY, *NYSDOT.* Inspector responsible for paint removal using Peel-Away and painting with Pensa Contracting Inc. Work involved localized paint removal, primer intermediate stripe coat and finish, Class A containment of lead paint, night work and MPT.

Inspection of 16 Bridges, Staten Island, NY, *NYSDOT.* Inspector responsible for blasting and Painting with Delphi Contracting and Decorating. Work involved localized paint removal, primer intermediate stripe coat and finish, Class A containment of lead paint, night work and MPT.

Rehabilitation of 8 Bridges on I-495, *NYSDOT.* Inspector whose duties included change bearings, joints and concrete. Work involved localized paint removal, primer intermediate stripe coat and finish, Class A containment of lead paint, night work and MPT.

Queens Resurfacing Project at Seven Different Locations, *NYSDOT.* Construction Inspector NICET Level II for this project which involved asphalt concrete paving and installation of pedestrian ramps. The 7 locations included Van Wyck Expressway, Francis Lewis Boulevard, Roadway below Whitestone Bridge, 164th Street, Horace Harding Expressway, Liberty Avenue and Farmer Boulevard. Duties included material inspection, field measurements for concrete, asphalt, catch basins and manholes as per contract specification. Also responsible for contractual payments. Total Construction Cost was $12M.

Chronological History of Employment

Tectonic – 2011-Present

AHMED HUSAIN ZUBAIR

Assignment
Inspector with NACE Certification

Years of Experience With Firm
1

With Other Firms
7

Education
B.S., Civil Engineering, Drexel University, 1997

Professional Registrations
NACE CIP Level 1

NACE CIP Level 1 w/ Marine Specialty

NACE CIP Level 2

NACE CIP Level 2 w/ Marine Specialty

NACE CIP Level 3 – Peer Review with Marine

Current Responsibilities

Mr. Zubair is a Construction Inspector for KS Engineers in New Jersey and New York. He provides inspection for both highway and bridge work, including bridge structural painting and paint removal; scheduling; cost estimation; processing change orders; sanitary sewer and water main installation; air monitoring; maintenance and protection of traffic; surveying monuments; excavation; sub-base concrete and asphalt pavement; erection of electric poles; sidewalk installation; etc.

Summary of Experience

DRJTBC, Upper Black Eddy-Milford Toll-Supported Bridge, Contract No. TS-444A, Milford, PA - Painting and structural inspector for the rehabilitation of the Upper Black Eddy - Milford Toll-Supported Bridge, a three (3) span Warren truss structure with a total length of approximately 700 feet between abutment backwalls. Work included: replacement of entire existing floor system, including 3 1/2" thick concrete filled inverted T-beam deck, steel stringers, steel floorbeams, associated deck joints, and lower chord lateral cross-bracings with new galvanized structural steel members; replacement of the entire length of existing steel plate sidewalk with a new sidewalk while maintaining the existing sidewalk cantilever brackets; installation of new sidewalk support stringers and tension ties; identify areas of steel sectional loss and check for damage and loose rivets and approve locations for rivet replacements; replacement of existing truss fixed and expansion bearings in all spans; cleaning and painting of all structural steel utilizing a Class 1 A Containment System and surface prep std of SSPC SP-10 level of abrasive blast cleaning of steel and application of a three coat zinc system; replacement of entire existing lighting system and CCTV with system; replacement of entire existing pedestrian railing with a new decorative pedestrian railing and replacement of abutment backwalls; repair of deteriorated areas of concrete and stone masonry at all abutments and piers; removal and replacement of existing near and far approach curbs and sidewalks in the immediate vicinity of the bridge; milling and overlaying of both approach roadways; cleaning of existing inlets and pipes; installing traffic stripes within the project limits, and installing new traffic control signs. All construction work performed under a full-time detour.

DRPA, Construction Monitoring Services for the Walt Whitman Bridge Steel Painting, NJ & PA - Construction Inspector/Bridge Painting Inspector responsible for the inspection of surface preparation for the coating of steel members that included removal of existing lead-based paint and application of new high-performance coating system to the Philadelphia deck-truss spans, the Philadelphia twin-girder simple spans, and the 2 lower-layer interior cells of the Philadelphia Tower and the Gloucester Tower. The project also included maintenance painting of the Philadelphia girder spans and the approach overpass bridge structures in New Jersey and Pennsylvania. Work included application of 3 coats of paint for the steel members, using Class 1A containment for abrasive blasting. Primer, intermediate, and final coat were applied and reports were prepared for placement in contract document files.

NYSDOT Region 11, Nassau Expressway & Interim Nassau Expressway Pavement Rehabilitation & Resurfacing (Including painting of 7 bridges) - Chief Inspector responsible for providing civil engineering expertise to the whole construction project of rehabilitation of 7 bridges and ramps. Responsibilities included protecting client's interest through quality control and mitigation of schedule problems relating to completion deadlines. Monitor CPM schedule and progress of work as per schedule deadlines. Check RFIs, evaluate RFIs feasibility and coordinate with field inspectors and design consultant and contractor. Widening of highway ramps. Installation of new sub base and concrete pavements. Shoring and replacement of bridge decks. Replacement of bridge bearing. Operations involve shoring and hydraulic jacking of bridges. Installation of Calcium Patch to replace deteriorated concrete on approach slabs at abutment locations. Review shop drawings, perform site inspection, ensure all construction proceeds in accordance to contract specifications and approved shop drawings. Oversee MPT setup and sign installations. Check installation of vehicle arresting barrier net. Coordinate and liaise with different City and State agencies to mitigate upcoming problems and conflicts. CALL INFORM traffic communication about all lane closures and openings. Review and sign off Daily Work Records of Construction Inspectors daily reports. Performed office engineering duties also by obtaining work completion information from all inspectors daily reports and tallied the quantities completed with quantities approved for payment and matched the same with CEES quantities data entry.

NYSDOT, Project Cleaning & Painting of 26 Bridges on Major Deegan Expressway (Contract #D257788), NY - Bridge Painting Inspector responsible for overseeing lead removal and protective coating of 26 bridges on I-87. Work entailed environmental protection, air monitoring, and construction of Class A containment for surface preparation of steel in accordance with NACE 3/SSPC 6 and NACE4/SSPC 7 standards; quality control; engineering safety; environmental compliance specially pertaining to lead removal; design of highway construction zone, maintenance and protection of traffic, and night time construction illumination. Coordinated with traffic advisory and NYPD Highway Patrol Police.

NYCDOT, Protective Coating of East 149 Street Bridge & Woodlawn Road Bridge over Metro-North Railroad, NY – Bridge Painting Inspector responsible for inspection of lead removal and painting using Class B containment and power-tool cleaning. Performed air monitoring and analysis of particulate concentration using personal data RAM machine. Supervised hazardous waste disposal, environmental compliance, and maintenance and protection of traffic.

Chronological History of Employment

KS Engineers, P.C. – 2013 - Present
Entech Engineering – 2006 - 2009
KS Engineers, P.C. – 2005 - 2006
M.A. Angeliades – 2004 - 2005
Massans Eng & Urbitran – 2000 - 2002
L.A. Wenger, Construction Inspector (1997 – 2000)

SHELDON WILLIAMS

Assignment
Inspector with NACE Certification

Years of Experience With Firm
< 1

With Other Firms
10

Education
High School Diploma, Trinidad

Professional Registrations
AWS- CWI: No. [redacted]

NACE CIP Level 1, Level 2:
No. [redacted]

Current Responsibilities

Mr. Williams is a Construction Inspector for KS Engineers in New Jersey and New York. He provides welding and painting inspection services, including inspection for bridge painting for multiple contracts with NYSDOT. His experience includes performing QA/QC oversight for welding operations and conducting reviews of quality checks for welding and radiographic work.

Summary of Experience

REI Services for Component Rehabilitation of 10 Bridges, Brooklyn, NY, *NYCDOT.* Inspector. Scope of work includes constructability review of the design documents; CPM review of schedule and updates; continuous REI services and material testing; and public outreach. Construction cost - $6.35 million.

Region 10 Term Agreement, Contract D030568 for Bridge Painting, Nassau & Suffolk County, NY, *NYSDOT.* Inspector. Inspected bridge painting for multiple contracts on all of the Region's major highways including: Rte 27, Southern State Parkway, Long Island Expressway, Northern State Parkway, Rte 25, Rte 25A, Meadowbrook Parkway, Rte 135 and more. Much of the work was performed at night with WZTC for lane closures. Work included containment and hazardous waste (lead paint) removal prior to installing primer, and a minimum of two coatings. Construction cost - $20 million.

Croton Water Treatment Plant, Bronx, NY. QA General Field Inspector. Supervised all welder qualification tests. Reviewing of weld procedures and welder qualifications. Oversight of all welding operations and NDE requirements. Supervised mapping and tracking of weld, the receiving and installation of equipment (Tanks, pumps, UV units), all QC contractors welding/painting/and mechanical. Walking of packages consisting of pneumatic testing. Pre-hydro and post hydro testing. Supervised all painting and mechanical contract. Piping system restoration. Supervised NDE inspection using the PT and MT process. Construction codes: ASME Section IX, ASME B31.1, ASME Section V, AWS D1.1, and AWS D1.6.

Croton Water Treatment Plant Raw and Treated Water Tunnels Connecting UV Plant, Bronx, NY. QA Welding Inspector. Supervised all welder qualification tests. Oversight all welding operations and NDE requirements. Review all welding procedures and qualifications. Supervised mapping and tracking of the weld. Supervised NDE inspections using the PT process. Construction codes are AWS D1.1.

Teal/Bimodal, Houston, TX, *S&B Engineers and Constructors, Ltd.* QA Welding Inspector. Responsible for conducting visual and dimensional examinations. Oversight all welding operations. Walking of packages consisting of pre-hydro, hydro, and post-hydro test. Mapping and tracking weld. Performed NDE inspections using the PT and the MT process. Construction codes are: ASME Section V, ASME Section VIII, ASME Section IX, ASME section B31.1, and AWS D1.1.

Meeker II Gas Plant, Meeker, CO, *S&B Engineers and Constructors, Ltd.* QA/QC Welding Inspector. Conduct visual and dimensional examinations. Oversight all welding operations. Walking of packages consisting of pre-hydro, hydro, and post hydro. Supervised all painting of mechanical contract. Mapping and tracking welds. Supervised NDE inspections using the PT and MT process. Construction codes: ASME Section V, ASME Section VIII, ASME Section IX, ASME Section B31.1.

Oil States Industries, Inc. Houston, TX. QC Welding Inspector. Oversight of all welding operations. Dimensional verifications of fabricated structures. Supervised all painting of mechanical contract. Visual acceptance of weld and weld mapping. Supervised NDE inspections using the PT and MT process. Construction codes AWS D1.1 and API 1104.

Borco Oil Refinery, Upgrade Project, Freeport, Bahamas. (C.W.I.) Welding Inspector. Conducted/reviewed quality checks of all welding and radiographic. Testing procedures during the upgrade phase of Borco Oil Refinery tanks and associated piping. Construction codes are ASME Section V, ASME Section VIII, ASME Section IX, and ASME B31.3

Weld Services, Trinidad and Tobago. (C.W.I.) Welding Inspector. Welding of piping and structural members in accordance with the American Society of Mechanical Engineers code requirements during the shop fabrication phase of various projects. Responsible for visual acceptance of completed weldments. Construction codes are: ASME Section V, ASME Section VIII, ASME Section IX, and ASME Section B31.3.

Chronological History of Employment

KS Engineers, P.C. – 2014 - Present
HAKS – 2013 - 2013
Malcolm Pirnie (Now Arcadis, Inc.) – 2009 - 2012
S&B Constructors – 2008
Oil States Industries, Inc. – 2007 - 2008
Borco Oil Refinery – 2006 - 2006
Weld Services – 2003 - 2005

SYED IMRAN ALI

Assignment
Inspector with NACE Certification

Years of Experience With Firm
3

With Other Firms
17

Education
B.S., Mechanical Engineering, University of Taxila, Pakistan, 1985

B.S., Physics with Math Major, Gordon College, Pakistan, 1980

Professional Registrations
ACI Certification

NACE CIP Level 1

NACE CIP Level 2

Current Responsibilities

Mr. Ali is a Construction Inspector for KS Engineers in New Jersey and New York. He provides construction inspection for roadway reconstruction, bridge rehabilitation, and bridge painting projects, including milling and paving work, and existing lead paint removal utilizing class 1A containment systems. Has also performed office engineering duties, including review of all daily reports, estimates, and calculations.

Summary of Experience

Professional Construction Services for Driscoll Bridge Repainting and Miscellaneous Improvements, NJ and PA, *NJTA.* NACE Inspector for this project that included: existing lead paint removal utilizing class 1A containment systems; steel surface preparation; painting structural steel; performing of tests to confirm compliance with the contract specifications; miscellaneous improvements to the structure.

FHWA Maintenance Bridge Painting Contract 2010-3, Routes 35 and 37, NJ, *NJDOT.* Inspector on this project that included: existing lead paint removal utilizing class 1A containment systems; steel surface preparation; painting structural steel; performing of tests to confirm compliance with the contract specifications; maintenance and protection of traffic controls.

REI Services in connection with the Reconstruction of Manhattan Bridge (Contract #14), Rehabilitation of Cables & Suspenders, Boroughs of Manhattan and Brooklyn. This is a multimillion dollar project involving rehabilitation of main components of the Manhattan bridge, job responsibilities include preload verification of suspenders, removal of old suspender, installation of new suspender box and a new suspender as per approved design and procedures. The suspender loaded as per guideline of Weidlinger Associates. The job responsibilities also include removal of faying surfaces continuity and bearing plates and installation of the same, inspection of surface preparation Anchor profile, WFT, DFT and recording of ambient. Installation of work platform on Main cables TA platform and underdeck platform as per approved drawings and procedures. Services to be performed include detailed inspection and on-site field tests of all materials and items of work as is customary; field measurement and collection of data necessary to submit monthly and final estimates and progress reports; preparation of record plans showing all changes from the contract plans. A diary describing the progress of the work, specific problems encountered and all other pertinent information relative to the execution of the contract, and all records, shall be kept in accordance with the Manual for Uniform Record Keeping (MURK).

CI Services for Median Crossover Crash Protection Contract No. 11, Livingston and Morris Townships, NJ. *NJDOT.* Inspector responsible for the installation of double sided Guide Rail in the median of sections of Rt. 280, 287 and 124. Work included installation of double sided Guide rail, site clearing, installation of non-vegetative fabric and asphalt, bridge parapet modifications, Guide Rail end treatments, topsoil and seeding and maintenance and protection of traffic.

Construction Inspection Services for Construction of the Tonnelle Avenue Underpass, a part of the Trans-Hudson Express (THE) Tunnel Project", *NJ Transit.* Inspector, responsible for construction inspection of a railroad underpass at Tonnelle Avenue in North Bergen. The underpass will be adjacent to where the $8.7 billion project goes underground, allowing the two new rail tracks to begin their descent under Palisades Mountain. In addition to the Tonnelle Avenue underpass, the contract calls for relocation of utilities and construction of a new railroad embankment immediately west of Tonnelle Avenue. Tonnelle Avenue's four traffic lanes will remain open during construction, except for some night-time periods when traffic volumes are low. The underpass project was expected to be completed in 2012.

Roadway Rehabilitation, NY, *NYSTA.* Field/Office Engineer responsible for review of all the daily reports, estimates, calculations and stored them in CEASE software. Prepared change orders and negotiated settlement with the Contractor. Inspected milling of existing asphalt followed by base and top coat of new asphalt, (Super Pave) concrete from MP16.2 to MP 29.5 (project worth: Multi- Million Dollar). Full and partial depth repairs, core sampling, re-establish ditches, clearing and grubbing, **drainage repair**, new sign structures, bridge deck repairs, bridge joint repairs, concrete noise barrier repair, replacement of inductance loops, axle sensors and temperature sensors, installation of Star's and Pavement striping. Supervised all construction activities as per design parameters laid out in the Contract (E.I.C Richard Falletta).

General Construction Projects, NY, *Ram Construction, Paradise Construction, East Coast Construction & Design Inc., Royal America Inc.* Project/ Office Engineer responsible for supervising construction projects for different NY State Agencies such as: Departments of Housing, Health, Parks, and Recreation. Preparation cost estimates and bids for building and facilities construction in the NY/NJ area. Prepared and reviewed quantity estimates for all building materials. Inspected building structure in accordance with existing NYC Building Codes, and reviewed beam selection using software. Work also included inspection of fire sprinkler system, HVAC and electrical system. Used software to check selection of HVAC and Air Handling Unit.

Chronological History of Employment

KS Engineers, P.C. – 2013 - Present
GPI – 2010 - 2012
KS Engineers, P.C. – 2008 - 2010
Infrastructure Construction Inspector – 2006 - 2007
Ram Construction; Paradise Construction; East Coast Construction & Design Inc.; Royal America Inc. – 1995 - 1999
Dakhni Petrochemical – 1985 - 1995

BRIAN S. WALKER, ENV SP

Assignment
ACI ICC Inspector

Years of Experience With Firm
5

With Other Firms
7

Education
Certificate in Construction Project Management, New York University, 2011-2013

Professional Registrations
ACI Concrete Field Testing Technician - Grade I: Cert. No. [redacted] (2003)

PennDOT Certified CDS NeXtGen Operator: Cert. No. [redacted] (2004)

Construction Specifications Institute: Construction Document Technologist (2008)

NICET Level II - Building Construction-Water/Wastewater Plants: Cert. No. [redacted] (2008)

NICET Level III - Highway Construction: Cert. No. [redacted] (2009)

ICC Reinforced Concrete Special Inspector - No. [redacted] (2011)

ICC Structural Masonry Special Inspector - No. [redacted] (2012)

Envision™ Sustainability Professional (ENV SP): Institute for Sustainable Infrastructure (2014)

Current Responsibilities

Mr. Walker is a Civil/Structural Inspector responsible for performing inspection services to verify completion in accordance with contract requirements and specifications as part of a construction management team. He provides technical and professional viewpoints. He also assists in contract administration services, including review of contract documents, plans, and specifications; reviews contractor construction procedure, material, and safety submittals; reviews and verifies quantity payments made for completed work; reviews and prepares quantity takeoffs; and reviews and marks up as-built drawings. He attends weekly superintendent's meetings for work coordination and scheduling. Mr. Walker also inspects civil and structural elements of construction work including reinforced concrete, masonry, structural steel, pile driving, grading, and asphalt paving. He is also responsible for providing support and experience to mechanical and electrical inspections.

Summary of Experience

WP-283, Newtown Creek Wastewater Pollution Control Plant (WPCP) Central Residuals Building, Brooklyn, NY, *NYCDEP Bureau of Engineering, Design, and Construction.* Civil/Structural Inspector representing the NYCDEP for the construction of an approximately $400 million new central residuals building, including structures and equipment, heating, ventilation, and air-conditioning (HVAC), plumbing, and electrical work. The facility will contain, within influent screening, equipment for flows through 96-inch influent pipes, sludge screening systems, raw wastewater flow metering, degritting systems, skimming concentration systems, and materials conveyance systems. The building also includes an elaborate odor-control facility, as well as freight and passenger elevators. The central residuals building is one of many buildings being constructed on the 36-acre, heavily industrialized, Greenpoint Avenue site concurrently with other building and treatment tank upgrades. The more than $1 billion upgrade to the treatment facility will meet a consent order issued by the federal government. The combined service area of the Newtown Creek WPCP covers approximately 25.4 square miles and includes the three boroughs of Brooklyn, Queens, and Manhattan, with a combined sewage flow of 310 mgd. Treatment activities of the flow will include modified aeration with activated sludge without settling, effluent disinfection, 60 percent removal of biological oxygen demand, and 70 percent removal of suspended solids. The existing site previously contained a fuel terminal, operations building, and maintenance building.

Prior to the start of field construction, the site was excavated various grades below sea level. Approximately 1,050 steel cylinder piles were installed and concreted for the support of the residuals building. Support of underground utilities will be through the use of 60-ton H piles installed during the building construction. Additional construction activities of note involve the installation of tunnels; site work improvements; a sitewide fire alarm system; modifications to existing pumps, appurtenant piping, and valves; extension of 8-inch and 10-inch high-pressure water line for fire service with new hydrants and valves throughout the site; architectural modifications and additions; and the coordination and interfacing of four main contractors and their subcontractors. The new building included the construction and installation of both a passenger and a freight elevator.

Project No. 34-260, Widening of U.S. Route 7, Danbury, CT, *ConnDOT.* Construction Inspector for a $45 million widening of U.S. Route 7, which is the second phase of ConnDOT Project No. 34-315. This portion of U.S. Route 7 is classified as a principal urban arterial and is the primary north-south route in western Fairfield County. The existing highway has capacity and geometric deficiencies that cause unsafe driving conditions and delays. The project is 2.1 miles long and involves widening U.S. Route 7 from two lanes to four lanes; approximately 0.5 mile of this length is a divided highway. The project will improve safety and relieve traffic congestion by improving roadway geometry. Work activities include excavating approximately 100,000 cubic meters of soil; implementing extensive roadway drainage improvements; performing aerial and underground utility relocations; and constructing a pile-supported roadway above a wetland, a pile-supported embankment through a small portion of wetland, and a two-lane, single-span bridge over a local road. The new pavements will use Superpave. The project has also included adding seven sites to ConnDOT's statewide incident management system. The sites comprise variable message signs set on concrete foundations along a 10-mile section of I-84 starting at the New York State line. Five of the signs also have cameras mounted on masts. The signs and cameras are connected to and controlled by ConnDOT's Highway Operations Center in Newington. The sites are hardwired for power and communications. The installation required coordination among several subcontractors, the utility company, and ConnDOT.

Administration Building Construction, Milton, PA, *Milton Regional Sewer Authority.* Inspector for the construction of an administration building that involved multiple contracts and made schedule adherence a priority. Inspection services required knowledge of the plumbing, mechanical, and electrical work being performed. The steel structure was constructed on a concrete foundation. Inspected interior building work to make certain that the requirements of the building plans were being adhered to, which required knowledge of International Building Codes and Americans with Disabilities Act (ADA) provisions. Inspected the excavation and placement of 8-inch water main line from existing site to main building. Approximately 100 feet of new line was installed as part of the new building construction. The newly installed water lines were encased in concrete as required by the PADEP due to close proximity of live sewer lines.

Sewer Line Review, Tyrone, PA, *Northern Blair County Regional Sewer Authority.* Third-Party Reviewer of a construction project that involved claims among the owner, contractor, and engineer. Reviewed construction documents for the client and evaluated the validity of claims among parties involved. Assisted with presentations of findings to board members and advised on results to correct errors in contract writing. Reviewed video camera footage of newly installed lines and determined serviceability.

Chronological History of Employment

Gannett Fleming – 2009-Present
Herbert, Rowland & Grubic, PA – 2006-2009
Urban Engineers, PA – 2002-2006

KENNETH J. LANGONE

Assignment
ACI ICC Inspector

Years of Experience With Firm
5

With Other Firms
7

Education
B.S., Environmental Studies/Land Use Planning, State University of New York College of Environmental Science and Forestry, 1999

Professional Registrations
ACI Concrete Field Testing Technician - Grade I - No. [redacted] (2010)

ACI Associate Concrete Construction Special Inspector - No. [redacted] (2010)

Current Responsibilities

Mr. Langone is a Civil/Structural Construction Inspector responsible for inspecting and documenting construction activities in accordance with plans and specifications.

Summary of Experience

Newtown Creek Wastewater Pollution Control Plant, Central Residuals Building, Brooklyn, NY, *New York City Department of Environmental Protection (NYCDEP).* Civil and Structural Inspector representing the NYCDEP for the construction of an approximately $400 million new central residuals building, including structures and equipment, plumbing, electrical work, and heating, ventilation, and air conditioning (HVAC). The facility will contain influent screening, equipment for flows through 96-inch influent pipes, sludge screening systems, raw wastewater flow metering, degritting systems, skimming concentration systems, and materials conveyance systems. The building also includes an elaborate odor-control facility. The central residuals building is one of many buildings being constructed on the 36-acre, heavily industrialized, Greenpoint Avenue site concurrently with other building and treatment tank upgrades. The more than $1 billion upgrade to the treatment facility will meet a consent order issued by the federal government. The combined service area of the plant covers approximately 25.4 square miles and includes three boroughs, Brooklyn, Queens, and Manhattan, with a combined sewage flow of 310 mgd. Treatment activities of the flow will include modified aeration with activated sludge without settling, effluent disinfection, 60 percent removal of biological oxygen demand, and 70 percent removal of suspended solids. The existing site previously contained a fuel terminal, operations building, and maintenance building. Prior to the start of field construction, the site was excavated various grades below sea level. Approximately 1,050 steel cylinder piles were installed and concreted for the support of the residuals building. Support of underground utilities will be through the use of 60-ton H-piles installed during the building construction. Additional construction activities of note involve the installation of tunnels; sitework improvements; a sitewide fire alarm system; modifications to existing pumps, appurtenant piping, and valves; architectural modifications and additions; and the coordination and interfacing of four main contractors and their subcontractors.

Wantagh State Parkway Intelligent Transportation System (ITS) Equipment, Nassau County, NY, *New York State Department of Transportation.* Level II Inspector responsible for inspecting the installation of ITS equipment and roadway lighting along the Wantagh State Parkway between the Northern State Parkway and Ocean Parkway. Inspected the installation of variable message signs, closed-circuit television (CCTV) camera highway advisory radio transmitters, transmit probe surveillance readers, antennas, and fiber-optic cable communications network to connect with Inform in Hauppauge. Also inspected extensive roadway and ramp closures and other work zone traffic-control measures, upgraded lighting requiring the addition of semi-cutoff systems, and the installation of eight cameras.

Ronkonkoma Hub Transit-Oriented Planning Study, Town of Brookhaven, Farmingville, NY. Land Use Planner responsible for acquiring data on existing conditions of 181 acre area which included GIS data from the municipality. Used ArcView GIS to depict existing conditions, existing zoning, modifications to zoning, parking and ultimately sites suitable for TOD development. As part of a team of planners and engineers, we conducted a survey of residents and business owners within the area.

Multi-site Residential Developments, Nassau and Suffolk County, NY. Project Engineer responsible for designing and inspecting the installation of on-site sanitary and drainage systems for single family residential properties. Using AutoCad Land Development Desktop the property survey showing existing conditions would be drafted. The sanitary and drainage systems would be designed as per county requirements and drafted onto the drawing to meet required setbacks.

CVS Pharmacy, Multi-site Commercial Developments, Various Locations. Project Engineer responsible for preparing feasibility studies (due diligence reports) and site plans throughout New York and New Jersey. As the preferred engineer in the Northeast US to the client, third party reviews of all other engineered plans by other firms were also conducted. The promulgation of said reports included the existing conditions of the project location, zoning assessment to depict applications required, permitting timeline to acquire approvals (e.g. variances, site plan approval, etc...), conceptual site plan using AutoCad Land Development Desktop and site construction cost estimates.

Eschbacher VHB Engineering, Surveying & Landscape Architecture, P.C. (now called Vanasse Hangen Brustlin, Inc.) Planner/Project Engineer responsible for a variety of engineering services, including:

- Preparation of feasibility studies, zoning analyses, and massing plans for developers, owners, and national retailers in Long Island, the five boroughs of New York City, and New Jersey.
- Field reconnaissance on properties to compile information for due diligence reports.
- Preparation of various municipal applications for site plans to the Health Department, Planning Commission, Planning Department, and Building Department.
- Coordination and attendance at meetings with the New York State Department of Environmental Conservation, New York City Department of Environmental Protection, New York State Department of Transportation, and others to identify project-related concerns and issues.
- Preparation of opinions of probable costs for site development projects.
- Coordination and attendance at meetings with major utility companies to obtain existing infrastructure information and availability of utilities to subject properties.
- Preparation of environmental assessment forms required by municipalities for new projects and assistance with the preparation of the Phase I environmental site assessments.
- Preparation of conceptual site plans, parking studies, and subdivision plans.
- Preparation of contracts, including budgeting and management.
- Coordination of projects with real estate representatives and construction managers of national pharmacy and fast-food chains.
- Design of sanitary and drainage plans for single-family residential properties in Nassau and Suffolk Counties.

Chronological History of Employment

Gannett Fleming – 2009-Present
Eschbacher VHB Engineering, Surveying & Landscape Architecture, P.C. (now called Vanasse Hangen Brustlin, Inc.) – 2006-2008
Stantec, Inc., Melville, NY – 2000-2005

AALEN ADHAM, ACI ICC

Assignment
Inspector with ACI ICC

Years of Experience With Firm
1

With Other Firms
10

Education
B.S. Civil Engineering, Damascus University, 1992

Professional Registrations
ACI Concrete Construction Special Inspector – No. [redacted]

ACI Concrete Field Testing Technician – Grade 1 – No. [redacted]

ICC Sprayed-Applied Fireproofing Special Inspector

Troxler Certified for Soil Nuclear Testing (2003)

Current Responsibilities

Mr. Adham has experience as both a Residential Engineer and Special Inspector on various types of heavy duty construction projects. Responsibilities at current and past projects include providing detailed reports, satisfying inspection permits requirements and performed materials testing services.

Summary of Experience

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, *NYCDDC.* Providing special inspection services under a three-year, task-order contract for Cultural, Police and Fire facilities and Libraries. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: PSAC II Office Space, Brooklyn Children's Museum, Wave Hill House, Police Academy.

Manhattanville Development, NY, *Columbia University.* Inspector responsible for inspecting erection and bolting, compiling daily field reports; keeping in close contact with the client and the project manager to ensure compliance and prompt resolution to any deviations.

Expansion and Renovation of the Jacob K. Javits Convention Center, NYC. As Field Engineer, provided inspection services for the expansion of the Javits involving a 100,000 s.f. multi-level structure to accommodate 40,000 s.f. of exhibition space and 60,000 s.f. of space reserved for registration areas, support and core functions (i.e. restrooms and food service areas) and truck court with loading docks. Contract also extends to the renovation of the exterior curtain wall, the replacement of the roof and roof-top mechanical units, and the replacement of mechanical, electrical and life safety systems.

MTA East Side Access, Manhattan Tunnels & New Grand Central Terminal Station, *MTA LIRR.* As Field Engineer, provided fire proofing and concrete inspection services for the new LIRR East Side station under Grand Central Terminal will offer new entrances, a concourse, eight tracks on four platforms lower than the existing lower-level Metro-North tracks, and a mid-level mezzanine. The new terminal will increase the number of tracks at Grand Central from 67 to 75.

L+M Development Partners – Navy Green. Responsibilities include performing reinforcement inspections, compiling field reports, documenting observations and notifying the proper parties of work progress.

SOR Testing Laboratories, Cedar Grove, NJ. Special Inspector responsible for serving as a field residential structure engineer and special inspector on a multitude of projects. Inspections performed include reinforcement inspections, concrete field testing, shotcrete, structural masonry inspections, sprayed fire resistive materials inspections, soil bearing evaluation and nuclear in place density testing, Auger drilled and pile driving monitoring as well as asphalt nuclear in place density testing.

Projects included:

- The North Bergen Connection, and the New county road route, and bridge in Secaucus, NJ from June 2001 to May 2003.
- Somerset medical center building additions and parking deck from June 2003 to December 2004 in Somerset, NJ.
- AAA Building for Mack Cali in Hamilton, NJ from January 2005 to December 2005.
- Mack Cali building office and parking Deck in Red Bank, NJ from February 2006 to April 2007.
- Parsippany Campus for Mack Cali from May 2007 to February 2008.
- Hoboken Medical center Emergency building for William Blanchard from March 2008 to November 2008.
- Genzym Bio surgical new building for Torcon in Ridgefield Park, NJ from February 2009 to May 2009.
- Embassy Suite New Hotel for Sun construction in Elizabeth, NJ from June 2009 to November 2009
- Newark stadium for EI Associates from February 2010 to June 2010
- St Joseph Hospital Critical care building and parking deck from July 2010 to present

Chronological History of Employment

Tectonic – 2013-Present
L&M Development Partners - 2011
SOR Testing Laboratories – 2011-2010

THOMAS CARTER, ACI ICC

Current Responsibilities

Mr. Carter is a Concrete/Masonry Inspector with 23 years of experience. He is responsible for performing welding and bolting inspections, providing inspection and testing services, and ensuring compliance.

Summary of Experience

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, *NYCDDC.* Responsible for performing welding and bolting inspections under citywide Controlled Inspection and Testing Laboratory Services contract. Duties include recording all finding in daily field reports and updating the client with any deficiencies found in the field. Assignments include: Wave Hill Houses, PS1 Kiosk, Jefferson Market Library, Children's Museum, PSAC II, Rod Rogers Dance Studio, and Creative Arts Center.

Special Inspection and Laboratory Testing Services SCA09-00013R [C11275], *NYCSCA.* Provided inspection and testing services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments include: Morris High School, IS137X, Bronx Coalition High School, PS70X, IS139X, PS83X, IS52X, PS 32X, etc.

Controlled Inspections and Testing Laboratory Services – Contract #20090029460, *NYCHA.* Providing controlled inspection and testing laboratory services under a three-year, $3M contract for the rehabilitation of Housing Authority properties throughout NYC. Assignments include: Murphy Houses, South Jamaica Houses, Armstrong Houses I & II and Woodside Houses.

World Trade Center – Tower 4, Manhattan, NY, *Silverstein Properties.* Inspector for this project where Tectonic is performing controlled inspections and testing during the construction of World Trade Center Tower 4. Providing field inspection and testing of concrete, masonry, structural steel, fireproofing and firestopping, etc.

Manhattanville Development, New York City NY, *Columbia University.* Inspector responsible for inspecting erection and bolting, compiling daily field reports; keeping in close contact with the client and the project manager to ensure compliance and prompt resolution to any deviations.

Assignment
Inspector with ACI ICC

Years of Experience With Firm
2

With Other Firms
21

Education
Monterey Peninsula College, Monterey, CA

Professional Registrations
ICC Structural Welding Special Inspector – No. [redacted]

Structural Steel & Bolting Special Inspector – No. [redacted]

Reinforced Concrete Special Inspector – No. [redacted]

Pre-stressed Concrete Special Inspector – No. [redacted]

Structural Masonry Special Inspector – No. [redacted]

Spray Applied Fireproofing Special Inspector – No. [redacted]

Master of Special Inspection – No. [redacted]

Commercial Building Inspector- No. [redacted]

Residential Building Inspector – No. [redacted]

ACI Concrete Field Testing Technician – Grade I – No. [redacted]

Law School Dorm, New York City, NY, *Fordham University.* Inspector for this project where Tectonic is providing construction inspection services for the $250M new 460,000 GSF Law School and Dormitory at the Lincoln Center Campus of Fordham University. Responsibilities include inspection of concrete, steel and masonry.

Jacob K. Javits Convention Center, *Empire Development.* Inspector responsible for providing inspection services for the expansion and renovation of the Jacob K. Javits Center. Responsible for testing and inspections on all aspects of the project.

314 West 54th Street, New York City, NY, *AFG Construction.* Inspector whose responsibilities include performing welding and shop inspections and documenting all findings to notify the client and the Project Manager of any delinquencies.

Soils Consultants Inc. Charleston, SC. Structural Steel Bolting and Welding Special Inspector whose responsibilities included performing Special Inspections as required at the Boeing 787 Dream Liner Final Assembly Plant being built in North Charleston, SC.

Accura Engineering, Atlanta, GA. Senior Special Inspector whose responsibilities included performing Special Inspections as required at the paint shop and in the field for the High Performance Paint Coatings on the curtain wall for the new International Terminal project at the Atlanta Airport. (2009 – 2010)

United Consulting Group, Norcross, GA. Senior Special Inspector whose responsibilities included performing Special Inspections as required by the International Building Code on residential, commercial institutional building projects, primarily concentrating on the structural compliance verification.

Smith Emery Co., Hunters Point, SF, CA. Senior Special Inspector whose responsibilities included performing Special Inspections as required by the Uniform Building Code on residential, commercial institutional building projects, primarily concentrating on the structural compliance verification.

Carter Johnson Construction Company. Owner whose responsibilities included performing major residential and commercial renovation projects. Most involved room additions, bathrooms and kitchens. Mr. Carter was directly involved with all of the trades from planning to completion.

Chronological History of Employment

Tectonic Engineering & Surveying Consultants, P.C. – 2012-2014
Soils Consultants Inc. - 2010
Accura Engineering – 2009-2010
United Consulting Group – 2003-2009
Smith Emery Co. – 1989-2003
Carter Johnson Construction Company – 1996-2002

HARENDRAKUMAR SHARMA

Current Responsibilities

Mr. Sharma is an Inspector whose responsibilities performing technical inspection and plant/equipment evaluation services for concrete plants and related materials; Check for quality assurance conditions of concrete mixing trucks, moisture content (ASTM-94) scale calibration and perform field sieve analysis. Also performed inspections involving masonry, soils, asphalt, fire stopping, fire proofing, and curtain wall. Performed HMA Quality Control sampling and testing as per NJDOT MM5.16.

Assignment
Inspectors with ACI ICC

Years of Experience With Firm
4

With Other Firms
24

Education
B.S., Civil Engineering, Tech. Board, Gujarat, India, 1984

M.S., Civil Engineering, University of India, 1995

Professional Registrations
ACI Concrete Construction Special Inspector – No. [redacted]

ACI Concrete Field Testing Technician Grade I – No. [redacted]

ICC Spray-Applied Fire Proofing Special Inspector

License No.: [redacted]

NICET Level I, Asphalt: No. [redacted]

Summary of Experience

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_1R, #RQ_A&E_2R, #RQ_A&E_3R, Various Locations in NY, *NYCDDC.* Inspector responsible for performing concrete field testing, soil, masonry, and firestopping inspections for various locations, including libraries, fire houses and health centers under three consecutive citywide Special Inspections and Materials Testing Laboratory Services contracts. Various NYCDDC Assignments Include: Kings County Court House, The Dwight School, New Kensington Branch Library, Stapleton Branch Library, Park Slope Library, PSAC II, Choicirciati Cultural Center Renovations, EC63 Expansion and Renovations, Allerton Library, Staten Island Museum, MOMA PS1 and Kingsbridge Library, Riverside Health Center and Ocean Breeze Park.

Controlled Inspections and Materials Testing Laboratory Services, New York City, NY, *NYCDDC.* Inspector responsible for providing masonry units and fire stopping construction inspection services for a $2 million contract at city-owned facilities across the five boroughs for a term of three years with the New York City Department of Design and Construction. Assignments included: Fort Hamilton, Central park Police Precinct, Jamaica District Health Center, Queens Museum of art Expansion, Queensborough Public Library, Bronx EAU Family Intake Center.

Contract No. 47580001 – Retainer Contract for Inspection Services at Various Locations, New York City, NY, *NYCEDC.* Inspector for responsible for providing On-Call construction inspection services at various locations throughout NYC. Providing necessary construction inspections of materials and installation to ensure work conforms to contract documents and the NYC Building Code. Assignments include: The Highline M&O Facility, HHC, Long Term Acute Care Hospital, and HHC Skilled Nursing Facility.

Expansion and Renovation of the Jacob K. Javits Convention Center, New York City, NY. Inspector responsible for providing inspection services for the expansion of the Javits involving a 100,000 s.f. multi-level structure to accommodate 40,000 s.f. of exhibition space and 60,000 s.f. of space reserved for registration areas, support and core functions (i.e. restrooms and food service areas) and truck court with

loading docks. Contract also extends to the renovation of the exterior curtain wall, the replacement of the roof and roof-top mechanical units, and the replacement of mechanical, electrical and life safety systems.

World Trade Center, Tower 4, Manhattan, NY. Inspector responsible for performing fireproofing inspections at the WTC site in lower Manhattan for the construction of Tower 4, a 64-floor superstructure with a total footprint of 1,800,000 sq ft.

Special Inspection and Laboratory Testing Services SCA09-00013R [Contract# C11275], *NYCSCA.* Inspector responsible for providing inspection and testing services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments include: PS70X, PS154, IS184X, John F. Kennedy, PS IS177X, PS48 and PS44.

Public Schools Term Contract SCA 06-00055R [Contract# C10237], New York City, NY, *NYCSCA.* Inspector responsible for providing inspection and testing services to ensure compliance with construction plans, specifications and building code requirements for various schools across the boroughs of Manhattan, Queens and the Bronx. Scope of work includes concrete, asphalt, soils, masonry, and fireproofing inspections. Certain assignments involve supervising the demolition of existing school buildings and construction of new buildings replete with classrooms, auditoriums, gymnasiums, cafeterias, administration offices, cellars, etc. Assignments included: Battery Park School and Broadway Education Campus.

Construction Material Testing, New York City, NY, *MTA Bridges and Tunnels.* Performed asphalt batch plant inspections. Responsibilities included verification of aggregate sources and sizes, and checking of calibration certificates of the scales. In addition, performed random truck testing to ensure that the mix being shipped is at correct temperature. Also performed hot bin analysis, and determined the density of the HMA specimens.

Testwell Laboratories, Inc. NJ. Inspector/Field Engineer whose duties involved the testing and inspection of soils, concrete, masonry and asphalt. Testing was performed in accordance with ASTM, ACI, local building codes and project specifications. Many projects involved the following tasks:

- Asphalt plant inspections
- Asphalt field inspections
- Soil testing
- Insitu density testing
- Backfill monitoring
- Subgrade
- Procter test
- Box shear test
- Relative density test
- Permeability test

Chronological History of Employment

Tectonic – 2009-Present
Testwell Laboratories, Inc. – 2002-2009
Gujarat Engineering Research Institute, India – 1986 – 1999
Dhrangadhra Municipality, India – 1985-1986
Dharangadhra Chemical Works Pvt. Ltd., India – 1985

CARLOS JIMENEZ, ACI ICC

Assignment
Inspector with ACI ICC

Years of Experience With Firm
5

With Other Firms
20

Education
B.S. in Civil Engineering, University of Medellin, 1990

Financial Specialist, University of Medellin, 1999

Professional Registrations
ACI Concrete Construction Special Inspector – No. [redacted]

ACI Concrete Field Testing Technician-Grade I – No. [redacted]

ICC Structural Masonry Special Inspector – No. [redacted]

Current Responsibilities

Mr. Jimenez is experienced in fire stopping, masonry, curtain wall inspections, concrete structure, soils, materials, geology and road surfacing. Mr. Jimenez also has supervisory experience in the construction industry.

Summary of Experience

Controlled Inspections and Testing, *NYCHA.* Inspector whose responsibilities include performing masonry inspections to ensure specification compliance as well as NYC BC adherence. Compiled a daily field report to document findings, and alerted appropriate parties of any deficiencies. Assignments include: Armstrong Houses I & II, Woodise Houses, South Jamaica Houses.

NYCDDC Special Inspections and Materials Testing Laboratory Services #RQ_A&E_3R, New York City, NY, *NYCDDC.* Inspector responsible for providing special inspection services under a three-year, task-order contract for Health, Human Services and Transportation facilities. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: Riverside Health Center, Tavern on the Green and Harper St. Asphalt Plant.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, New York City, NY, *NYCDDC.* Inspector responsible for providing special inspection services under a three-year, task-order contract for Cultural, Police and Fire facilities and Libraries. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: Various Libraries, Queens Botanical Garden, Studio Museum in Harlem, Brooklyn Historic Society, PS1, etc.

10237/10601/11275 Testing Laboratory and Inspection Services, New York City, NY, *NYCSCA.* Construction Inspector whose responsibilities included performing masonry, fire stopping and reinforcement/concrete inspections under NYC School Construction Authority contracts. Responsible for conducting on-site inspections and quality control testing of soils as well. Recorded all findings daily, reported to the SCA Project Officers and PMs.

Term Agreement for Construction Inspection and Materials Testing Services, *DASNY.* Inspector responsible for providing construction inspection services on a multi-year Term Agreement contract for various State Facilities. Assignments include: Jacobi Medical Center, Harlem Hospital, Stony Brook Roosevelt/Kelly Quad.

Controlled Inspection and Testing Laboratory Services, Queens, NY, *NYCDDC.* Inspector responsible for performing concrete field and masonry inspections under citywide Controlled Inspection and Testing Laboratory Services contract.

Arthur Kill Correctional Facility, *NYSOGS.* TSS responsible for conducting soil inspections; reported all findings to involved parties. Maintained a daily log of activities.

Center of Laboratories, University of Medellin, Colombia. Chief Engineer for the Center, which consisted of 16 laboratories (soils, concrete, materials, geology, road surface & more). Supervised and improved the practices and methods of conducting tests. Instructed new employees and maintained specification compliance.

Sossa Engineers and INCIL Ltd. Resident Engineer responsible for supervising all aspects of construction on various public and private structures (churches, schools, etc) and performing various construction inspections such as masonry, concrete, soils, fire stopping and fire proofing. Activities covered include pile driving of new buildings as well as renovation/expansion of existing buildings. Supervised other employees and assured specification compliance.

Chronological History of Employment

Tectonic – 2009-Present
Ashland Maintenance Corp. – 2000-2007
Center of Laboratories – 1996-2000
Sossa Engineers and INCIL Ltd. – 1990-1996

MUHAMMED S. NISSAN, ACI ICC

Assignment
Inspectors with ACI ICC

Years of Experience With Firm
4

With Other Firms
4

Education
B.S., Civil Engineering, Bangladesh, 2003

Computer Science Certificate-, Bangladesh, 2002

Professional Registrations
ICC Masonry Special Inspector – No. [redacted]

ACI Concrete Construction Special Inspector – No. [redacted]

ACI Concrete Field Testing Technician – Grade I – No. [redacted]

ACI Aggregate Testing Tech- Level 1 - No. [redacted]

ACI Concrete Laboratory Testing Tech- Level 1 – No. [redacted]

ACI Concrete Strength Testing Tech – No. [redacted]

Current Responsibilities

Mr. Nissan is a Concrete/Masonry Inspector whose responsibilities include performing technical inspection and plant/equipment evaluation services for concrete/ballast/asphalt plants and related materials; checking for quality assurance conditions of concrete mixing trucks, moisture content (ASTM-94) scale calibration and performing field sieve analysis. Inspects masonry, curtain wall, fireproofing and fire stopping work performed, and pile driving work.

Summary of Experience

Contract C-34590, Concrete Batch Plant Inspections , Various Locations, *NYCT.* Responsibilities include performing technical inspection and plant/equipment evaluation services for concrete/ballast/asphalt plants and related materials; Check for quality assurance conditions of concrete mixing trucks, moisture content (ASTM-94) scale calibration and perform field sieve analysis.

Controlled Inspection and Testing Laboratory Service Contract, Queens, NY, *NYCDDC.* Performed inspections masonry units and fire stopping under citywide Controlled Inspection And Testing Laboratory Services contract.

Ready Mix Concrete. Quality Controller responsible for performing moisture tests for sand and light weight aggregates, gradation of stone, concrete mix design, trial batching as per mix design, making cylinders, curing and crushing, slump tests, and other field and batch plant related concrete work.

Holcim Ltd. Senior Executive who studied and performed inspections for concrete, masonry, asphalt/pile driving, fireproofing and fire stopping, and provided technical support to clients. Reported all findings and deficiencies to clients.

GBB Ltd. Plant Manager responsible for performing trial mix design of regular concrete, high-grade concrete, pump concrete and early strength gaining concrete. After retrieving concrete samples, also responsible for testing the cylinders in a laboratory environment. Also responsible for the operation and maintenance of the transit mixtures, concrete pumps, loaders, tower cranes, etc. Inspected asphalt, pile driving, soils/compaction and subgrade.

Chronological History of Employment

Tectonic – 2010-Present
Ready Mix Concrete – 2007-2008
Holcim Ltd. – 2007
GBB Ltd. – 2004-2007
Advanced Development Technologies Ltd. – 2003-2004

ALBERT AGOSTO, ACI ICC, CWI

Assignment
Inspector with ACI ICC and ICC SS & Bolting Certification

Years of Experience With Firm
3.5

With Other Firms
33.5

Education
Completed 625 Hrs in Welding Tech., Apex Technical School, 1980

Completed Courses in Non-Destructive Testing (PT, MT, RT, UT), Kean College of New Jersey, 1980

Professional Registrations
CWI - American Welding Society – No. [redacted]

ICC Structural Steel & Bolting Special Inspector – No. [redacted]

ACI Associate Concrete Construction – No. [redacted]

ACI Concrete Field Testing Technician Grade I – No. [redacted]

Level II - Welding/Mechanical/Elec./I&C (ANSI N45, 2, 6)

Level II - VT-PT/VT 1,2,3,4 (ANST/ASME XI)

Current Responsibilities

Mr. Agosto has 35 years of experience in testing, welding, mechanical and civil work. He was responsible for inspecting and training inspectors in proper protocol for welding inspections. During his career, Mr. Agosto has experience performing numerous inspections, such as concrete, welds, bolts, curtain walls, piles, structural steel, shop work, high-pressure pipes, fire stopping, and bore piping.

Summary of Experience

Controlled Inspections and Materials Testing Laboratory Services, *NYCDDC.* Provided construction inspection services for a $2M contract at city-owned facilities across the five boroughs for a term of three years with the New York City Department of Design and Construction. Assignments included: Central Park Police Precinct, Queens Public Library, Glen Oaks Library, and Fort Hamilton Army Plaza.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_3R, *NYCDDC.* Inspector responsible for providing special inspection services for a three-year, task-order for Health, Human Services and Transportation facilities. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: Riverside Health Center, City Hall Renovation, Pamoja House Shelter and Keller Street Hotel.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, *NYCDDC.* Inspector responsible for providing special inspection services under a three-year, task-order contract for Cultural, Police and Fire facilities and Libraries. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: New Kensington Branch Library, EMS 27, Mind Builders Creative Arts Center, Park Slope Library, Greenpoint EMS, PSAC II Office Space, FDNY Manhattan, Allerton Library, MOMA PS1, Zerega Avenue EMS.

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_1R, *NYCDDC.* Inspector responsible for providing special inspection services under a three-year, task-order contract for Correctional, Courts, DEP, and Juvenile Justice Facilities. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments included: Kings County Courthouse, Police Academy and 121st Police Precinct.

No. 7 Line Extension: Contract C-26503 Construction of Running Tunnels, C-26510 Site J Vent Bldg. & C-26505 Install Systems & Finishes, *MTA/NYCT.* Tectonic is providing geotechnical and special inspection services for the $1.1 Billion construction of the No. 7 Line running tunnels, Site A Vent Building, Site J Vent Building and furnishing and installing systems and finishes for the new expansion. The project involves the construction of 7,000FT of two 22FT diameter running tunnels, and the construction of two new subway stations at Tenth Avenue/41st Street and 34th Street/11th Avenue near the Hudson Yard on the West Side of Manhattan. Construction of the new running tunnels and station involves extensive rock excavation using conventional drill and blast methods and tunnel boring machines (TBM's) to carve out the caverns to accommodate the new station. Ancillary work involves the installation of drilled shafts, rock anchors, rock bolts and shotcrete to support the excavated faces. Other aspects of the work includes complete above and below grade construction of the Sites A & J Vent Buildings and installation of all the systems and finishes including trackwork and signalization, escalators, elevators, etc.

Contract No. 47580001 – Retainer Contract for Inspection Services at Various Locations throughout NYC, *NYCEDC.* Provided On-Call construction inspection services at various locations throughout NYC. Provided necessary construction inspections of materials and installation to ensure work conforms to contract documents and the NYC Building Code. Assignments included: The Highline M&O Facility and Skilled Nursing Facility.

World Trade Center, Tower 4, Manhattan, NY. Inspector currently performing steel inspections at the WTC site in lower Manhattan for the construction of Tower 4, a 64-floor superstructure with a total footprint of 1,800,000 sq ft.

Special Inspection and Laboratory Testing Services SCA09-00013R [C11275], *NYCSCA.* Provided inspection and testing services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments include: JHS141X, PS76X, PS182X, PS11X and Roosevelt High School.

Public Schools Term Contract SCA 06-00055R [Contract#C10237], *NYCSCA.* Inspector responsible for providing inspection and testing services to ensure compliance with construction plans, specifications and building code requirements for various schools across the boroughs of Manhattan, Queens and the Bronx. Scope of work includes concrete, structural steel, asphalt, soils, masonry, curtain wall and mechanical inspections. Certain assignments involve supervising the demolition of existing school buildings and construction of new buildings replete with classrooms, auditoriums, gymnasiums, cafeterias, administration offices, cellars, etc. Assignments included: Battery Park School and Broadway Education Campus.

Various Projects, Various Locations Throughout the Five Boroughs, NY, *NYCSCA.* Inspector responsible for conducting masonry and concrete inspections. Working towards project completion. Reported all finding on a daily basis and reported all findings back to the client. Assignments include: Armstrong Houses I&II, Drew Hamilton Houses, Middletown Plaza, Ocean Hill Houses, Soundview Houses, Strauss Houses, Tapscott Houses and Woodside Houses.

Chronological History of Employment

Tectonic – 2011-Present
Civil Engineering Technician/Inspector – 2007/2009
Director, Structural Steel Department – 2002-2006
Manager, Structural Steel Department – 1998-2002

KWESI AMEGAH

Assignment
Inspector with ACI ICC

Years of Experience With Firm
< 1

With Other Firms
29

Education
B.S., Civil Engineering, University of Michigan College of Engineering, 1985

Professional Registrations
ACI Field Testing Technician-Grade I

ACI Concrete Construction Special Inspector (CCSI)

Current Responsibilities

Mr. Amegah is a Senior Construction Inspector for KS Engineers in New Jersey and New York. He provides construction inspection and bridge inspections, including completion of various in-depth inspection programs in the New York metropolitan area. He also has experience in civil design, including roadway replacements involving drainage, sewers, utilities, curbs, and sidewalks. In addition, his structural experience includes the removal, replacement, and reinforcement of steel and concrete bridge elements.

Summary of Experience

Construction Management Services, NY Marine Terminal, Howland Hook & Teterboro Airport, PIDS, NY and NJ, *PANYNJ.* Senior Inspector responsible for building demolition at Howland Hook, Staten Island contractor oversight as part of work at NYMT. Mr. Amegah is participating in the testing phase and inspection of the perimeter intrusion detection system, fencing sensors and radar system both day and night at PANYNJ Airport. Also supervised the assembly of large erosion mats made of concrete sections encased in geotextile material being fabricated in Bayonne for future relocation and installation.

Route I-495 Mill & Fill Exit 57 to 64, Towns of Brookhaven & Islip & Village of Islandia, Long Island, NY, *NYSDOT.* Senior Inspector providing inspection and other related services for 19.9 million dollar project involving grinding existing asphaltic concrete wearing concourse and repaving. Inspection services also include site maintenance and safety protection.

Resident Engineering Inspection Services for HWCR08B, Citywide Milling Project Involving Grinding Existing Asphaltic Concrete Wearing Course, Manhattan and the Bronx, NY , *NYC Dept. of Design & Construction.* Inspector responsible for this $7 million project, providing inspection and other related services for projects involving grinding existing asphaltic concrete wearing concourse at various locations on an as-needed basis. Some issues that involve inspection services include site maintenance and safety, protect tree from construction debris, milling two inches of existing asphalt, smaller milling machine was used to grind asphalt in hard to reach places such as around catch basin or corner of a curb and a sweeper was used behind milling machine to clean up the debris. Tasks include all services necessary and required for the inspection, management and administration of this project, for the required construction work to be properly executed, completed on time and conforms to the plans, specifications and requirements of the construction contract.

Resident Engineering Inspection Services for HW2CR08B, Grinding and Milling of Various Streets in the Borough of Manhattan, NY, *NYC Dept. of Design & Construction.* Senior Inspector responsibilities included inspection of milling of roadway pavement resurfacing in the borough of Manhattan for NYCDDC. Responsible for managing inspection staff, reviewing and approving field changes, resolving any construction problems, claims and disputes, supervision of contractor's work, processing of contractor's monthly payments, coordinated with the various community boards, NYCDDC and other related agencies.

Construction Inspection Services for I-84 Widening between Waterbury and Cheshire, CT, *Connecticut Dept. of Transportation.* Senior Inspector provided inspection services for the widening of Interstate 84 between Waterbury and Cheshire, CT. Responsible for inspection of reinforced concrete pipes and the inspection of modifications made to existing interstate bridges. Also responsible for the investigation of catch basins.

Resident Engineering Inspection Services for Richmond Road, New York, NY, *NYC Dept. of Design & Construction.* Senior Inspector provided field inspection and preparation of daily reports for the installation of sewers, water main, and roadway replacement for this roadway in Staten Island, NY. The scope of work included the installation of a new 72-inch trunk main in Richmond Road between Narrows Road and Duzer Street and in Vanderbilt Avenue between Van Duzer Street and Tompkins Avenue. A new 60-inch water main was also installed in Swan Street between Van Duzer Street and Bay Street.

Construction Inspection for Capital Reconstruction Projects, *NYC Dept. of Design & Construction.* Senior Inspector responsible for NYCDDC capital reconstruction projects, including replacement of major roadways in Brooklyn and Queens and associated drainage, sewer, utilities, curbs, and sidewalks.

Rehabilitation of Inwood Hill Park Pedestrian Bridge New York, NY, *NYC Dept. of Transportation.* Senior Inspector Providing inspection services for the rehabilitation of bridge components including partial reconstruction of pedestals, repairs to bottom of staircase stringer, removal and replacement of landing plate, partial removal and replacement of deck, field cleaning and painting of staircase. Construction Management & Inspection Services for Cleaning and Painting of the Harlem River Lift Span and Approach Spans (PSC-06-2802), Harlem and Citywide, NY – Triborough Bridge and Tunnel Authority

Chronological History of Employment

KS Engineers, P.C. – 2014 - Present
Gandhi Engineering, Inc. – 2011 - 2014
Entech Engineering – 2010
KS Engineers, P.C. – 2009 - 2010
Munoz Engineering – 2006 - 2008
STV, Inc. – 2004 - 2006
Desimone Consulting Engineers – 2003 - 2004
HAKS Engineers – 2001 - 2002
Massand Engineering – 1999 - 2000
NYC Department of Buildings – 1988 - 1999
NYC Department of Transportation – 1985 - 1988

ZORY DERESH

Assignment
Inspector with ACI ICC

Years of Experience With Firm
< 1

With Other Firms
33

Education
M.S./Civil/Structural Engineering, Polytechnic Institute, Tbilisi, Republic of Georgia

Professional Registrations
ACI Concrete Construction Special Inspector Certification

Concrete Field Testing. ACI Certification.

Current Responsibilities

Mr. Amegah is a Construction Inspector for KS Engineers in New Jersey and New York. He provides services in civil and structural engineering, as well as construction inspection and management/ oversight.

Summary of Experience

Tectonic Engineering & Surveying Consultants. Construction Special Inspector. Responsible for comprehensive site inspection, including reinforcing steel, fire stopping, fire resistance rated construction and fireproofing.

Long Island Materials Testing Lab, College Point, NY. Senior Civil-Structural Construction Inspection Engineer. Duties included identification of structural integrity problems in buildings under construction, and working with blueprints and specifications. Responsible for comprehensive site inspection, including reinforcing steel, fire stopping, fireproofing, welding, high strength bolts, decking, roofing, masonry, ultrasonic testing of welding, structural steel fabrication, and inspecting concrete at the batch plant and in the field. Performed follow-up audits of corrective actions. Prepared engineering inspection and weekly progress reports. Experienced in inspection of federal, state, city, and commercial projects. Gained extensive knowledge of construction codes and regulations.

City Construction Corporation, Tbilisi, Republic of Georgia. Civil Construction Engineer-Superintendent. Specialized in residential and commercial construction: apartment and office buildings, schools, hospitals, and industrial plants. Managed all phases of construction from excavation to commissioning of the building. Scheduled and coordinated work with subcontractors. Responsible for the quality and completion of work according to the time schedule.

TD Construction Corp., Tbilisi, Republic of Georgia. Assistant Superintendent. Responsibilities included repair and reconstruction of industrial and civil buildings, and supervision of excavations for building foundations. Estimated materials and labor costs. Controlled and enforced compliance with safety regulations.

Chronological History of Employment

KS Engineers, P.C. – 7/2014 - Present
Tectonic Engineering & Surveying Consultants – 2012 - 2014
Long Island Materials Testing Lab – 1981 - 2012

FRED KOOMSON

Assignment
Inspector with ACI ICC

Years of Experience With Firm
6

With Other Firms
29

Education
Associates Degree City and Guilds of London Institute - Certificate of Civil Engineering

Professional Registrations
ACI Concrete Construction Special Inspector (CCSI)

Current Responsibilities

Mr. Koomson is a Civil Inspector for KS Engineers in New Jersey and New York. His responsibilities include performing bridge inspection, roadway inspection for milling, paving with concrete and asphalt, reconstruction, drainage, sewer and water main installation. He provides construction oversight to ensure that project schedules and specifications are adhered to, and keeps daily logs.

Summary of Experience

New Jersey Marine Terminal Construction, *PANYNJ.* Civil Inspector monitoring activities at Marine Terminal construction sites. Work includes installation, testing and inspecting Civil works. Provides oversight to ensure construction progresses as scheduled and contract specifications are adhered to. Prioritizes multiple assignments, maintain deadlines, and works in a team environment. Inspects construction site daily and works with contractors to schedule deliveries, follow safety requirements, adhere to quality and code compliance; files daily narratives and progress reports detailing personnel, equipment, materials and work summary. Mr. Koomson provided construction inspection on the following individual projects under this assignment:

- **Multi-Facilities Projects (MFP)** at Port Newark & Port Elizabeth covering change order work covering involving roadway, ports and terminals, etc.
- **Port Elizabeth** – North Ave/McLester St. Curve Realignment – work consisted of roadway realignment, including paving, utilities, traffic controls, overhead signage, caissons, storm water treatment units and related work.
- **Port Elizabeth Expressrail,** Elizabeth Lead Tracks & South Bay Avenue - work consisted of construction of second lead track into Expressrail, reconstruction of existing lead track, construction of rail bridge over McLester St., reconstruction of Bay Ave., construction of new South Bay Ave. roadway, utility and other related work.
- **Port Newark** – Berth 8 & Berth 10 Wharf Reconstruction - work consisted of demolition of existing wharf, dredging and berth deepening, steel pile & steel sheet piling installation, installation of gabion walls, concrete deck reconstruction, paving & utilities.
- **Port Newark** – Port Street Interim Traffic Improvements - work consisted of removal of concrete islands and traffic controls; installation of guiderails, traffic barriers, signage, pavement markings and electrified traffic control devices at Port Street and vicinity.
- **Port Newark** – Berths 36 & 63 Wharf Reconstruction - work consisted of removal and disposal of existing wharf, dredging, upland disposal of dredged materials, steel pipe piles, sheet piles and other marine construction, paving, utilities and related work.
- **Immediate Repairs, Berths 10–12 -** repair of concrete encased piles.
- **Immediate Marine Rehabilitation,** repair of concrete encased piles.
- **Concrete Roadway Rehabilitation** – Repairs to North Avenue Bridge & Corbin Street Ramp; work included removal of deteriorated concrete and placement of new concrete and Latex Modified Concrete.
- **Immediate Repairs - Corbin Street** – excavated deteriorated concrete and replaced with Latex Modified Concrete (LMC). (05/08 – Present)

HWK614B1, Reconstruction of Bergen Avenue Area in Brooklyn, *NYCDDC.* A $27.7 million project for NYC DDC. The work includes the installation of sidewalks, roadway, center mall, storm and sanitary sewers and the complete street and sidewalk reconstruction within approximately 16 residential blocks just west of Paerdegat Basin. The storm sewers were built on piles while most of the sanitary sewers were placed on the same lane as the existing sewers that was removed.

Contract MED-579/Abandonment of Existing High Pressure Fire System in Lower Manhattan, *NYCDDC.* – responsible for the inspection of the removal of hydrants, hydrant valve boxes and main line valve boxes. Inspection of concrete and asphalt restoration, surveys and does the preparation of Punch list for the final inspection. Also, he does testing and inspection of the concrete (Slump test, Air test, Temperature), plus the inspection, and MPT.

Installation of Sewers in Linwood Avenue, Staten Island, NY, *NYCDEP.* Project No. SE-247A/SER002155. This project involved installation of 12" ESVP gravity sewers and 5'6" x4" concrete box culvert sewers. His duties include record keeping, project status/completion reports, documentation supporting contract payments, balance of materials, fixed assets reports, field cards, in-service notification and change orders.

New Jersey Turnpike between Interchange 8 and 13 Linden City, Union County, *NJTA.* Senior Construction Inspector for the widening project.

Victory Boulevard Sewer Project, Staten Island, NY (SE208A/362A). This project included installation of gravity sewers, utility crossing and pavements and sidewalk restoration.

Staten Island Water Main Project (RED-328), *NYCDEP, Bureau of Water Supply and Wastewater Collection.* The Contract includes the installation of 26,000 linear feet of 48 inch truck water main and 10 inch and 12 inch sanitary and storm sewers, pipe jacking, utility crossings, valve and regulator chambers, blow-off and air release manholes, and large scale MPT.

Chronological History of Employment

KS Engineers, P.C. – 2008 - Present
Site-Blauvelt Engineers – 1992 - 2008
Port Authority of New York & New Jersey – 1983 - 1992
Flaherty Giavara Associates – 1979 - 1983

ROCHELLE LANCEY

Assignment
Inspector with ICC SS and Bolting

Years of Experience With Firm
< 1

With Other Firms
28

Education
City College School of Architecture, New York, NY (143 Credits)

Hunter College, New York, NY (transferred 1st year credits to City College)

Professional Registrations
ICC Structural Steel & Bolting Inspector: No. [redacted]

Current Responsibilities

Ms. Lancey is a Structural Engineering Construction Inspector for KS Engineers in New Jersey and New York. She provides inspection services ranging from heavy/highway construction inspection to subdivision/land development construction surveillance and escrow contract monitoring. Her experience includes engineering design, inspection, field surveying, quantity computations, bidding and contract ratification, construction surveillance, construction materials testing, review of subdivision and land development plans, developing specifications of municipal projects for local government clients as well as private clients.

Summary of Experience

WTC Towers 1, 3 & 4, *PANYNJ.* Senior Inspector. From Jan 2, 2008 to March 31, 2008, she was assigned to WTC Tower 1:

- Foundation, footings and concrete columns were being completed, and the work in basement levels Zone B, B3, and elevator core had begun. Observed the excavation into rock, rebar and concrete installation of footings, foundations and slurry liner wall. Discussed current issues with the contractors, consulting engineers MRCE and Cantor, and PA surveyors, and prepared a Daily Narrative for the PA records reporting the progress of the work with reference to contract drawings and specifications.
- Ms. Lancey also attended pre-construction meetings for Tower 3 and general WTC coordination meetings. I reviewed and made comments on submittals, and payments as requested.

From April 1, 2008 to Dec 2008, assigned to WTC Towers 3, 4, 7

- In the field, the contract for the construction was just commencing on Towers 3 & 4. She observed and reported on blasting operations, excavation to grade, and subsequent concrete and rebar installations for footings, slabs and shear walls. She also monitored rock anchor and caisson drilling, installation and testing. She represented the RE on incidents of an environmental nature, such as fuel spills, and coordinated with PA staff to improve site safety.
- At Tower 7, the office was performing final sign-off for Certificate of Occupancy for mechanical and electrical installations. Ms. Lancey participated in routine progress inspections, and punch list walk-through of completed work.
- In the office, continued duties in reviewing of shop drawings, including crane and stair towers, as directed. Also reviewed Tishman's daily reports for accuracy. Participated in meetings prior to and during blasting operations.

From 12/09 to 5/10-Inspector on WTC Tower 1 under the direction of Port Authority RE Christopher Hart.

- Field duties included observation and reporting on contract work. Initially, reported on civil; mechanical and electrical progress. As staff increased, she concentrated on the civil work. Daily Reports included details of concrete installations for the core and slabs, masonry walls, and steel structure. Worked in cooperation with PA Materials inspectors, PA Safety personnel, Cantor Structural Engineers, Tishman, and various contractors on behalf of the RE.

Prepared a daily report on Safety Observations, which was forwarded to Tishman and Hart. Coordinated inspection of architectural finishes with Tishman, prepared punch list and sign-off. This included exposed concrete wall finishes, curtain wall, woodwork, and flooring.

Construction Project Manager/Resident Engineer. *NYCDDC.*

- Project Manager for government projects in a variety of settings, including: firehouses, police and fire facilities, schools and community centers.
- Manage projects and budgets ranging from $1-15M
- Review design documents, shop drawings and specifications for accuracy and completion.
- Coordinate all work performed by Agency and Consultant architects, engineers, surveyors, and testing services.
- Supervised field installations for mechanical, electrical, and plumbing in addition to general construction for prime and sub-contracts.
- Coordinate and conduct progress meetings, maintain work schedules, approved detailed estimates and payments.
- Drafted, negotiate and authorize change order requests. Prepared punch list.
- Liaison between client, consultants, and various government agencies
- Ensure deadlines are met and projects are within budget
- Generate reports and correspondence for project tracking
- Experience in Lump Sum, Unit Price, Job Order Contracting, and Time and Material contracts.

A few of her projects included NYPD Property Clerk Storehouse-Interior and exterior restoration, auxiliary power, lighting and security system; NYPD CRS-Rooftop parking replacement, skylights; Maspeth Town Hall-Historic interior and exterior restoration, windows, underground drainage, landscaping and playgrounds, new electric service, lighting, HVAC, sprinkler and security system; Montessori Learning Center-New roof and rooftop playground, interior upgrade and HVAC; and Kingsbay Senior Center-New kitchen, new electric service and lighting, interior upgrade, HVAC.

Chronological History of Employment

KS Engineers, P.C. – 2014 - Present
D&B Engineers and Architects PC – 2012 - 2014
HAKS Engineers and Land Surveyors, P.C. – 2011 - 2012
Maitra Associates P.C. – 2008 - 2010
New York City Department of Design and Construction (NYCDDC) – 1996 - 12/2007
New York City Department of General Services/Bureau of Construction (DGS/BOC) – 1986 - 1996

ROBERT J. HOLLAND

Assignment
Task Project Manager

Years of Experience With Firm
1

With Other Firms
22

Education
B.S., Civil Engineering, University of Pittsburgh, 1986

Professional Registrations
Asphalt Paving Construction Technologist: New Jersey Society of Asphalt Technologists (2011)

New Jersey Traffic Control Coordinator

Current Responsibilities

Mr. Holland is a Construction Project Manager responsible for business development; recruitment, contract initialization, administration, and maintenance; oversight of construction management and construction inspection activities and personnel; and quality assurance and improvement.

Summary of Experience

Maintenance Roadway Repair Contract South, Sub-Region S-3, Contract Number S305, Routes 30, 47, 54, and 147, NJDOT Agreement No. 2012BCM887B, Atlantic and Cape May Counties, NJ, *NJDOT.* Project Manager for this $4.1 million roadway repair contract. Project includes milling and paving of existing pavements of various routes in South Region with hot-mix asphalt intermediate and surface courses, underlying concrete and full-depth pavement repairs, concrete curb and Americans with Disabilities Act (ADA) compliant sidewalk, drainage upgrades, maintenance and protection of traffic, striping, pavement markings and reflectors, and associated activities. The project requires extensive maintenance and protection of traffic and also requires night work. Responsible for overseeing field inspection staff and coordinating with the NJDOT Resident Engineer, Field Manager, and Regional Consultant Coordinator.

U.S. Route 30 Grove Street to Brand Avenue, NJDOT Agreement No. 2012BCM887B, Haddon Heights, Lawnside, Lindenwold, and Clementon Boroughs, Camden County, NJ, *NJDOT.* Project Manager for this $4.0 million roadway repair contract. Project includes milling and paving of existing pavements of U.S. Route 30 in South Region with hot-mix asphalt intermediate and surface courses, underlying concrete and full-depth pavement repairs, concrete curb and Americans with Disabilities Act (ADA) compliant sidewalk, drainage upgrades, maintenance and protection of traffic, striping, pavement markings and reflectors, and associated activities. The project requires extensive maintenance and protection of traffic and also requires night work. Responsible for overseeing field inspection staff and coordinating with the NJDOT Resident Engineer, Field Manager, and Regional Consultant Coordinator.

Federal Highway Administration Long-Life Pavement Markings Contract, South - 2012, Routes U.S. 9, NJ 29, U.S. 30, NJ 31, U.S. 40, NJ 70, NJ 87, U.S. 130, NJ 133, NJ 138, NJ 162, NJ 171, NJ 172, U.S. 206, and U.S. 322, NJDOT Agreement No. 2012BCM887B, Federal Project No. STP-C00S(279), Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Mercer, Middlesex (South of I-287), Monmouth, Ocean, and Salem Counties, NJ, *NJDOT.* Project Manager for this $5.93 million roadway maintenance long-life pavement markings contract on multiple routes statewide. Contract work included thermoplastic and epoxy long-life pavement markings, raised reflectorized pavement markers, and all associated maintenance and protection of traffic. The project requires extensive night work. Tasks involve subcontractor approval, weekly reports, monthly estimates, Equal Employment Opportunity, payroll, and change orders. Responsible for overseeing field inspection staff and coordinating with the NJDOT Resident Engineer, Field Manager, and Regional Consultant Coordinator.

NJ Route 29 Bank Stabilization, Milepost 10.01 and Milepost 21.3, Contract No. 009114020, Ewing and Delaware Townships, Mercer and Hunterdon Counties, NJ, *NJDOT.* Field Manager (Project Manager) responsible for performing Field Manager duties for this $1.6 million bank stabilization contract. Contract included installing stone slope protection, furnishing and driving 990 LF of steel H-piles (HP12x53), resetting guide rail, and providing restoration. Responsibilities also included coordinating with various agencies, Delaware and Raritan Canal Commission, and NJDOT, making sure of compliance of materials inspections, and overseeing subcontractor approval, daily and weekly reports, safety, monthly estimates, Equal Employment Opportunity, payroll, and change orders.

NJ Route 72 Manahawkin Bay Bridge Contract 2, Bridge Construction, Contract No. 026118012, West of Garden State Parkway to Long Beach Island, Stafford Township and Ship Bottom Borough, Ocean County, NJ, *NJDOT.* Field Manager (Project Manager). Performed Field Manager duties for this $89 million contract. Contract 2 includes the construction of the following components:

- A new parallel structure over Manahawkin Bay
- Two retaining walls at bridge approaches
- Fender systems
- Bulkhead reconstruction
- Scour countermeasures
- Highway lighting, including decorative lighting on the new bridge
- Bridge approach roadways
- New storm drainage systems
- Stormwater wetlands
- Intelligent transportation system (ITS) facilities from Garden State Parkway to Long Beach Island
- Electric transmission utility cable relocations
- A parking lot, including a retaining wall

Responsibilities also included coordinating with various agencies, the New Jersey Department of Environmental Protection, and NJDOT, making sure of compliance with safety, and overseeing permits, materials inspections, subcontractor approval, daily and weekly reports, monthly estimates, Equal Employment Opportunity, payroll, and change orders.

NJ Route 72 Eastbound and Westbound Over NJ Route 9, Bridge Deck Replacement, Contract No. 023113240, Stafford Township, Ocean County, NJ, *NJDOT.* Field Manager (Project Manager) responsible for performing Field Manager duties for this $3.5 million bridge deck replacement contract. Contract included high-performance concrete bridge deck replacement including concrete parapets, sidewalk, and approaches, concrete crack repairs via pressure injections, elastomeric joint assembly repairs, epoxy waterproofing, near white blast cleaning and painting of steel structures, and Type 1 concrete spall repairs. Associated improvements included maintenance and protection of traffic, milling/hot-mix asphalt pavement placement, drainage improvements, concrete vertical curbing, stripping, temporary traffic lights, and signal. Responsibilities also included coordinating with various agencies, the New Jersey Department of Environmental Protection, Pinelands Commission, and NJDOT, making sure of compliance with safety, and overseeing permits, materials inspections, subcontractor approval, daily and weekly reports, monthly estimates, Equal Employment Opportunity, payroll, and change orders.

Chronological History of Employment

Gannett Fleming – 2013-Present
New Jersey Department of Transportation, Trenton, NJ – 1991-2013

KEVIN R. BOERNER, PE

Assignment
Task Project Manager

Years of Experience With Firm
1

With Other Firms
16

Education
B.S., Civil Engineering, New Jersey Institute of Technology, 1996

Professional Registrations:
PE: New Jersey - No. [redacted] (2001)

New Jersey Traffic Control Coordinator (2011)

ACI Concrete Field Testing Technician - Grade I (2012)

Asphalt Paving Construction Technologist: New Jersey Society of Asphalt Technologists (2013)

Current Responsibilities

Mr. Boerner is a Resident Engineer providing inspection and contract administration services. His tasks include review of payment requests, shop drawing review and coordination, project scheduling, change order reviews and negotiations, contractor request for information (RFI) reviews and coordination, and meeting attendance and coordination.

Summary of Experience

Supervision of Construction Services for Contract #P100.230, Bridge Deck Repairs and Resurfacing, MP 0 to MP 126, *NJTA.* Senior Inspector for this contract that included providing supervision of construction services and contract administration for this $5.5M contract, with scope including extensive repairs to 16 bridge superstructures and substructures. Responsibilities included coordinating with the Resident Engineer, client, contractor, and staff, and providing direct inspection of contractor's work for compliance with the contract. Work includes bearing replacements and repairs, concrete bridge deck panel replacements, bridge barrier parapets, beam guide rail and attachments, concrete deck, abutment and concrete pier spall repairs of the various types and depths, deck joint repair and replacement, membrane waterproofing, milling, HMA paving, pavement markings, delineators, and all related MPT. The project also includes extensive night work.

Bridge Painting and Structural Repair, Contract 3-C, Camden County, NJ, *PATCO.* Resident Engineer for this project which includes the construction oversight and monitoring for the repainting and structural repairs to 31 rail and motor vehicle bridges serving the PATCO Philadelphia – Lindenwold Rapid Transit Line Facility. The scope of work includes: bridge steel surface preparation and painting; structural steel repairs; preparation and sealing of exposed concrete; lead paint abatement; application of epoxy waterproofing sealcoat; bridge deck joint sealer replacement; concrete cracks/spalling and beam encasement repairs; retaining wall rehabilitation and repairs; steel sign pole support modifications; bituminous pavement repairs and surface site work; fence repairs, vegetation removal, and handrail removal and replacement. Administrative duties include review of payment requests, shop drawing review and coordination, project scheduling, change order reviews and negotiations, contractor RFI reviews and coordination, and meeting attendance.

ARRA Resurfacing Program, Essex County, NJ, *County of Essex.* Resident Engineer for this 18 mile County Roadway resurfacing project. Scope of work included milling, resurfacing and all related work, and MPT. Responsibilities included inspection of: profile milling on road surfaces, 100,000 tons of Superpave HMA paving, polymerized joint, temporary and final line striping, installation of loop strips, concrete curb and sidewalk, landscaping, grading, and seeding. Responsible for monitoring Contractor's Maintenance and Protection of Traffic. Responsible for keeping track of item quantities and daily reports. Worked on closing out project and performing the final punch list and as-built drawings.

Replacement of County Bridge No. 14 on Springfield Avenue Over the Rahway River, Township of Cranford, Cranford, NJ, *County of Union.* Resident Engineer for the demolition of the existing bridge structure and the construction of a new 85-foot single-span bridge using structural steel beams, cast-in-place concrete footings, abutments, and wingwalls. The superstructure included reinforced-concrete deck slab with stone-faced concrete parapets and cap stone. Associated improvements included roadway and bridge approach realignments, sanitary sewer siphon, multiple utility relocations and coordination, maintenance and protection of traffic, granite block curbing and sidewalk, and landscaping. The project was also subject to New Jersey Department of Environmental Protection wildlife restrictions with regard to construction activities and scheduling. Administrative duties included review of payment requests, shop drawing review and coordination, project scheduling, change order reviews and negotiations, contractor RFI reviews and coordination, and meeting attendance and coordination.

Union County ARRA Resurfacing Program, County of Union, NJ, *County of Union.* Project Manager/Resident Engineer for the county-wide resurfacing of this $7M county roadway resurfacing project within various municipalities throughout Union County. The scope of work included milling and resurfacing the roadways with 35,000 tons of Superpave HMA, installation of temporary and final line striping, resetting of all storm inlets utilizing bicycle safe grates, installation of NJDEP approved curb pieces, concrete curb and sidewalk, landscaping, grading, and seeding. Also monitored Contractor's MPT. Both nighttime and daytime paving operations occurred during the course of construction. Construction administration services included daily inspection reporting, bid quantity reviews, change order reviews and recommendations, payment reviews and recommendations, shop drawing reviews, RFI's, and project close-out. This ARRA project was one of the County's largest roadway projects and involved a major coordination effort between the County and surrounding communities.

Replacement of County Bridge No. 1400-790 on Inamere Road over the Whippany River in the Township of Morris, NJ, *County of Morris.* Resident Engineer for the project, which included the demolition of the existing bridge structure and construction of a new 50-foot single span bridge structure using pre-stressed concrete beam, cast in place footings, abutments and wing walls, along with ninety-eight steel H-piles. The superstructure included a reinforced concrete deck slab with stone faced concrete parapets and cap stone. Associated improvements included roadway and bridge approach re-aligment using NJDOT superpave hot mix asphalt; water quality drainage improvements; multiple utility (gas, electric, telephone, cable, sewer and water) relocations and coordination; maintenance and protection of traffic, guide rail; granite block curbing and sidewalk; and landscaping.

NJDOT Fiscal Year 2005 Municipal Aid, Sherbrooke Road Reconstruction, Ewing Township, NJ, *Township of Ewing.* Engineer-of-Record/Resident Engineer working as the Township Engineer-of-Record/Resident Engineer in the design of construction plans and construction oversight of 2,000 LF of Sherbrooke Road. Project elements included field survey, roadway reconstruction of hot-mix asphalt stabilized base and surface course and subgrade, maintenance and protection of traffic, curb and sidewalk improvements, and project closeout. Coordination activities involved the Township of Ewing, NJDOT, County of Mercer, and Soil Conservation District.

Chronological History of Employment

Gannett Fleming – 2013-Present
Birdsall Services Group, Eatontown, NJ – 2010-Present
CMX, Inc./Schoor DePalma, Inc., Manalapan, NJ – 2007-2010

RAYMOND D. FISCHLEIN, PE

Assignment
Task Project Manager

Years of Experience With Firm
10.5

With Other Firms
31

Education
B.S., Civil Engineering,
Lowell Technological Institute

Professional Registrations
PE: New York – No. [redacted]
(1979)

Current Responsibilities

As a Project Manager at Tectonic, Mr. Fischlein's responsibilities include technical supervision of staff, assignment of personnel, budget control, proposal preparation and client liaison, quality assurance oversight of highway and bridge projects for various state, county, and local governments. His duties also include contract administration, monitoring employee performance, and oversight of construction activities.

Summary of Experience

D030934, Construction Inspection for the Reconstruction of Route 17 Interchange at Exit 122, Stage II and Interchange Modifications at Exit 121, I-84, Rehabilitation of Route 17 Bridge over I-84, *NYSDOT.* Project Manager for this project which consists of relocating and reconfiguring the Route 17 Interchange with Crystal Run Road (Exit 122). Design consists of new loop and diagonal type ramps to a realigned Crystal Run Road (East Main Street). EB Route 17 fully reconstructed on new profile, three (3) new bridges and several new retaining walls. Rehabilitate Route 17 Bridge over I-84. Significant traffic control issues involving Route 17 traffic. I-84 traffic and numerous local traffic generators; including the Orange County Medical Center, four restaurants, three hotels, a Corporate Park, State Police facility, the Horton Medical Building, etc.

D030549 Construction Inspection on the Rte 17 Upgrade to I-86 in the Town of Wallkill, Orange County, NY, *NYSDOT.* Project consists of upgrading State Rt. 17 to Interstate standards between Exit 116 and Exit 121. When completed the project will include 3.6 miles of full depth pavement replacement, 3.1 miles of mill and fill, 3.3 miles of crack and seat with mill and fill work on the various ramps. It will also include rehabilitating Scotchtown Road bridge over Rt. 17, the Rt. 17 bridge over Rt. 17K, the Rte17 bridge over Rt. 211, the Rt. 17 bridge over the Norfolk Southern RR and the Rt. 17 bridge over I-84. A new bridge will be constructed to carry Rt. 17 over a new Town Road just north of I-84.

D030905 Term Agreement for Construction Inspection Services, Region 8, *NYSDOT.* Project Manager responsible for providing construction inspection services on a wide variety of projects under a term agreement with NYSDOT. Road and bridge type projects for on-site inspection of work included: paving, bridge maintenance, guide rail, crack sealing, signs, signals, graffiti, SPEDES, soil borings, bridge painting, etc.

D030654 Term Agreement for Construction Inspection Services, Region 8, *NYSDOT.* Project Manager responsible for providing construction inspection services on a wide variety of highway and bridge type projects in Region 8. Inspection work to include paving, earthwork, new bridge construction, bridge maintenance, guide rail, crack sealing, signs signals, graffiti removal, SPEDES work, soil borings, bridge painting, drainage work, curb, sidewalks, etc. Peak staff anticipated to be 25 to 30 on 18 projects. Work started in December 2008. Estimated Construction costs at $35M.

D030574 Term Agreement for Construction Inspection Services, Region 8, *NYSDOT.* Project Manager responsible for providing construction inspection services on a wide variety of highway and bridge type projects in Region 8. Inspection work to include paving, earthwork, new bridge construction, bridge maintenance, guide rail, crack sealing, signs signals, graffiti removal, SPEDES work, soil borings, bridge painting, drainage work, curb, sidewalks, etc. Peak staff anticipated to be 25 to 30 on 18 projects. Work started in December 2008. Estimated Construction costs at $35M.

D015696 Term Agreement for Construction Inspection Services for NYSDOT, Region 8, *NYSDOT.* Work consists of providing construction inspection services on a wide variety of highway and bridge projects. Inspection work consisted of paving, bridge maintenance, guide rail, crack sealing, signs, signals, graffiti removal, SPEDES, soil borings, bridge painting, drainage, retaining walls, new bridge construction, etc. Peak staff for 2007 was 28 on approximately 15 projects. Work started in March 2008. Highway and Bridge Construction Costs estimated at $25M.

D213766 Term Agreement for Construction Inspection Services, *NYSTA.* Project Manager responsible for providing construction inspection and material testing services on various projects under a term agreement with the NYSTA. Services included providing inspection personnel on road and bridge type projects for on-site inspection of the work including soils, concrete, asphalt, environmental and material testing. Responsibilities included contract administration and construction management.

D015649 Term Agreement for Construction Inspection Services for Region 8, *NYSDOT.* Project Manager responsible for providing construction inspection services on a wide variety of highway and bridge projects under a term agreement with NYSDOT. Services to include providing inspection as follows: paving, bridge maintenance, guide rail, crack sealing, signs, signals, graffiti, SPEDES, soil borings, bridge painting, etc. Peak staff for 2007 was 27 inspectors on approximately 18 projects. Highway and Bridge Construction Costs estimated at $30M.

Project Construction of Ramp X on SB Taconic State Parkway and Route 9A/100, *NYSDOT.* Project Manager for this project which involved constructing a ramp to carry SB Route 9A/100 traffic up and over Route 9A/100 and onto SB Taconic State Parkway. Project includes a new bridge to carry the ramp over Route 9A 100; construction of the ramp; relocation of an existing bikeway; extensive drainage work; rehabilitation of a bridge on Route 9A/100 over the Pocantico River; overhead sign work and extensive wetland mitigation work including removal of invasive species. The bridge has a pile foundation and a curved girder deck, single span with spliced steel.

Term Agreement on NYSTA TANY 07-21B/D213680- Painting of Two Bridges on the New York Division, *NYSTA.* Project Manager responsible for providing inspection and field office support services for the painting of the Cross County Parkway Bridge over the NYS Thruway and the NYS Thruway Bridge Mile Square Road in Yonkers.

Term Agreement on NYSTA TANY 05-37/D213542, *NYSTA.* Project Manager responsible for the installation of Epoxy and other Pavement Markings at various locations in the New York Division- $0.7M. Responsible for providing inspection support services for this pavement marking contract.

Chronological History of Employment

Tectonic – 2003-Present
NYSDOT – 1993-2003

MARK STIER, PE

Assignment
Task Project Manager

Years of Experience With Firm
12

With Other Firms
1

Education
B.S., Geology, Cornell University, 1990

M. Eng. (Geologic Sciences) – Cornell University, 1992

Graduate Study – Geotechnical Engineering, University of Idaho

Professional Registrations
PE: New York – No. [redacted] (2008)

OSHA HAZWOPER Site Supervisor Training (2006)

OSHA HAZWOPER 8-Hour Refresher (2011)

OSHA HAZWOPER 40 Hour Training (1999)

OSHA 30-Hour Construction Safety and Health Training (2011)

ERSI ArcGIS Trained - Basic and Raster Data Processing (2007)

CETCO Certified Geosynthetic Installation Inspector (2008)

Troxler Certified (1999)

Current Responsibilities

As Senior Vice President of Geotechnical and Construction Inspection Services, Mr. Stier provides technical direction and supervision for geotechnical engineering and construction inspection staff. Responsible for review of performance of geotechnical evaluations and construction inspection/ materials testing for residential, commercial, and public facilities; and preparation and review of geotechnical reports.

Summary of Experience

Madison Yards, New York, NY, *MTA Metro-North Railroad.* Senior Geotechnical Engineer responsible for this project which consisted of the construction of elevator and escalator shafts for the Madison Yards portion of the MTA's East Side Access Project. Performed controlled inspections of installation and performance and proof tests for strand and bar anchors in compliance with NYC Code requirements and project specifications. Prepared anchor inspection summary reports. Performed NYC required subgrade inspections for footings for pile caps and elevator shafts to verify that the footings were bearing on 25 tsf bedrock.

44th Street Vent Plant, New York, NY, *MTA Metro-North Railroad.* Senior Geotechnical Engineer for this project which consisted of the construction of a new vent plant for the MTA's East Side Access project adjacent to Grand Central Terminal. Performed NYC required subgrade inspections for footings for footings and piers to verify that the footings were bearing on 10 tsf bedrock.

Tappan Zee Bridge Marina, NY, *NYSTA.* Engineering Geologist responsible for providing site inspection of sediment samples by contractor using vibracore sampling technique for the Tappan Zee Bridge Marina Project involving assisting the NYSTA in obtaining a New York District Army Corps of Engineers and an Environmental Protection Agency approved permit to dredge at the Tappan Zee Bridge Marina.

York College Academic Core Building Dewatering Investigation, Queens, NY, *DASNY.* Project hydrogeologist responsible for this project which consisted of evaluating the subsurface conditions to determine the design parameters for a permanent dewatering system. Designed a subsurface investigation and well installation for a pump test. Directed soil boring and pumping and monitoring well installation. Performed pump test and collected data from monitoring well network. Analyzed pump test data to determine hydraulic conductivity of the aquifer. Modeled current groundwater conditions using Visual MODFLOW and then modeled a preliminary groundwater dewatering system to determine optimum well locations and approximate quantity of the dewatering system discharge. Evaluated potential methods for disposing of dewatering

discharge. Performed an additional investigation to determine if an infiltration field was a feasible method for disposing of the dewatering effluent which included directing a subsurface investigation of potential infiltration field locations and performing groundwater modeling using Visual MODFLOW to model the effects of the pumping and recharge system.

Owl Hollow Fields Environmental Monitoring, Staten Island, NY, *NYC Department of Parks and Recreation.* Project Engineer for this project where Tectonic was selected as the NYSDEC Independent Environmental Monitor for the remedial capping of an 11 acre PCB and solid waste contaminated site at Freshkills Landfill in Staten Island during its conversion into community soccer fields. Tectonic is responsible for verifying that all aspects of Site Management Plan are complied with during remedial activities. Performed oversight of the remedial removal of PCB contaminated soil hotspot, monitored soil excavations and fill delivery and placement activities, and prepared bi-weekly activity summary reports summarizing site monitoring activities for submittal to NYSDEC. Also performed air monitoring using PID and real-time particulate monitors per the approved CAMP in the SMP.

Central Park Police Precinct Environmental Services, New York, NY, *NYCDDC.* Project Engineer responsible for providing technical direction and oversight of a project that involves renovating an existing police precinct building to a modern facility within a historic landmark building. There are known to have been two (2) 550 gallon gasoline underground storage tanks (USTs) and one 8,000 gallon fuel oil UST located adjacent to the existing building on the property. During a previous environmental subsurface investigation, soils impacted with fuel oil were identified on the property up to the edge of the building and within the building footprint. As technical engineer, performed the remedial investigation and prepared the Remedial Investigation Report. Prepared a Remedial Action Plan consisting of an active vapor intrusion control system; underdrains to control groundwater potential impacted with VOCs; and prepared reports including a HASP and CAMP in accordance with TAGM 4031 guidelines. Designed subslab SVE extraction wells and coordinated the design of a SVE treatment system to extract VOCs from the subslab soils and coordinated design of the SVE treatment system in a custom designed vault located adjacent to the structure. Obtained approval for SVE system from NYSDEC.

Adams UST Spill Investigation and Remedial Closure, Highland Mills, NY, *NYSDEC.* Project Engineer responsible for performing technical services for the investigation of a spill caused by an underground storage tank located adjacent to the site residence. Performed remedial investigation, prepared a remedial investigation report and provided a remedial action plan in accordance with NYSDEC STARS guidance for SVOC petroleum hydrocarbons to determine the area impacted on the property. Also provided direct coordination with the environmental contractor that performed remedial removals of contaminated soil. Prepared a NYSDEC closure report, including results of investigation and documentation of the tank removal with associated transportation manifests and disposal tickets.

Chronological History of Employment

Tectonic – 2002-Present

RUSSELL GAUSS, PE

Current Responsibilities

Mr. Gauss is a Licensed Professional Engineer in New York and Florida who specializes in controlled inspections, engineering and project management including but not limited to scheduling coordination, estimating, contracting, documentation and performing controlled inspections, testing and analysis. He also has expertise in: construction design development and review of specifications, submittals, training, surveying and layout.

Summary of Experience

Special Inspections and Materials Testing Laboratory Services #RQ_A&E_2R, *NYCDDC.* Project Manager for various task-orders under a three year term contract for Cultural, Police and Fire facilities and Libraries. Inspection and testing of all material, equipment and operations are conducted with strict adherence to the New York City Building Code and comply with contract drawings and specifications. Assignments include: New Kensington Branch Library, Cortelyou Branch Library, Studio museum in Harlem, Queens Botanical Garden, and Brooklyn Historic Society.

Term Agreement for Construction Inspection and Materials Testing Services, *DASNY.* Tectonic provided construction inspection services on a multi-year Term Agreement contract for construction inspection and materials testing services for various State Facilities. Assignments Include: CUNY Lehman College Science Facility.

Law School Dorm, NY, *Fordham University.* Inspector responsible for providing construction inspection services for the $250M new 460,000 GSF Law School and Dormitory at the Lincoln Center Campus of Fordham University. Inspections include inspection of concrete, steel and masonry.

Policy Academy, NY, *NYCDDC.* Tectonic is providing special inspection services for the $1.5 Billion construction of the New York Police Academy under our citywide Controlled Inspection and Testing Laboratory Services contract. Responsible for all inspections and testing with strict adherence to NYCDOB standards.

LGA Bus Depot Bus Washers, Queens, NY, *MTA.* Resident Engineer for this $1.9 million dollar MTABC new bus washers construction project in Queens, NY.

Assignment
Task Project Manager

Years of Experience With Firm
2

With Other Firms
29

Education
B.S., Geology, Cornell University, 1990

M. Eng. (Geologic Sciences) – Cornell University, 1992

Graduate Study – Geotechnical Engineering, University of Idaho

Professional Registrations
PE: New York – No. [redacted] (2008)

OSHA HAZWOPER Site Supervisor Training (2006)

OSHA HAZWOPER 8-Hour Refresher (2011)

OSHA HAZWOPER 40 Hour Training (1999)

OSHA 30-Hour Construction Safety and Health Training (2011)

ERSI ArcGIS Trained - Basic and Raster Data Processing (2007)

CETCO Certified Geosynthetic Installation Inspector (2008)

Troxler Certified (1999)

Delta Testing Laboratories, Inc., Mt. Vernon, NY. Technical Director responsible for the Technical & Quality Management of Field and Laboratory Operations for a Construction Inspection/Materials Testing Laboratory that provides Quality Control and Inspection Sign-Off of Building Construction and Site Development.

- Responsible for supervising and the evaluation of field and laboratory technicians and providing daily management support.
- Provide Quality Assurance by meeting with clients and contractors in the field to validate reports and to coordinate details, specifications and Building Department requirements.
- Supervised and performed controlled inspections in NYC and surrounding metropolitan area at major projects such as schools, hospitals, theaters, office buildings, shopping centers and residential units. Specializing in the inspection of construction with regard to soils & subgrade, pile installation, reinforcing steel, formwork, concrete, structural steel, structural stability, integrity of building modifications and investigation of material failures.
- Performed MEP controlled inspections at commercial and residential job sites for various life safety systems, fire suppression systems and refrigeration systems. Guidance for implementation of performing Energy Code inspections.
- Supervise, perform and witness Mechanical, Electrical and Plumbing functional operational test including but not limited to fire suppression / detection systems, emergency generators, fire pumps, emergency lighting, domestic water and storm piping at construction projects.
- Provided technical oversight and supervisory guidance to achieve and maintain various accreditations such as AMRL, CCRL, AASHTO and "IAS which is presently in progress".

Testwell, Inc., Ossining, NY. Technical Director responsible for Senior Management of a Field Inspection and Materials Testing Laboratory for the quality control of building construction and site development. Responsible for final review of Inspection and Testing reports used for Technical report (NYC: TR-1, 2 & 5) sign-off for projects within the Tri-State area and well as Florida. Employed to provide technical direction to help facilitate the closing of the company.

- Provided Technical oversight of NYC's largest Material Testing Laboratory and supervisory guidance to maintain various accreditations such as NVLAP, AMRL, CCRL and AASHTO.
- Responsible for supervising the scheduling and evaluation of field and laboratory technicians and provided daily management support
- Responsible for final review of all field and laboratory reports prior to final TR signoff and sealing of documents to be submitted to clients and Building Departments.
- Provided Quality Assurance by meeting with clients and contractors in the field to validate reports and to coordinate detailed specifications and Building Department requirements.
- Coordinated with the A/R Department for preparation of invoices for Laboratory testing and billing reconciliation.
- Performed final field inspection on projects requiring final TR sign-off and coordination with project expeditors.
- Technical Management of the Company wind down during Chapter 11 status; technical closeout of projects and coordinating the transition of quality control of our clients.

Chronological History of Employment

Tectonic – 2012-Present
Delta Testing Laboratories, Inc. – 2010-2012
Testwell, Inc. – 2009-2010
National Realty & Development Corp. Inc. – 2007-2008
AARK Contractors, Inc. – 2007
Ginsberg Development Companies – 2005-2007
Testwell Laboratories, Inc. – 2001-2005

RAUL E. MENDOZA, ACI

Current Responsibilities

Mr. Mendoza is a NICET II Inspector and is experienced in various fields and phases of the Construction Industry. His inspector abilities and experience is based on projects for Federal, State and City agencies and private organizations. His abilities are directed on QA/QC level checking projects, completion under contract specifications. Mr. Mendoza's experience includes Concrete/Asphalt field and plant work, soil inspection, soil testing, rebar, masonry/curtain wall and fire stopping.

Assignment
Task Project Manager

Years of Experience With Firm
3

With Other Firms
10

Education
B.A., City College of New York

Professional Registrations
ACI Concrete Construction Special Inspector – No. [redacted]

ACI Concrete Field Testing Technician – Grade I – No. [redacted]

NICET Level II
Asphalt Concrete, Soils (2007)

NICET Construction Materials Testing - Concrete Level II

NICET Construction Materials Testing - Soils Level II

NICET Construction Materials Testing - Asphalt Level II

Summary of Experience

Consultant Services for Controlled Inspection, Various Boroughs, NY, *NYCSCA.* Responsibilities include performing Controlled Inspection and testing inspections of Concrete placed on-site and of batch plant operations, as well as masonry, soils, subgrade, earthwork, rebar, asphalt, fire proofing and fire stops; Various project locations. Reporting circumstances of field activity to Project Officers. Maintaining supportive documentation of field activities and Contractor operations.

Term Agreement for Construction Inspection and Materials Testing Services, *DASNY.* Inspector responsible for performing fire stopping, fire proofing, masonry, soils, rebar and concrete inspections at various sites, such as York College Performing Arts Center, NY Psychiatric Center, Bernard Fineson. Reported findings to client to ensure compliance to specifications.

World Trade Center, Tower 4, Manhattan, NY, *Silverstein Properties.* Inspector responsible for inspecting concrete at Ground Zero to ensure specification compliance. Constantly in communication with the client and the Project Managers to notify all parties of any issues. Working together with various trades to create a productive work environment.

Center for Sports, *Adelphi University.* Performed various construction inspection services to verify that all work was being done in accordance with the project specifications. Conducted masonry, rebar, and soils inspections. Communicated with the client and reported findings.

Inspection Services, Various Sites, NYC, *NYCDDC.* Inspector responsible for performing soils, concrete, coring, rebar, masonry, fire stopping, and fire proofing inspections under citywide Controlled Inspection and Testing Laboratory Services contract.

Quality Control Plan Administrator, GRACE Industries, LLC. Established a quality control Plan. Ensured that material meets specifications, corrected mix problems, and controlled material temperature.

- Ensured compliance with environmental regulations by working with environmental consultant.
- Prepared Mix designs for Batch plant and drum plants. Guaranteed mix designs in a timely fashion, within deadlines and ensured that designs were approved.
- Other responsibilities also included performing laboratory assessments and providing equipment inventory, maintenance, calibration, cleanliness, and supplies.
- Produced daily, weekly, monthly, and year-end production reports. (Material made, rap used, ac used, raw materials, gross sales, best customers, etc.)
- Full time QC/QA manager at the plant during production.
- Made sure material meets specifications on Port Authority, NYS DOT, and NYC DOT jobs.
- Held weekly progress and quality control meetings.
- Submitted price quotes, mix designs, specifications, job cost estimates to all Grace clients.
- Establish a digital filing system for quality control, in which all test results and daily quality control reports were scanned in and filed electronically. Reports were then available via email and fax.

Highway and Street Maintenance Inspector, NYCDOT. Responsibilities included, monitoring the activities of City Paving Crews at various locations within the 5 boroughs. Verified material placement and performed density tests for Asphalt Compaction analysis.

Material Testing Lab Field Inspector. Worked as a Construction Material Technician/Inspector performing services including, sub-grade in-place density of soil and moisture control using nuclear gauge, collected samples and performed 1 point proctor on site. Inspected masonry/curtain panel, fire proofing and fire stopping. Conducted Rebar inspections, field testing of fresh concrete and placement according to ACI procedures. Worked on Asphalt paving projects for Port Authority, State, City and Private Organizations.

Chronological History of Employment

Tectonic – 2011-Present
Grace Industries, LLC – 2009

KENNETH Y. CHO, PE

Assignment
Construction Manager/
Resident Engineer

Years of Experience With Firm
33

With Other Firms
6

Education
A.A.S., Airframe Design, Academy of Aeronautics, 1971

B.S., Civil Engineering, Polytechnic Institute of New York, 1974

M.S., Civil Engineering, New Jersey Institute of Technology, 1984

Professional Registrations
PE: New York - No. [redacted] (1980)
New Jersey - No. [redacted] (1984)
Connecticut - No. PEN[redacted] (1995)
Pennsylvania - No. [redacted] (2000)

Current Responsibilities

Project Manager/Resident Engineer for major transportation projects involving inspections and structural designs for bridges, highways, tunnels, shops and maintenance facilities, and railways. Mr. Cho is also responsible for field condition surveys.

Summary of Experience

Hudson Line Stations Rehabilitation, Phase 2B, Westchester, NY, *MTA Metro-North Railroad.* Senior Resident Engineer responsible for overseeing the construction of the $50 million, 39 month staged reconstruction of platforms at Philipse Manor, Scarborough, and Ossining Stations. The rehabilitation included the replacement of 4,500 LF of high-level platforms, 1,500 LF of canopies, 6 pile-supported elevators, a new pedestrian overpass, rehabilitation of 2 existing overpasses with Americans with Disabilities Act (ADA) improvements, ADA ramps, new heated shelters, electrical upgrades, improved lighting, a variable-message sign system, a public address system, and station amenities. Responsible for maintaining the project schedule through the use of the critical path method schedule, providing coordination with the Construction Support Service group in addressing the various requests for information regarding design modifications and unforeseen field conditions, and coordinating and communicating with local communities and municipalities for various construction efforts affecting commuters and vehicular traffic.

Mid-Hudson Line Inbound Stations, Phase 2A, Westchester, NY, *MTA Metro-North Railroad.* Senior Resident Engineer responsible for overseeing the construction for the $15 million, 18 month staged reconstruction of platforms at Hastings-on-Hudson, Dobbs Ferry, and Irvington Stations. The rehabilitation included the replacement of 2,000 LF of high-level platforms, 800 LF of canopies, Americans with Disabilities Act (ADA) ramps, new heated shelters, electrical upgrades, improved lighting, a variable-message sign system, a public address system, and station amenities. Maintained the project schedule with the critical path method schedule. Provided coordination with the Construction Support Service group in addressing the various requests for information regarding design modifications and unforeseen field conditions. Also coordinated track usages with other projects in the same block.

Mid-Hudson Line Station Overpasses, Westchester, NY, *MTA Metro-North Railroad.* Senior Resident Engineer responsible for overseeing the construction for the $36 million staged reconstruction of platform extensions at four rail stations, replacement of three overpasses with Americans with Disabilities Act (ADA) improvements including new elevators, and the reconstruction of a retaining wall.

Hudson Line Stations and the Historic Preservation of the Yonkers Station, Yonkers, NY, *MTA Metro-North Railroad.* Resident Engineer responsible for providing construction management services for a $66 million historic restoration of Yonkers Station, the staged reconstruction of platform extensions at nine stations,

replacement of three overpasses with Americans with Disabilities Act (ADA) improvements including construction and rehabilitation of elevators, and the construction of river access for the Department of Environmental Conservation including landscaping.

Journal Square Transportation Buildings, Jersey City, NJ, *PANYNJ.* Project Manager responsible for scheduling, coordination, and structural inspections of transportation buildings, including the building fascia, during two annual inspections. Tasks included researching documents, leading an inspection team of four structural engineers, developing an inspection schedule, coordinating with the Port Authority personnel for accessing the office spaces for inspection, and coordinating with equipment vendors for inspection support. Also prepared a report including findings and recommendations for improvements.

Teterboro Airport, Teterboro, NJ, *PANYNJ.* Project Manager responsible for coordination and structural inspections of 15 hangars and buildings. Responsible for coordinating the researching of documents, organizing an inspection team of four engineers, developing an inspection schedule, and controlling the budget.

Hudson River Tunnel A, New York, NY, and Jersey City, NJ, *PANYNJ.* Team Leader for a condition survey of 125 feet of tunnel ceiling for the Port Authority Trans-Hudson (PATH) Tunnel A under the Hudson River. Mapped out deficiencies and sounded the tunnel for possible delamination in the parging. Inspected both brick and concrete segments of the tunnel.

Lincoln Tunnel Exhaust Duct Inspection, Manhattan, NY, *PANYNJ.* Team Leader for the in-depth inspection of the 200-foot concrete offset exhaust duct in the Lincoln Tunnel. Sounded the concrete surfaces with a hammer and mapped out cracks, hollow-sounding areas, spalls, and the locations of exposed reinforcing bars. Painted deficient areas for ease of repair.

41st Street Access Tunnel Inspection, Manhattan, NY, *PANYNJ.* Team Leader for the in-depth inspection of the 500-foot access tunnel from 41st Street to the Port Authority's Bus Terminal. Sounded the side retaining walls and the top structural slab with a hammer and mapped out cracks, hollow-sounding areas, spalls, and the locations of exposed reinforcing bars.

John F. Kennedy International Airport, Queens, NY, *PANYNJ.* Team Leader for a structural integrity inspection of Building 55 at a major airport.

Condition Surveys, Queens, NY, and Jersey City, NJ, *PANYNJ.* Team Leader for condition surveys of Hanger 17 at the John F. Kennedy International Airport and the east exterior wall at the Henderson Street Car Shop in Jersey City.

Condition Survey, John F. Kennedy International Airport, Queens, NY, *PANYNJ.* Team Leader for a condition survey of Building 178 at a major airport. Responsible for the field efforts and report preparation for this structural integrity inspection

Chronological History of Employment

Gannett Fleming – 1980-Present
Sverdrup & Parcel & Associates, Inc., New York, NY – 1979-1980
MTA New York City Transit, New York, NY – 1974-1979
New Jersey Department of Transportation, Trenton, NJ – 1974

MICHAEL J. GRZESKOWIAK, PE

Assignment
Construction Manager/
Resident Engineer

Years of Experience With Firm
1

With Other Firms
38

Education
B.S., Civil Engineering, Rutgers, The State University of New Jersey, 1973

B.A., Business Administration, Rutgers, The State University of New Jersey, 1973

M.S., Structural Engineering, Rutgers, The State University of New Jersey, 1977

Professional Registrations
PE: New York – No. [redacted] (2014)
New Jersey – No. [redacted] 1978)

Current Responsibilities

Mr. Grzeskowiak is a Resident Engineer experienced in project and construction management for public and private clients on post office, courthouse, school, airline, airport, electrical substation, highway, landfill, and remediation projects. He has managed both new construction and renovation work with direct responsibility for project schedule, budget, and construction including contract administration, quality control, contractor payments, estimates, change order negotiations, field directives, daily reports, meeting minutes, shop drawings, submittals, requests for information, commissioning, space turnover, and project closeout. Mr. Grzeskowiak supervises architectural, structural, electrical, plumbing, and heating, ventilation, and air-conditioning (HVAC) field inspection staff, administrative and document control staff, and curtain wall, security, elevator, and asbestos removal inspection consultants.

Summary of Experience

Renovation of Electrical Substation Control Buildings, East Rutherford and Ridgefield, NJ, *Public Service Electric and Gas Company (PSE&G).* Construction Manager for the $600,000 renovation of two existing electrical substation control buildings. Project consisted of asbestos abatement, the demolition of existing doors and frames, removal of existing windows, and the furnishing and installation of a concrete stone veneer wall system, insulated metal wall panels, painting of interior walls and ceilings, new doors and frames, vinyl composition tile and vinyl base, terrazzo floor repairs, window security screens, toilet partitions and accessories, roof ladder, roof parapet metal coping, lighting and devices, plumbing fixtures, sump pumps, and through wall fans and ductless split system air-conditioners. Monitored contractors' work for compliance with contract documents, prepared daily and weekly progress reports, reviewed contractor payment requisitions, and coordinated with client on staging of work in occupied buildings and scheduling of safety watchers.

Replacement of 26 kV Substation Transformers, Bloomfield, NJ, *PSE&G.* Construction Manager for $300,000 replacement of 26 kV breakers at PSE&G Toney's Brook substation. Work included the removal of existing breakers, removal and environmental disposal of existing coolant, coordination with client for outages to perform the work, and installation of new breakers, relays, wiring, and testing.

Design Services for Replacement of Authority State Police Facilities, Multiple Locations, NJ, *NJTA.* Construction Engineer for performing constructability reviews on the NJTA Program Management Building Assessment Program for the following projects:

- Construction of Troop D Bloomfield Station - Parkway Milepost (MP) 153.0 NB
- Replacement of New Jersey State Police Troop D Newark Barracks
- Construction of Troop D Moorestown Station - Turnpike MP 37 NB

- Construction of Troop D Galloway Station - Parkway MP 42.0
- Rehabilitation of Toll Utility Buildings - South, Interchanges 2, 3, 4, 5, 6, 6A, 7, and 7A
- Rehabilitation of Toll Utility Buildings - Central, Interchanges 8A, 9, 10, 11, 13, 13A, and 14
- Rehabilitation of Toll Utility Buildings - North, Interchanges 14A, 14B, 14C, 15E, 15W, 16E 18E, 16W, 17, and 18W.

Responsibilities also included reviewing the design documents for these seven projects and providing comments to the design team.

Newark Liberty International Airport, Newark, NJ, *PANYNJ.* Project Engineer on projects totaling $20 million responsible for managing construction contracts, coordinating consultants, supervising contractors, negotiating change orders, and managing budgets and schedules on projects that included the construction and renovation of runways, taxiways, roadways, bridges, passenger lounges, automotive shop, warehouse, and parking facilities.

Newark Liberty International Airport, Newark, NJ, *Continental Airlines.* Project Manager for the renovation of airline terminal, operations, and office facilities at Newark Liberty International Airport, including $1.2 million renovation of terminal offices and operating facilities for Aircraft Maintenance, Inflight, and Flight Operations personnel and $3 million pump station construction. Managed design and construction of cargo building expansion and renovation. Provided project design oversight and construction management for a $15 million, 75,000-square-foot wide body aircraft hangar. As Configuration Manager, coordinated the planning efforts of a team of consultants for Continental's $600 million Global Gateway Program, providing technical support with scheduling, estimating, construction phasing, interface with the Port Authority of New York and New Jersey, field surveys, reports, and presentations.

PS/IS 237K New School Construction, Brooklyn, NY, *New York City School Construction Authority.* Lead Project Officer for the construction of a new, $56 million, four-story, 140,000 square-foot primary/intermediate school. Project consisted of demolition of existing building, underpinning of adjacent structure, classrooms, cafeteria, auditorium, gymnasium, locker rooms, switchgear room, fire pump, offices and playground, installation of electrical, HVAC, plumbing, sprinkler, fire alarm, audiovisual, and security systems, passenger and freight elevators, emergency generator, curtain wall, architectural finishes, and commissioning. Building had exterior masonry walls with brick face and interior partitions, as well as rooftop gas heating and cooling units.

U.S. Attorney Tenant Fit Out, Brooklyn, NY, *General Services Administration.* Resident Engineer for the $19 million, 180,000-square-foot fit-out project for the U.S. Attorney. Project consisted of seven floors of HVAC, plumbing, electrical, and security systems and finishes installed in a newly renovated historic courthouse and post office building. Facilities included offices, computer room/data center, library, holding cells, sally port, conference rooms, press room, security doors, hardware, glass, and cameras.

Underground Storage Tanks, New York, NY, *New York City Department of Design and Construction.* Resident Engineer for the $15 million project for the construction of soil and groundwater remediation systems and the upgrade and replacement of underground fuel storage tanks at multiple police precincts throughout New York City. Installed Veeder-Root leak detection and monitoring systems.

Chronological History of Employment

Gannett Fleming – 2012-Present
URS Corporation/O'Brien Kreitzberg, New York, NY – 1996-2011
Multi-Tech Associates, South Plainfield, NJ – 1993-1996

LAZARUS FRANCINO, PE

Assignment
Construction Manager/
Resident Engineer

Years of Experience With Firm
1

With Other Firms
27

Education
A.S., Engineering Science, The State University of New York at Farmingdale, 1983

B.E., Mechanical Engineering, Manhattan College, 1985

Professional Registrations
PE: New York – No. [redacted] (1996)

Current Responsibilities

Mr. Francino is a Resident Engineer/Construction Manager with 28 years of experience in all phases of engineering planning, design, scheduling, construction, and financial controls. He has extensive knowledge in building systems, utility infrastructure, highways, sewage treatment, and information technology industries. His experience includes directing construction management teams, design professionals, and support personnel toward the successful completion of projects and career growth, as well as planning and managing the financial aspects of all project phases. Mr. Francino is a Resident Engineer working on projects ranging in construction cost from $0.5 million to $32 million and planning yearly construction budgets of $75 million.

Summary of Experience

SUNY Stony Brook Wastewater Treatment Plant Improvements, Stony Brook, NY, *Suffolk County Department of Public Works.* Resident Engineer on an $18 million improvements project of a 2.5 mgd wastewater treatment plant. The multi-prime project includes new denitrification and gravity belt thickener buildings/facilities, relocation of existing stormwater recharge basin, upgrade of electric service equipment, multiple motor control center modifications, and more than 2000 LF of underground electric duct banks.

Udall's Mill Pond Dredging, Great Neck, NY, *Nassau County Department of Public Works.* Engineering and Construction Manager on the $6 million project dredging 36,000 cubic yards of sediment from Udall's Mill Pond. The project included hydraulic dredging, geotube dewatering with polymer system, disposal of material in a Department of Environmental Conservation-approved site, and the removal of invasive vegetation and planting of native wetlands plant materials.

Bay Park Sewage Treatment Plant Dechlorination Facility, East Rockaway, NY, *Nassau County Department of Public Works.* Resident Engineer on the $4.2 million multi-prime project. Responsible for construction of a sodium bisulfite dechlorination facility. Included retrofitting an existing building with piping, pumps, control valves, containment area, chemical tanks, process controls system, electric system, fire alarm and suppression, and communications. Also included the installation of sampling lines and chemical injection lines into the 84-inch outfall pipe 25 feet below grade.

Bay Park Sewage Treatment Plant Hot and Chilled Water Replacement, East Rockaway, NY, *Nassau County Department of Public Works.* Project Controls for $6.5 million replacement of piping and control valves for sewage treatment plant heating and cooling system. Worked with the owner to develop objectives including constraints that would keep the contractor's operations under control. Developed schedule logic, durations, and cost loaded schedule. Updated the schedule, and prepared engineer's certificate for monthly payments. Reviewed the contractor's progress identifying deficiency and suggesting tasks and work blocks requiring additional focus and resources. All project milestones were completed on schedule as well as substantial completion.

Ransom Beach Comfort Station, Bayville, NY, *Town of Oyster Bay.* Engineering and Construction Manager for the multidiscipline design for a new comfort station. Coordinated survey, architectural, structural, and mechanical, electrical, and plumbing subconsultants, and coordinated permit application process. As Resident Engineer responsible for all construction disciplines for the multi-prime $950,000 construction project.

Mitchell Field Parking Lot, Uniondale, NY. Project Engineer/Construction Manager during the design and construction phases for the construction of a 750-car parking lot and entrances to serve a children's museum, recreational facility, and office building. Construction included drainage, lighting, and sidewalks.

Piping Rock Country Club Maintenance Building, Locust Valley, NY. Design and Construction Manager of site work and utilities including parking, asphalt entrance and exit, drainage, septic system, water service with a double check valve, electric, and fire service for a 20,000-square-foot maintenance building.

Newbridge Creek, Bellmore, NY. Resident Engineer/Construction Manager during the construction of 2,000 feet of culvert through a residential area. Responsible for claims, change orders, project schedule, contractor and subconsultant direction, and interaction with local residents and school, as a representative of the town.

Mediacom National Call Center, Middletown, NY, *Mediacom.* Project Manager for Mediacom National Call Center build-out. Responsible for the project planning and scheduling during the construction phase of a 520-seat national call center. This project included the construction of a new building in Pensacola, Florida, and retrofit of an existing Mediacom call center in Des Moines, Iowa. The work included identification and tracking of critical equipment and materials deliveries, construction force scheduling, and project plan updates and reports.

Cablevision Connecticut Call Center Consolidation, Bridgeport, CT, *Cablevision.* Project Manager for construction of the consolidation of multiple small local call centers into one centralized location. The project was the demolition and renovation of a 10,000-square-foot multi-floor office space. Responsibilities included scheduling trades and technical workforces; scheduling equipment and material deliveries; and maintaining and publishing the project plan and reports.

Chronological History of Employment

Gannett Fleming – 2012-Present
de Bruin Engineering, Bethpage, NY – 2004-2012
Bearingpoint, Melville, NY – 2000-2004
Bell Atlantic, New York, NY – 1995-2000
A. James De Bruin & Sons, Bethpage, NY – 1989-1995
Grumman Aerospace Corporation, Bethpage, NY – 1985-1989

EDWARD T. POWERS, PE

Assignment
Construction Manager/
Resident Engineer

Years of Experience With Firm
4

With Other Firms
27

Education
B.S., Agricultural/Environmental Engineering, Cornell University, 1983

Construction Documents Technologist, Construction Specifications Institute, 2000

Construction Contract Administrator, Construction Specifications Institute, 2001

Professional Registrations
PE: New York – No. [redacted] (1992)

Current Responsibilities

Mr. Powers is a Resident Engineer responsible for administering construction contracts to upgrade sewage treatment plants. He performs extensive coordination with contractor, plant operations, designer, and the New York City Department of Environmental Protection Bureau of Environmental Design and Construction to make certain that work meets design intent and contract specifications and is beneficially useful to the user in plant operations. He also manages inspection, scheduling, change order, permitting, document control, and safety staff. Mr. Powers reviews and approves payments and accepts or rejects work performed.

Summary of Experience

Newtown Creek Wastewater Pollution Control Plant Upgrade, Queens, NY, *NYCDEP.* Resident Engineer for the process wrap-up contract involving the installation of new 38 kV switchgear, internal inspections and modifications for digesters, new service water system for digester and centrifuge facilities, and numerous other process improvements.

Newtown Creek Wastewater Pollution Control Plant Upgrade Services, Brooklyn, NY, *NYCDEP.* Resident Engineer/Assistant Resident Engineer on various contracts, including:

- Resident Engineer for NC-41F/EF/HF, $120 million demolition and foundation contracts to prepare for construction of central residuals facility. Job finished ahead of schedule.
- Resident Engineer for NC-105EG, a $4 million service contract to rent and maintain two 2 MW emergency generators to provide backup power to the facility. Contract extended until other contracts put new permanent emergency generators on line.
- Resident Engineer for NC-35F, a $35 million foundation contract to prepare for construction of new North Battery. Job finished ahead of schedule.
- Resident Engineer for NC-31C, a $25 million procurement contract to fabricate, test, and start-up 24 centrifuges. Job met fabrication completion milestones and pilot centrifuge installation milestone, however ultimate completion delayed years by delay to install centrifuges by 31G contractor.
- Resident Engineer for NC-29G, a $3 million roadway and utility installation. Job finished ahead of schedule.
- Assistant Resident Engineer for NC-27G/E/H/P, $15 million contracts to construct utilities, roadways, new construction management building, new Wards Island interim laboratory, and new interim water building.

Coney Island Wastewater Pollution Control Plant Upgrade, Brooklyn, NY. Assistant Resident Engineer for CI-19G/E/H/P, $20 million contracts to construct new recycle flow pump station and utilities.

Fresh Kills Landfill, Staten Island, NY, *New York City Department of Sanitation.* Construction Management Engineer responsible for performing the construction management of the closure of landfill sections. Responsibilities ranged from quality assurance manager to chief geosynthetic inspector. Involved in reviewing payment requests and construction methods and resolving nonconformance issues. Quality assurance activities dealt with a 40-millimeter high-density polyethylene (HDPE) geomembrane, drainage geocomposite, soil, and granular materials. Activities involved coordinating sampling and testing for preconstruction and conformance and preparing a certification report for the above items.

Landfill Closure, Van Buren, NY, *Town of Van Buren.* Site Superintendent responsible for scheduling, construction methods, labor supervision, change order proposals and negotiations, and payment requests.

Die Casting Remediation, Syracuse, NY. Superintendent responsible for scheduling, construction methods, labor supervision, change order proposals and negotiations, and payment requests.

Hazardous Waste Remediation Work, Various Locations, NY, *NYSDEC.* Provided work plan development, supervised field activities, and prepared technical reports for hazardous waste Phase 2 investigations and site remediation.

Owls Head Water Pollution Control Plant, Kings County, NY. Assistant Resident Engineer responsible for identifying construction problems and time constraints, supervising the inspection crew, and establishing complete details of field conditions. Reviewed shop drawings, report writing, record keeping, and payments and negotiated change orders.

Design Projects, Staten Island, NY. Responsible for the designs of sewage treatment plants, as well as storm and sanitary drainage for new housing developments. Provided consultation services and filing of plans, including New York City Department of Environmental Protection, State Pollution Discharge Elimination System, and Environmental Assessment Form applications in order to obtain approval and permits.

Chronological History of Employment

Gannett Fleming – 2010-Present
Malcolm Pirnie (now ARCADIS) – 1997-2010
FR Harris – 1996
SCS Engineers – 1995
Self-Employed – 1994
Metcalf and Eddy -1988-1993
Wohl and Omara – 1984-1988

ALFRED T. JOHNSON, PE

Assignment
Construction Manager/
Resident Engineer

Current Responsibilities

Mr. Johnson is a Construction Inspector with an extensive background in the planning, design, and construction management of civil and transportation construction projects. His responsibilities include contractor oversight, construction supervision, and coordination. He has also managed quality assurance/quality control (QA/QC) inspections, reviewed projects submittals and requests for information (RFI), and performed contract administration and closeout.

Years of Experience With Firm
2

With Other Firms
32

Education
B.S., Structural and Geotechnical Engineering, University of Hertfordshire, 1979

M.S., Transportation Engineering, New Jersey Institute of Technology, 1993

Professional Registrations
PE: New York – No. [redacted] (1997)

Traffic Control Coordinator: Rutgers, The State University of New Jersey (2013)

ACI Concrete Field Testing Technician - Grade I: No. [redacted] (2013)

Summary of Experience

3-Year Maintenance and Construction Inspection Agreement, Maintenance Movable Bridge and Tunnel Repair Contract 2013/14, DP# 13433 at Route 71 Shark River Bridge, Belmar, NJ, *NJDOT.* Construction Inspector responsible for the inspection of maintenance construction on the Shark River Bridge including but not limited to steel work and repair, concrete work and spall repair, and lane closure for maintenance and protection of traffic.

Region South Maintenance Term Agreement – Construction Inspection and Administration Services, Reconstruction, Rehabilitation, and Repaving of Route 30 Roadway From Grove Street to Brand Avenue (DP 13131), Camden County, NJ, *NJDOT.* Construction Inspector responsible for the inspection of roadway work on Route 30 between Grove Street and Brand Avenue. Roadway work included demolishing existing handicap ramps, aprons, and sidewalks and then rebuilding them to meet NJDOT standards and specifications; milling and repaving Route 30 between Grove Street and Brand Avenue; and closing lanes for maintenance and protection of traffic.

3-Year Maintenance and Construction Inspection Agreement, Pavement Preservation (DP 13420) on I-295 Northbound (NB) and Southbound (SB) Between Milepost (MP) 32.1 and MP 41.0 including Eastbound (EB) and Westbound (WB) Ramps Within the Limits in Camden and Burlington Counties, NJ, *NJDOT.* Construction Inspector responsible for the inspection of pavement preservation on I-295 NB and SB roadways from MP 32.1 to MP 41.0 including EB and WB ramps within the limits. Pavement preservation work included milling and paving sections of I-295 and some ramps; micro-milling and paving the remaining sections of I-295 and some ramps; repairing spalls on remaining ramps; replacing sections of head curbs, bicycle grates, and face plates along I-295 and ramps; fog-sealing sections of shoulder areas along I-295; and closing lanes for maintenance and protection of traffic.

Maintenance Movable Bridge and Tunnel Repair Contract 2012, DP No. 11406, Various Locations, NJ, *New Jersey Department of Transportation.* Construction Inspector responsible for the inspection of maintenance construction on the U.S. Route 130 Raccoon Creek Bridge, Bridgeport; U.S. Route 130 Oldmans Creek Bridge, Oldmans Township; NJ Route 50 Tuckahoe Creek Bridge, Tuckahoe; NJ Route 44 Mantua Creek Bridge, Paulsboro; NJ Route 7 Hackensack River, Wittpenn Bridge, Jersey City; NJ Route 71 Shark River

Bridge, Belmar; and NJ Route 29 Tunnel Bridge, Trenton. Maintenance construction work included steel work and repair, concrete work and spall repair, bridge deck joint repair, stress gauging and counterweight balancing, replacement of counterweight steel plates with lead blocks, lane closure for maintenance and protection of traffic, electrical installation and testing, bridge sheaves, and sidewalk repair.

New Construction and Rehabilitation on New Jersey Turnpike and Garden State Parkway, NJ, *NJTA.* Assistant Traffic Engineer responsible for reviewing new and rehabilitation construction plans and specifications to make certain they complied with safety and NJTA requirements and that daily traffic operations were not adversely affected.

Rock Slope Stabilization at George Washington Bridge Rock Cut Position, New York, NY, *Amtrak.* Construction Manager responsible for providing construction management services such as reports, progress status, safety oversight, claims management, specifications compliance, and contractor coordination services.

Various Projects and Work Orders, Queens Midtown Tunnel (QMT), Throgs Neck Bridge (TNB), and Bronx-Whitestone Bridge (BWB), New York, NY, *MTA Bridges and Tunnels.* Senior Resident Engineer/Construction Manager for the construction of an access roadway to Queens anchorage at the BWB. Projects also included traffic island reconfiguration, parking lot construction, and rehabilitation of pipe gallery tunnel, doors, and lighting systems at the QMT; concrete pier repairs and installation of new steel systems, such as railings, ladders, and cages, in the Bronx and Queens anchorages; and upgrade of E-ZPass power and communication systems at the TNB.

Reconstruction of West 72nd Street Station (Broadway and 7th Avenue Line), New York, NY, *Metropolitan Transit Authority.* Construction Manager involved in this station reconstruction project. The construction of the station included the realignment and reconstruction of more than 300 feet of existing subway tunnel and track, as well as construction of a new rehabilitation of an existing control building.

Bridge Deck Repairs and Resurfacing at Milepost (MP) 83 to MP 122 and the Newark Bay-Hudson County Extension, Middlesex, Union, Hudson, and Bergen Counties, NJ, *NJTA.* Senior Resident Engineer/Construction Manager responsible for reviewing cost and budget planning; overseeing quantity estimates and submittals of shop drawings, RFIs, and change orders; and reviewing and approving contractor's monthly requisitions and payments.

Chronological History of Employment

Gannett Fleming – 2012-Present
New Jersey Turnpike Authority – 2007-2012
Promatech, Inc. – 2000-2007
TAMS Consultants – 1996-2000
Ewell W. Finley – 1985-1996
Gilbert Commonwealth/Associates – 1980-1985

PETER ROLOFF, PE

Assignment
Construction Manager/
Resident Engineer

Years of Experience With Firm
1

With Other Firms
16

Education
B.S., Civil Engineering,
Union College, 1997

M.S. Environmental
Engineering,
Northeastern University, 1999

Professional Registrations
PE: New York – No. [redacted]
(2005)

Current Responsibilities

Mr. Roloff has more than 16 years of field inspection on a wide variety of transportation projects. He has been assigned as a Resident Engineer to the Borough of Manhattan for 7 years and has established a reputation as an outstanding Resident Engineer capable of handling the complex issues that are typically encountered in projects in Manhattan, such as work zone traffic control, utility interferences and relocation, maintaining quality-of-life for local residents and businesses, gaining an in-depth knowledge of subsurface city-owned and privately-owned utility layouts, managing and documenting changes in utility layout, working with other agencies, etc. Mr. Roloff possesses 9 years of direct experience on NYCDDC projects and 4 years of project management experience on NYCDDC projects with BMP work. He has a thorough understanding of NYCDDC/DEP/DOT policies, procedures, and specifications, and works proactively towards identifying and resolving issues that can potentially impede the project's progress.

Summary of Experience

MED-610 REI Services for the Trunk Water Mains at 8th Avenue in Manhattan, *NYCDDC.* Resident Engineer responsible for providing inspection, management and coordination for the $20M installation of trunk water mains in the West Village area, private utilities relocation and capital work at 8th Avenue from West 12th Street to West 13th Street to connect Shaft 27B (Water Tunnel #3) to the distribution system in Manhattan. Elements of work include installation of various diameter (36", 48") steel trunk water main and DIP water mains (20", 12", 8"), 16" DIP combined sewers, rehabilitation of 4' – 0" x 2' -8" elliptical sewers, catch-basins, connections, manholes, 4" and 7" pigmented and non-pigmented sidewalks and pedestrian ramps, concrete, steel-faced and granite curb, roadway rehabilitation (3" asphalt over concrete base), street and traffic lights, street and traffic signs, tree mitigation and planting. The project site presents major challenges such as Traffic Management, Community Outreach, Construction and Utilities Management.

Resident Engineering Inspection Services For The Cobblestone Reconstruction Of Peck Slip, Manhattan, *NYCDDC.* Resident Engineer for the Cobblestone Reconstruction of Peck Slip in Manhattan. The project is located within a densely populated residential and commercial neighborhood with extremely congested vehicular and pedestrian traffic; requiring a high level of vigilance to ensure that local businesses, residents and other stakeholders are protected and that their concerns are properly addressed, and in a timely manner. Work involves: special care excavation for archaeological work, relocation of several utility interferences and retrofitting of existing utilities, installation of 20" and 12" water mains, catch-basins and sewer connections, manholes, mass excavation, 15" ESVP and 16" DIP sewers, granite curb, pigmented and non-pigmented sidewalks and pedestrian ramps, concrete, steel-faced and granite curbs, working within a historic district, reconstruction of cobblestone roadway, working with SCA while they converted an old post office (Peck Slip Station) to a school, construction of an park between Front Street and South Street on Peck Slip, special street appurtenances/hardware, installation of telecommunication facilities.

Reconstruction of Beekman Street and Park Place in Manhattan (HWMWTCA6E), *NYCDDC.* Resident Engineer on this $14.6M Contractor-Utilities joint bid project which includes a full reconstruction of Beekman St. from Gold St. to Park Row and Park Place from W. Broadway to Broadway. Work involves installation of Con Edison, ECS, Time Warner facilities as well as replacement/ installation of various diameter (24", 20", 18" and 15") combined sewer and type 2 and 3 catch basins; 20" water main; Lower Manhattan distinctive street and traffic lightings; installation of new granite curbs; sidewalks and pedestrian ramps (pigmented and non-pigmented), removal of trolley tracks and yokes, mass excavation, installation of bus pads; 3" thick curb-to-curb asphalt on 9" thick concrete base roadways; pavement marking and street/traffic signage.

Sewer and Water Main Infrastructure Projects on Staten Island, *NYCDDC.* Resident Engineer for the construction of water mains, storm and sanitary sewers, and coordination with private utilities. Specific project experience includes storm sewer mains, new sanitary sewers, water main replacement, pile driving and road reconstruction in high traffic roadways. Projects include:

- **Catch Basins at Various Locations, Staten Island SER-002278,** *NYCDDC.* ($1.1M)
- **Installation of Storm and Sanitary Sewers and Replacement of Water Mains in Ridgecrest Avenue, Staten Island,** *NYCDDC.* ($4.1M)
- **Installation of Storm and Sanitary Sewers and Replacement of Water Mains in Flint Street, Staten Island, SER-200187,** *NYCDDC.* ($1.8M)

Stormwater Management Projects on Staten Island, *NYCDEP.* Project Engineer for projects with New York City Department of Environmental Protection and Department of Design and Construction. Project size ranges from $5M to $23M. Specific project experience included construction management, inspection, project scheduling, construction cost estimates, shop drawings and payments. Responsibilities included direct negotiations with contractors and scheduling and heading project progress meetings. Projects include:

- **Installation of Storm and Sanitary Sewers, Replacement of Water Mains and Best Management Practices in Clermont Avenue, Staten Island, SE-763,** *NYCDDC.* ($23M)
- **Installation of Storm Sewers and Best Management Practices in Edgegrove Avenue, Staten Island, SER-20088,** *NYCDDC.* **($6M)**
- **Installation of Storm and Sanitary Sewers, Replacement of Water Mains and Best Management Practices in Lenevar Avenue, Staten Island, SE-769**, *NYCDDC.* ($16M)
- **Installation of Storm and Sanitary Sewers, Replacement of Water Mains and Best Management Practices in Arbutus Avenue, Staten Island, SE-759,** *NYCDDC.* ($18M)

Chronological History of Employment

Tectonic – 2013-Present
NYCDDC – 2005-2012
NYCDEP – 2002-2005
City of Newtown, MA – 1999-2002
Massachusetts Water Resources Authority/Wastewater Dept. – 1997-1999

EDWARD G. O'LEARY, PE

Assignment
Construction Manager/
Resident Engineer

Years of Experience With Firm
5

With Other Firms
28

Education
B.E., Civil Engineering, Cooper Union, 1974

M.S., Transportation Planning and Engineering, Polytechnic Institute of New York, 1977

Professional Registrations
PE: New York – No. [redacted] (1983)

NYSDOT Construction Work Zone Safety Course

Current Responsibilities

Mr. O'Leary possesses over 35 years of experience in civil highway and bridge projects gained in the Metro New York area (Route 9A for NYSDOT) as well as in NYSDOT Region 8 where he was an Area Supervisor. He has handled in excess of $500 million in construction work, and has been assigned as Resident Engineer with Tectonic Engineering for the past 8 years, where he has performed his duties with distinction for a variety of clients. Mr. O'Leary is capable of managing infrastructure construction contracts with relative ease, and has a clear understanding of the work at hand, required paperwork, payment procedures, correspondence, submittal tracking, schedule managing, including identifying potential delays and proposing remedial action, and preparing change orders.

Summary of Experience

Construction Division, Poughkeepsie, NY, *NYSDOT.* Construction Supervisor responsible for the management, contract administration and coordination of over fifty construction projects in Westchester County. Duties included assignment, supervision, and monitoring and evaluating the performance of six to eight engineers –in charge, ten to twelve state inspectors and forty to fifty consultant project engineers and construction inspectors assigned to the various contracts. Additional responsibilities included the oversight of the regional geotechnical group, whose tasks included the design and materials testing and approvals related to earthwork throughout the region.

D258235 - Route 22 Bridge over Muscoot Reservoir, *NYSDOT.* This $7.3M project included the placement of a prestessed concrete bridge over the reservoir and the reconstruction of the pavement and roadway widening of Routes 22 and 35 in the vicinity of the bridge. This contract also included new traffic signals, signs, guide rail, drainage facilities and the construction of detention basins to protect the reservoirs from sediment due to runoff.

D259801 - Replacement of Memorial Highway and Division Street Bridges over I-95 and the Metro-North Railroad, *NYSDOT.* This $23M project included the staged demolition of three existing bridges, the replacement of two two-span continuous type bridges and one simple-span bridge and the rehabilitation of one bridge. Also included in this contract was the reconstruction of adjacent roadways and a considerable amount of private and public utility relocations and replacements. Extensive coordination was required with the Metro-North Railroad, the New York State Thruway Authority, the City of New Rochelle, United Water, Verizon and Con Edison.

D258972 - Cross-Westchester Expressway (I-287) Reconstruction Stage 2, *NYSDOT.* This $81M project included the staged construction of four new bridges, the rehabilitation of three existing bridges, the rehabilitation of twenty-four lane-miles of pavement and the construction of eight miles of new pavement. This project also included over three miles of retaining wall and noise wall construction. In addition, this project involved the construction of sign structures, guide rail, traffic signals, ITS facilities, drainage facilities, waterlines, gas lines and electrical lines. Extensive coordination was required with the New York

State Thruway Authority, Town of Elmsford, Town of Greenburgh, Westchester County, Tennessee Gas Pipeline, Verizon and Con Edison.

D258924 - Taconic State Parkway Reconstruction Stage 2, *NYSDOT.* This $62M project encompassed the expansion of the TSP from four lanes to six lanes in the Town of Yorktown. The project included the construction of fourteen lane-miles of new pavement and extensive earthwork to raise the elevation of the Parkway. In addition, the construction of four new vehicular bridges and a pedestrian bridge was accomplished. Also included were retaining walls and noise walls, drainage work, temporary waterway diversions, sign structures, ITS facilities traffic signals, guiderail, curb, and the establishment of wetlands and hiking trails. This project is located within the NYC watershed area so it was necessary to incorporate considerable erosion and sediment control measures throughout the course of the project. Coordination was required with the Town of Yorktown, Con Edison, Verizon and the Algonquin Gas Pipeline.

D258286 - Cross-Westchester Expressway (I-287) Reconstruction Stage 2A, *NYSDOT.* This $41M project included the staged construction of four new bridges and the reconstruction of twelve lane-miles of pavement. This contract also included extensive rock blasting, retaining walls, noise walls, sign structures, ITS facilities, traffic signals, drainage facilities, water mains, gas lines and electrical lines. Extensive coordination was required with the New York State Thruway Authority, the Town of Greenburgh, Verizon and Con Edison.

D258528 - Route 22 Bridge over Rye Lake Rehabilitation, *NYSDOT.* This $9.4M project replaced the existing bearings and transverse steel stringers and installed an Exothermic deck system and micro silica overlay. The work was done at night by utilizing a temporary bridge that was removed and re-installed on a daily basis to keep the bridge in service during the day. Additional work included concrete repairs on the substructure, the installation of an oil-water separator, bridge rail, guide rail, traffic signs, drainage work and resurfacing of the bridge approaches. Extensive coordination was required with the New York City Department of Environmental Protection and the Town of North Castle.

D260380 - Bridge Rehabilitation- 16 Bridges, *NYSDOT.* This $5.3M project included the reconstruction of monolithic decks, concrete substructure and superstructure repairs, bridge bearings, bridge rail, guide rail, bridge joint systems, sidewalk and curb. The work was performed at various project locations throughout Westchester County.

D259249 - Wilmot Road Reconstruction, *NYSDOT.* This $3.8M project involved the removal and replacement of six lane miles of asphaltic concrete together with new sidewalks, granite curbs and retaining walls. A new drainage system was constructed which included the staged construction of a major drainage line across the Hutchinson River Parkway. New traffic signals and sign structures were erected. There were extensive relocations of existing overhead and underground electrical and telephone lines. Extensive coordination was required with the City of New Rochelle, Con Edison and Verizon.

D258915 - Bridge Rehabilitation- Five Bridges, *NYSDOT.* This $3.7M project included the rehabilitation of five bridges on Route 9A and the Taconic State Parkway in Westchester County. The work included the reconstruction of monolithic decks, concrete repairs to substructures and superstructures, the painting of structural steel, bridge bearings, bridge rail, guide rail, bridge joint systems, sidewalk and curb.

Chronological History of Employment

Tectonic – 2008-Present
NYSDOT – 1995-2008

PARTHA C. SAHA, PE

Current Responsibilities

Mr. Saha is a Construction Manager with an extensive range of mechanical and structural experience, and is knowledgeable of diesel engines, hydraulic systems, electrical ac and dc, refrigeration, steam boilers, CNC plasma table, decorative and structural steel/aluminum metal fabrication.

Assignment
Construction Manager

Years of Experience With Firm
<1

With Other Firms
4.5

Education
B.S., Mechanical Engineering, University of Engineering and Technology

M.S., Mechanical Engineering, City College of the City University of New York

Professional Registrations
PE: New York – No. [redacted]
Connecticut – No. [redacted]

Summary of Experience

Special Inspection and Laboratory Testing Services SCA09-00013R [C11275], New York City, NY, *NYCSCA.* Provided inspection services for a two year term contract. Ensured both the quality of work performed by construction contractors and their subcontractors, as well as compliance with all applicable laws, regulations, codes, requirements etc. Assignments included: PS178 and John F. Kennedy High School.

Retainer Contract for Inspection Services at Various Locations throughout NYC, Contract No. 47580001, Various Locations, New York City, NY, *NYCEDC.* Tectonic is providing on-call construction inspection services at various locations throughout NYC.

Dynamic Structures Inc.733 Yonkers Avenue, Yonkers, NY.
Construction Project Manager whose duties and responsibilities who:

- Estimated and created budgets for construction projects.
- Oversaw all on-site project activity to ensure projects are completed on schedule, within budget, and in accordance with engineering design.
- Performed inspection of construction activities to ensure conformance with approved designs/plans.
- Scheduled client meetings, conducted needs assessment, explained design concerns and cost effective options, planned, estimated and manage the projects from start to finish.
- Approved sub-contractor and vendor invoices.
- Ensured that construction plans are in agreement with customer expectations and identify points at which contractual obligations will have been met.
- Reviewed engineering designs, drawings, blueprints, and other related engineering documents to identify potential problems ahead of time and proactively implement solutions.
- Took corrective action as needed during projects and/or consulted with construction project manager to resolve issues arising during projects.
- Prepared site inspection/oversight reports documenting the progress to date.
- Scheduled inspections
- Coordinated proposed changes in design with consultants and construction manager while maintaining schedule and budget.

Environment Systems Inc. Assistant Engineer/Construction Inspector and Draft Person who:

- Worked with senior engineer to assist project encompassed the management of the entire construction process from submittal approval to commissioning of plumbing, HVAC, Building Management and Temperature control System and Mechanical systems. Field engineering and equipment selection of various components. Coordination of work with other contracts including schedule development and payment controls.
- Performed inspection work for Structural Safety-Structural Stability, Structural Steel –Welding, Structural Steel – Erection and Bolting, Exterior insulation finish systems(EIFS), Excavation work – (Sheeting, Shoring, and Bracing), Smoke control systems, Fire alarm test, Mechanical system, Mechanical demolition, Sprinkler systems, Stand pipe systems, Heating systems, Fire Stop, Suspended scaffold, Steel pipe scaffold, Platforms constructions and attachments to the steel and concrete platforms. Supervised concrete and foundations work ensuring contractor compliance to quality and safety issues of the projects. Also involved in developing test documentation and preparation of daily job reports.
- Worked with senior engineers to design Building management System (Network Architecture diagram, BACNET MS/TP Network loop, CP I-LON control wiring diagram, Power meter/monitor control wiring diagram, FCU,RTU air flow and control wiring diagram, Reheat flow and control wiring diagram, Control Panel layout, Equipment schedule), design of HVAC, Sprinkler system, heating and cooling load calculation and drafting. Used AutoCAD as a design tool.

Projects included: All City Leadership Secondary School. New Building Project, 321 Palmetto street, Brooklyn, NY 11237, Fulton street terminal, Grand central terminal for MTA City transit authority.

Edward Dickman Architectural Company, Great Neck, Long Island, NY. Mechanical Engineer/Construction Inspector whose responsibilities included construction inspection of reinforced concrete lintel attachment to the building structural steel. As per site safety plan the contractor complied with the quantity and safety issues of the projects. Prepared daily construction inspection reports. Involved in the design of HVAC, load calculation, Sprinkler system, Electrical Layout. Conducted scheduling meeting with government agencies, coordinated work with contractors and review cost proposals. Prepared technical reports and scope of work for engineering projects, construction cost estimation and assisted the other members of the project team. Responsible for CADD Design work of various building projects for Architectural and Civil drawing (Including Floor plan, Elevation, Sections according to NYS Building code).Used AutoCAD as a design tool.

Xenon Company, Edison, NJ. Junior Mechanical Engineer whose duties and responsibilities involved the design of HVAC, load calculation, Sprinkler system, Electrical Layout, reviewed Architectural and civil drawing and assisted the senior Engineers in a team. Used AutoCAD for detailed drafting.

Chronological History of Employment

Tectonic – 2013-Present
Dynamic Structures Inc. – 2011-2012
Environment Systems Inc. – 2011
Edward Dickman Architectural Company – 2007-2009
Xenon Company – 2006-2007
Borough Manhattan Community College, CUNY – 2009-Present

RAYMOND W. CHOLEWKA, PE

Assignment
Resident Engineer

Years of Experience With Firm
2

With Other Firms
40

Education
B.S., Civil Engineering, The Cooper Union, NYC

Graduate Geotechnical Studies, Carnegie Mellon University, Pittsburgh PA

Professional Registrations
Professional Engineer:
New York, New Jersey, Connecticut

Current Responsibilities

Mr. Cholewka is a Resident Engineer for KS Engineers in New Jersey and New York. He provides engineering services for construction management of major transportation and wastewater projects, with special emphasis on bridge construction and rehabilitation projects for the NYSDOT, NYCDOT, and ConnDOT Highways and Bridges.

Summary of Experience

Bollard Project at Newark-Liberty, John F. Kennedy, and LaGuardia Airports, New York, NY and Newark, NJ, *PANYNJ*. Resident Engineer. Supervised construction of crash barriers on the Port Authority Bollard Project at three major NYC Airports. The work involved constructability reviews and bid package preparations for 12 separate contracts plus construction management of two individual contracts at La Guardia Airport (Terminals C & D).

15th Avenue Bridge over Sea Beach Line, Brooklyn, NY, *NYCDOT*. Resident Engineer. Supervised repair of cracked deck and sidewalk on 4 span 15th Avenue Bridge over Sea Beach Line (N Train) for the NYCDOT in Brooklyn, NY. Work included installation of micro silica concrete overlay on milled sidewalks and application of epoxy resin sealer to penetrate and fill cracks in precast post-tensioned piers. Attended safety training for MTA-NYC Transit Track Safety Certification. Worked closely with NYC Transit Inspectors & Flagmen at 18th Ave. & New Utrecht Ave. Subway Stations during General Outages.

New Croton Aqueduct (NCA) Rehabilitation Project, New York, *NYCDEP*. CM Site Safety Officer. Successfully reduced the accident rate by promoting compliance by the CM field inspection staff and the Contractor's work force with their respective Health and Safety Plans (HASP) for this $100 Million unique repair project. Updated the CM HASP and reviewed job hazard analyses for all major work activities. Participated in routine safety audits conducted by BEDC EHS representatives and documented all significant safety and environmental incidents with independent reports that identified root causes and recommended corrective actions.

Interstate 86 Upgrade of Route 17, Orange County, NY, *NYSDOT*. Resident Engineer. Supervised 12 inspectors and field office staff providing construction inspection services for the $65 Million Interstate 86 upgrade of Route 17 in Orange County for the NYSDOT (Region 8). This 9 mile stretch of highway from Exit 116 to Exit 121 at Middletown was successfully rehabilitated on time by using Primavera P6 software for schedule control. Sections of roadway were milled, rubblized, and resurfaced, including a 4 mile section with full depth reconstruction. Three bridges underwent various repairs and upgrades including replacement of concrete deck, back walls, pedestals, and bearings. Also supervised the construction of a new multi-steel girder bridge carrying Route 17 over a future Town of Wallkill connecting road between two shopping centers in Middletown. Environmental considerations mandated the construction of 6 wetland mitigation areas on project. Work involved coordination with Metro North RR personnel for the rehabilitation of an existing bridge carrying Route 17 over the Port Jervis Commuter RR line.

Bowery Bay Water Pollution Control Plant, New York, *NYCDEP*. Resident Engineer. Supervised a field staff of 12 inspectors during construction for the upgrade of the NYCDEP Bowery Bay Water Pollution Control Plant. This $200 Million project included construction of new process air headers for aeration tanks, installation of 5 new process air blowers, replacement of sluice gates and actuators for the final settling tanks and installation of new influent bar screens. In addition, successfully reconstructed concrete tanks, provided mini-pile foundations for temporary blowers and performed lead paint abatement for the removal of old piping and other hazardous waste material, following OSHA guidelines and procedures.

I-95 Rehabilitation, Bridgeport, CT, *ConnDOT*. Resident Engineer. Coordinated and managed 18 inspectors and office staff involved in the supervision of construction for 7 replacement bridges along a mile long section of Interstate I-95 in southern Connecticut. Work included temporary sheet piling with tie-back anchor installations, reinforced-earth retaining walls, 8' diameter drilled shaft caissons, post-tensioned pier cap beams as well as curved steel girder erection, and placement of concrete for new abutments, wingwalls and bridge decks. This $122 Million, six-year ConnDOT project required management of hazardous waste materials and other environmental concerns encountered along this heavily traveled transportation corridor. Work involved extensive coordination with Metro North Railroad flagmen and power division personnel for 4 track outages necessary during existing bridge removal and new steel girder erection over catenary power cables of the New Haven Commuter RR line.

Chronological History of Employment

KS Engineers, P.C. – 2012 - Present
URS Corporation – 2011
TECTONIC Engineering Consultants, P.C. – 2009 - 2010
AECOM, Inc. – 1998 - 2008
HAKS Engineers, P.C. – 1996 - 1998
Berger, Lehman Associates, P.C. – 1990 - 1995
Hazen & Sawyer – 1986 - 1990
Storch Engineers – 1985 - 1986
Hardesty & Hanover – 1982 - 1985
Leonard S. Wegman Co., Inc. – 1981 - 1982
Vollmer Associates – 1979 -1981
Tippetts-Abbett-McCarthy-Stratton – 1978 - 1979
Mueser, Rutledge – 1969 - 1978

ATTEF (AL) Z. FARAG, PE

Assignment
Resident Engineer

Years of Experience With Firm
12

With Other Firms
12

Education
B.S., Civil Engineering, Ain-Shams University, Egypt, 1978

Professional Registrations
PE: New York – No. [redacted]

Current Responsibilities

Mr. Farag is a Resident Engineer for Civil Engineering for KS Engineers in New Jersey and New York. His responsibilities include resident engineering inspection and project management, construction supervision, preparation of reports, project evaluations, clarification of DDC policies and procedures, negotiation of change orders, clarification of technical construction details, processing of payments, and punchlist and project close-out. He has performed QA/QC functions on various projects, prepared proposals for additional work, and worked with inspectors to both upgrade and maintain their skills.

Summary of Experience

SEX20045, Resident Engineering Inspection Services for Storm Sewer in Waterbury Avenue, Borough of the Bronx, *NYCDDC.* Resident Engineer responsible for providing resident engineering services for the construction of storm sewers in Waterbury Avenue and its vicinity in the Bronx. Work includes new storm, sanitary and combined sewers to be installed in several street locations. The project site is bounded by Waterbury Avenue to the north, Stadium Avenue to the east, Layton Avenue to the south and Throgmorton Avenue to the west. Various diameters of 10" ESVP to 36" RCP sewers will be installed. Sewers will be constructed on concrete cradles or encased in concrete. Some sewers will be relined using a DEP approved method of lining existing sewers. The project also includes reconnecting existing house sewer lines to the newly installed sewers. New water mains are also to be installed as part of this project. The new mains will be 8" or 12" diameter restrained joint ductile iron pipe. Water main work will include new fire hydrants, main line valves, valve boxes and any other appurtenances associated with the existing water mains. Trench and/or street restoration will be included in the project. Some streets, depending upon existing conditions, may have to be reconstructed. New curbs and sidewalks that are disturbed during construction, will be replaced as needed.

HWMWTCA7A, Resident Engineering Inspection Services for the Reconstruction of Harrison Street, Borough of Manhattan, NY, *NYCDDC.* Resident Engineer responsible for this $18 million project that of involves the construction of water mains; construction of sewers, catch basins and chute connections; utility construction and relocation. Work include construction of new curbs and sidewalks; roadway reconstruction, installation of street lighting and traffic signals; and landscaping.

MED-595, Installation of Trunk Water Mains in Astor Place and Cooper Square, Manhattan, NY, *NYCDDC.* Resident Engineer responsible for this $11.6 million project that includes the installation of 12" & 20" water distribution mains, new butterfly valves, valve and connection chambers, blowoff valves and chambers, flowmeters with chambers, access manholes with chambers, and modifications within shaft 19. In addition, new 30", 36" and 48" steel trunk water mains to interconnect Shaft 31B from City Tunnel #2 at East 4th Street, to Shaft 19 from City Tunnel #1 at Cooper Square. New 24" DIP will also connect new 24" regulator valves to the new trunk water mains.

REI Services for HW2CR08, REI Services for Citywide Involving Grinding Existing Asphaltic Concrete Wearing Course, Manhattan and The Bronx, NY, *NYCDDC.* Resident Engineer responsible for this $7.5 million project, responsible for resident engineering inspection services of grinding existing asphaltic concrete wearing courses on a task order basis in Manhattan and the Borough of New York City. Inspection services for the project includes: site maintenance and safety; Post "No Parking" signs 48 hours in advance; protection of trees from construction debris; marked out all hardware to avoid any damage during milling operations; saw cutting around the hardware and at intersections; placing plates over catch basins to void any debris from falling into basins; milling 2" of existing asphalt; sweeper used behind milling machine to clean up the debris; ramping of all hardware with temporary asphalt; and adjusted all hardware.

Reconstruction of 10th Avenue from 206th Street to 218th Street, Manhattan, NY, *NYCDDC.* Resident Engineer for this project that won the 2009 ACEC New York GOLD Award for Engineering Excellence. Project entails new sewer construction and rehabilitation of existing sewers using lining method, construction of 36" steel water mains in addition to 20" & 12" water main network. It also includes curb and sidewalk construction, sidewalk assessment, streetlight and traffic work, roadway paving, arboriculture and traffic protection. The work also involves new 45"x29" elliptical RCP sewer lines, catch basins, chute connection, manholes, paving with concrete base and asphalt wearing course and landscaping. All construction activities are done with coordination with TA since train elevated tracks are running along the project location.

D010292, Construction Inspection Services for Reconstruction & Restoration of Brooklyn-Queens Expressway, Queens, NY, *NYSDOT.* Deputy Project Manager responsible for providing construction inspection and technical support services for 8 lane-miles of roadway excavation and reconstruction with horizontal and vertical realignments and drainage installation. This project also included replacement or rehabilitation of 17 vehicular bridges, replacement or rehabilitation of 2 railroad bridges, extensive retaining wall reconstruction and soil stabilization along the right-of-way, extensive utility improvements/relocations for both NYC and privately-owned facilities, TSM/ITS installations, and extensive MPT was involved to ensure that traffic was maintained.

CI Bruckner Expressway Reconstruction (T.N.E.) Pelham Parkway, Bronx County, NY, *NYSDOT Region 11.* Deputy Project Manager responsible for providing construction inspection services for this project involving the reconstruction of a 1½ mile section of the Bruckner Expressway from the Throgs Neck Expressway interchange, at the southern end, to Pelham Parkway exit, at the northern end. Work included the replacement of an existing pavement with a new 50-year concrete pavement structure (excavation, placement of subbase, subgrade and new concrete roadway), an addition of new flush full-depth concrete shoulders, replacement of barrier, replacement of guide rails, new drainage, overhead signage, new street lighting, new pavement markers, and landscaping.

Chronological History of Employment

KS Engineers, P.C. – 5/2002 - Present
The RBA Group – 08/1990 - 05/2002

CARL H. ORTMANN, PE

Assignment
Resident Engineer

Years of Experience With Firm
2

With Other Firms
22

Education
M.S., Civil Engineering, Manhattan College, Bronx, NY, 1985

B.S., Civil Engineering, Manhattan College, Bronx, NY, 1980

Professional Registrations
Professional Engineer - NY and CT

Current Responsibilities

Mr. Ortmann is a Resident Engineer for Structural Engineering for KS Engineers in New Jersey and New York. He provides engineering services for major bridge and highway projects, building foundations, power plants, and transit structures. He provides on-site administrative and technical supervision on heavy construction projects, directs multi-trade craft work forces, and determines methods of construction, manpower levels, material quantities, equipment, temporary facilities and work schedules. In addition, he supervises construction activities, materials and equipment received for compliance with company directives, contract drawings, specifications, approved submittals and standards of accuracy.

Summary of Experience

George Washington Bridge Lower Level, New York, *PANYNJ*. Team leader for the Priority, Safety and Routine Verification inspection of the lower level including the lower level roadway and framing, the bottom chord of the stiffening truss, the New Jersey abutment and New York anchorage, and the travelers including their support framing and connections. The purpose of this inspection was to determine the overall condition of the lower level structure and to identify structural and non-structural deficiencies.

Center Avenue Bridge over the Upper and Lower Approaches to the George Washington Bridge, NJ, *PANYNJ*. – Team leader for the inspection and verification of the existing condition of the bridge elements including the roadway, superstructure, substructure and appurtenances to determine the rehabilitation or replacement design options.

Contract D261292 I-278 Staten Island Expressway Improvements, Staten Island, NY, *NYSDOT*. - Senior Project Manager providing on-site project management for the $74.8 million I-278 Staten Island Expressway Improvement Project including 2.78 Km of asphalt and concrete highway reconstruction including the demolition and widening of three (3) bridges with precast concrete deck units and the construction of a new on-ramp using precast concrete deck units. Maintenance of site storm water run-off and implementing compliance with the environmental protection requirements for Brady's Pond. Installation of new drainage systems, new roadway lighting and ITS installations. Maintenance and protection of traffic included 4 stages of construction.

World Trade Center, Tower 1, Manhattan, NY. Project Manager for the $40 million construction of the 120,000 SF foundation for Tower 1 including rock excavation, support of excavation, drilling and grouting of rock anchors, placement of reinforcing steel and concrete for the core, building perimeter footings, slab on grade. Coordination with the PATH and Port Authority Resident Engineer's Office personnel.

Reconstruction of West 72nd Street Station, NY, *MTA NYC Transit*. Project Manager for the $35 million completion of the renovation and restoration of the existing landmark station house, construction of a new station building including installation of elevators, lengthening of both existing platforms, complete electrical upgrade including new station lighting, floor and wall finishes, and expansion of Verdi Park pedestrian plaza. Coordination of over 40 subcontractors and suppliers.

New York Post Port Morris Printing Facility, Bronx, NY. Project Manager for the $22 million demolition and replacement of reinforced concrete 2nd floor inserting area in stages while newspaper production maintained. Erection of structural steel to reinforce existing 80 foot long floor trusses.

Astoria Energy Power Plant, Phase 1, Astoria, NY. Project Manager for the $9 million installation of structural steel support structure, unloading from barges and erection of 12 modular air cooled condensers weighing 280 tons each, erection of steam duct and riser sections weighing up to 60 tons and miscellaneous mechanical equipment. Reviewed and submittal of crane placement and erection plans.

Newark International Airport Parking Structure, Newark, NJ, *PANYNJ.* Project Superintendent for the 485 million construction of a six-level parking structure including erection of steel columns and support beams, erection of prestressed concrete double tee deck units, cast in place double threaded reinforced concrete helix access ramps. Installation of elevator shafts and elevators, site work, electrical work, erection of a prestressed concrete 3 span bridge and approach roadways, parking lot, entry and exit plazas and canopies in Parking Lot E. Coordination of subcontractors and suppliers.

Triborough Bridge Randall's Island Junction Structure and Bronx Truss over the Bronx Kill, NY, *MTA TBTA.* Assistant Resident Engineer for this $145 million project including the Bronx Truss that has a main span of 383 feet and a total length of 1,217 feet. Project work included demolition of the existing substructure and superstructure on the Bronx Approach and replacement with new cast in place concrete substructure with precast concrete deck panels. The Bronx Truss reinforced concrete deck was removed and replaced with steel orthotropic deck panels on the Bronx Truss. Inverset deck panels were placed on the Queens-Bronx Mainline, and curved welded plate girders with composite reinforced concrete deck for the Junction Structure ramps. A full length construction shield provided debris collection and fall protection for the workers, mariners and the Bronx Kill. Multiple construction stages with extensive Maintenance and Protection of Traffic (MPT) Plans to maintain vehicular traffic and toll revenue for the facility. Project constructed in accordance with NYSDOT's construction specifications.

Replacement of Bridge Nos. 00343, 04864, 04866, in Guilford, CT, *ConnDOT.* Resident Engineer for the $3 million replacement of Route 1 Bridge over the West River with 104 foot prestressed concrete box beams on new concrete abutments with bituminous concrete approaches.

Chronological History of Employment

KS Engineers, P.C. – 2012 - Present
The Laquila Group, Inc. – 02006 - 2011
Francis A. Lee Company – 02004 - 02006
Nab Construction – 2000 - 02004
AECOM – 1995 - 2000
Parsons Transportation Group – 1989 - 1995

RICHARD K. WILLE, CDT

Assignment
Cost Estimator

Years of Experience With Firm
1

With Other Firms
20

Education
B.A., Business Management, Elizabethtown College, 1997

Professional Registrations
Construction Documents Technologist (CDT): Construction Specifications Institute (2004)

Current Responsibilities

Mr. Wille is a Cost Estimator responsible for development of preliminary and final construction cost estimates for various highway and bridge projects. He integrates the cost estimate with the project schedule to make sure that the estimate accurately reflects the cost of construction. He estimates account for project location, accessibility, available work and staging areas, work-hour restrictions, maintenance of rail and/or vehicular operations, phasing requirements, local wage rates, mobilization costs, perceived liability, similar construction volume in the area, and subcontracted work.

Summary of Experience

Con Edison, CNG Upgrades and Storm Hardening Design, Eastview Service Center, NY. Cost Estimator for the modernization and storm hardening of the CNG, diesel and gasoline fueling systems at the Eastview Service Center. The project consists of the removal and replacement of CNG equipment, including compressor skid, storage cylinders, scrubber and fuel dispensing system; removal and replacement of underground diesel and gasoline storage tanks; fuel dispensers and associated controls, lighting and power feeds. Core Issues include: the removal of existing underground tanks in light of excavation activity in close proximity to the existing buildings, excavation and installation of new fuel tanks at the site with higher water table, and installation of new flood sensitive equipment at levels above the Advisory Base Flood Elevation.

Delaware River Port Authority, Port Authority Transit Corporation (PATCO) Elevator Design and Construction Administration Services, South Jersey, NJ. Cost Estimator for this project where Gannett Fleming is providing design and construction administration services for the installation of eight elevators in six existing Port Authority Transit Corporation stations for the Delaware River Port Authority in New Jersey.

County of Lackawanna Transit System (COLTS), Transportation Center – Planning and Preliminary Design, Scranton, PA. Cost Estimator for this project where Gannett Fleming is conducting a planning study and providing preliminary design services for the proposed COLTS transportation center in Scranton. The primary challenge concerning the site planning and design is accommodating a bus terminal building, bus docking facilities, and associated parking on a 2-acre site.

PreConstruction Management, Inc., Camp Hill, PA. President/Founder of a preconstruction services firm specializing in conceptual estimating, construction cost estimating, value engineering, project scheduling, constructability reviews, and procurement strategies. Clientele includes architects, engineers, and facility owners.

Alexander Building Construction, Preconstruction Services, Harrisburg, PA. Manager/Member of the executive management team responsible for the leadership, strategic direction, and senior management of the firm. Responsible for all preconstruction activities including construction management, acquisition of hard-bid projects, and preconstruction consulting. Managed the preconstruction activities of estimators, project managers, project assistants, and contract administrators in two offices.

R.S. Mowery & Sons, Inc., Carlisle, PA. Senior Estimator responsible for conceptual estimating, bidding, and purchasing of design-build and hard-bid projects valued to $45 million. Design-build projects included a $14.4 million ABF truck terminal expansion and a $2 million natatorium/aerobics facility.

Lobar, Inc., Dillsburg, PA. Senior Estimator responsible for conceptual estimating, negotiating, bidding, and purchasing projects valued to $55 million. Acquired a variety of projects including the firm's largest school contract ($16 million) to that time, school additions and renovations, a vo-tech school, military quarters, a U.S. Army Corps of Engineer's visitors' center, prison additions and renovations, and commercial additions and renovations. Acquired and implemented a military job order contract worth $40 million over 5 years. Designed and implemented a subcontractor/supplier database system. Contracts acquired in fiscal year 1997/8 exceeded $30 million.

Chronological History of Employment

Gannett Fleming – 2014-Present
PreConstruction Management, Inc., Camp Hill, PA – 2008-Present
Alexander Building Construction, Preconstruction Services, Harrisburg, PA – 2000-2008
R.S. Mowery & Sons, Inc., Carlisle, PA – 1999-2000
Lobar, Inc., Dillsburg, PA – 1993-1999

GREGORY L. PAQUIN

Assignment
Cost Estimator

Years of Experience With Firm
10

With Other Firms
15

Education
B.S., Civil Engineering, Roger Williams College, 1989

Professional Registrations
Certified Troxler Nuclear Density Gauge Operator - No. 30022 (1990)

NICET IV - Highway Construction: No. [redacted] (2000)

Current Responsibilities

Mr. Paquin is a Senior Inspector responsible for contract administration and the technical inspection of transportation facility, highway, and bridge construction projects.

Summary of Experience

New Britain-Hartford Busway, Contract 3, West Hartford, CT, *ConnDOT.* Construction Manager/Lead Construction Estimator responsible for negotiating with the prime contractor for review of major change orders and construction claims by use of heavy civil and facility construction estimating techniques to prove appropriate construction methods and value in change orders.

Reconstruction of I-95 Over Bridgeport Harbor, Bridgeport, CT, *ConnDOT.* Senior Inspector/Resident Engineer responsible for overseeing construction and the technical inspection of the bridge substructure over both land and water. Work included the construction of cofferdams, the excavation of materials causing environmental concern, the construction of bearing piles and pier substructures, the post-tensioning of pier caps, and the installation of caissons. In addition, the project involved girder jacking over Metro-North Railroad tracks, superstructure girder erection, and the construction of lightweight concrete bridge decks. Also reviewed Primavera schedules and change orders.

On-Call Construction Engineering Contract, Southwestern CT, *ConnDOT, District 3, Office of Construction.* Assistant District Environmental Coordinator responsible for supervising and monitoring numerous highway and bridge projects to enforce permit-regulated compliance and adherence to agency guidelines (state, federal, U.S. Coast Guard, U.S. Army Corps of Engineers, water authority, and ConnDOT best management practices). Performed construction-phase and preconstruction environmental plan review services. Developed contaminated and hazardous material recognition and awareness among ConnDOT personnel. Coordinated the excavation and handling of contaminated soils within the guidelines of the Connecticut Department of Environmental Protection's Solid Waste and Chemical Division.

Bus Maintenance and Transportation Facility, Norwalk, CT, *Norwalk Transit District.* Resident Engineer for the construction of a state-of-the-art transportation facility including two new buildings, a 20,000-square-foot administration and maintenance complex and a 35,000-square-foot service and storage building. The structures, which are architecturally significant, were built of custom structural steel and curved roof trusses. There is a public art gallery in the administrative reception area. The maintenance area includes bus lifts, interior cranes, lubrication transport systems, boiler rooms and hydronic heating systems, and compressed air systems. A service lane consists of a bus wash, fuel and fluid management systems, and an exterior glycol snow-melt slab. Civil work consisted of large-scale production blasting, heavy earth hauling, and stone crushing operations; storm and sanitary sewer installations; fuel system installations; rock slope stabilization; and paving.

Renovation and Expansion of an Existing Transit Facility, Danbury, CT, *Housatonic Area Regional Transit District (HART).* Resident Engineer responsible for the supervision of construction activities. Coordinated reviews of contractor submittals and shop drawings; reviewed and analyzed design and construction problems; and prepared project correspondence and documents. Also conducted regular progress meetings with the contractor and owner and prepared meeting minutes. Reviewed and analyzed recommendations for the contractor's monthly payment requests, claims, time extensions, proposals, and price negotiations for extra work. Provided a monthly construction status report for HART and conducted a quarterly formal presentation concerning the project's status for HART's regional board of directors. Reviewed and analyzed the contractor's critical path schedule and monthly updates. The significant feature of this bus transit facility project was the scheduling, maintenance, and coordination of transit operations for HART's 61 fleet vehicles and staff. The staged construction entailed two new buildings to house a 7,000-square-foot administration complex and a 35,000-square-foot pre-engineered bus storage facility, as well as the renovation of one existing maintenance building.

Pier Rehabilitation of S.R. 8 Viaducts, Seymour, CT, *ConnDOT.* Inspector responsible for examining substructure concrete repairs, the installation of a cathodic protection system, the erection of a new seismic restraint pier cap post-tensioning system, and shotcrete coatings. Office engineering responsibilities consisted of the preliminary review of design changes and construction order cost analyses.

Rehabilitation of Platforms "B" and "C" at Union Station, New Haven, CT, *ConnDOT.* Office Engineer/Construction Inspector responsible for initiating and maintaining project records through the use of ConnDOT's Construction Management Reporting system, Lotus 1-2-3, and Earthworks; coordinating and carrying out construction orders; and preparing monthly payment estimates and quantity calculations, cost-plus records, and claims. Inspection duties included the erection of platform precast "T" beams and canopy structural steel; the construction of a hoistway and the installation of an elevator; the construction of sheet piling and the excavation of contaminated soil; the construction of facility mechanical and electrical systems; and the construction of a sewage evacuation system for railcars, including a pump house facility, a vac-out system, and a stormwater pipe network.

Lake Glen Dam, Woodbridge, CT, *South Central Connecticut Regional Water Authority.* Construction Inspector responsible for providing construction management and inspection services for gatehouse repairs. Supervised mechanical repairs to and the refurbishment of gate valves, stem guides, and other operational gatehouse components. Coordinated diving for an inspection of the exterior condition of the gatehouse and required repairs, as well as the removal and replacement of intake trashracks. Oversaw the use of specialty coating systems and structural concrete repairs on this project.

Lake Bethany Dam, New Haven, CT, *South Central Connecticut Regional Water Authority.* Construction Inspector responsible for providing structural condition surveys of the dam, spillway, pipe bridge, and blow-off bridge for a hydraulic structure investigation. Also investigated subsurface and concrete core borings.

Chronological History of Employment

Gannett Fleming – 2004-Present
Private Civil Contractor – 2011-2013
Stamford Wrecking Company, New Haven, CT – 2005-2011
Frank Mercede and Sons, Stamford, CT – 2002-2005
Frederic R. Harris, Stamford, CT – 1990-1993
L.C. Associates, Rocky Hill, CT – 1990-1992
Connecticut Department of Transportation, District III, New Haven, CT – 1989-1990

Section C:
Management/Technical Approach

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

Management and Technical Approach

PROJECT MANAGEMENT APPROACH

Gannett Fleming Engineers and Architects, P.C. and Tectonic Engineering & Surveying Consultants, P.C. are proud to join forces as a Joint Venture to offer the PANYNJ a highly qualified Team to provide the requested Construction Management Services. Our Team is full service, multi-disciplinary, and maintains offices in both New York and New Jersey, in close proximity to all of the PANYNJ's facilities and offices. Together, the firms have extensive experience providing construction management services for local transportation and facilities agencies on bridges, tunnels, airports, seaports, buildings and transit/rail facilities. The Team has numerous Professional Engineers, NICET, ACI, ICC and NACE Certified inspectors, as well as trained estimators, schedulers and contract administrators, all with relevant similar project experience. In addition, Tectonic Engineering & Surveying Consultants, P.C. maintains and operates two fully accredited materials laboratories with extensive relevant construction materials testing experience, and offers these services in support of this contract.

Our management technique will be focused – it will make sure of continuous and timely communication and coordination with PANYNJ project personnel and our Project Manager, to allow for proper data flow and decision-making. The Project Schedule will be the time map that our Task Manager and Team will follow in performing the project work. The Project Budget will establish and measure the level-of-work effort to be expended for each project task and milestone. Monthly Progress Reports will be prepared to report the progress accomplished and look ahead for the next month's workload.

PROJECT ORGANIZATION

Successful completion of this work assignment depends upon the technical ability and experience of our assigned staff, as well as our ability to effectively manage that staff. Our Team has gained this experience by inspecting, assessing, planning, designing, and constructing various types of railway and other transportation facilities throughout the New York Metro area. Much of this experience has come through our long history of providing services to PANYNJ over the past 30 years.

Due to his extensive experience with both the PANYNJ and this contract's required services, **Mr. James T. Gibbons** will serve as our Project Manager for this assignment. Mr. Gibbons is a graduate degreed civil engineer and department manager with 27 years of relevant experience who has worked on numerous construction inspection projects for other major transportation agencies. He has served as project manager on construction management projects ranging from less than $1M to over $100M for several agencies including: PANYNJ, MTA B&T, NJDOT, NJTA, DRPA, DRJTBC, and NYSDOT. In addition to serving as our Project Manager for the last three years on the above noted Call-In contract for the PANYNJ, he has served as Project Manager on over ten additional "On-Call" type construction management contracts for other local agencies over the last few years. He is intimately familiar with the conduct and management of "On-Call" construction management contracts, and is familiar with the PANYNJ's staff, policies, and procedures. Mr. Gibbons will manage the staff, schedule, budget and overall quality of our work for the PANYNJ. *Through the utilization of a single point of contact, the PANYNJ can directly communicate with the Mr. Gibbons.*

Due to the wide range of potential task order assignments that could be assigned, we envision that some Task Orders may be managed directly by Mr. Gibbons, while others may be assigned a Task Order Project Manager with specific expertise for that task. In this case, the communication flow would still funnel through Mr. Gibbons to the Authority's Project Manager. This approach ensures the project team the

ability to assign the most qualified personnel to execute the task, but maintains the same lines of communication.

Subconsultants

Our intent is to provide the PANYNJ with a highly qualified Team that has expertise in all of the requested disciplines, an unmatched depth of resources, the ability to exceed the contract specified 17% DBE goal. In order to accomplish this, we have added four highly qualified subconsultant firms to our Team, three of which are certified DBE firms.

Our Team is proud to offer the services of **KS Engineers, P.C.**, a prominent DBE firm with offices in New York and New Jersey, to augment our team's staff. KS Engineers, P.C. is a highly qualified professional engineering firm and provides comprehensive construction inspection and management services on key infrastructure and facilities projects throughout the NY/NJ metropolitan area. The firm has extensive expertise providing all levels of inspectors as well as resident engineers, office engineers and various support staff for key transportation agencies including the PANYNJ, MTA, NYCDDC, NYSDOT, NJDOT, NYCDOT, Metro-North, NYCT, and NJ Transit.

VRX Inc. and **Toll International, LLC** will serve as additional DBE partners for this assignment, and will help the Team meet key staffing needs while contributing to our DBE goal. VRX, Inc. maintains a staff of qualified inspectors holding certifications from ICC, ACI and NACE, and has relevant experience providing construction inspection services for similar local public agencies. Toll International, LLC specializes in cost engineering and CPM scheduling and has successfully provided similar services for other local agencies.

Finally, the Joint Venture Team will offer the services of **New York Professional Services One, LLC,** an emerging small engineering firm with additional engineering design, inspection and construction management experience on civil, Mechanical, Electrical and Plumbing (MEP), and HVAC projects. New York Professional Services One, LLC employs a highly qualified staff of engineers and will support our Team on any assignment that may be required.

Our Team has extensive experience providing "Call-In" type construction management and related technical services for other local transportation and facilities agencies, including for the PANYNJ itself. Since 2011, we have provided nearly identical services through the Expert Professional Construction Management Services and Related Technical Services as Requested on a "Call-In" Basis during 2011 – 2014 contract. Together, we offer a pool of over 250 qualified construction professionals in the immediate area including: managers, engineers, inspectors, materials technicians, schedulers and estimators. In addition, the Team has the backing of the design offices and other assets of the various firms if needed for any assignment. Our proposed staff has vast expertise providing construction management services for any type project that may be required at any of the PANYNJ's facilities including; bridges and tunnels, airports, seaports, transit and rail buildings. In addition, our Team's firms have extensive experience working together on a variety of other construction management contracts, and have extensive recent experience providing design, assessment and construction management services for Hurricane Sandy related and other resiliency projects.

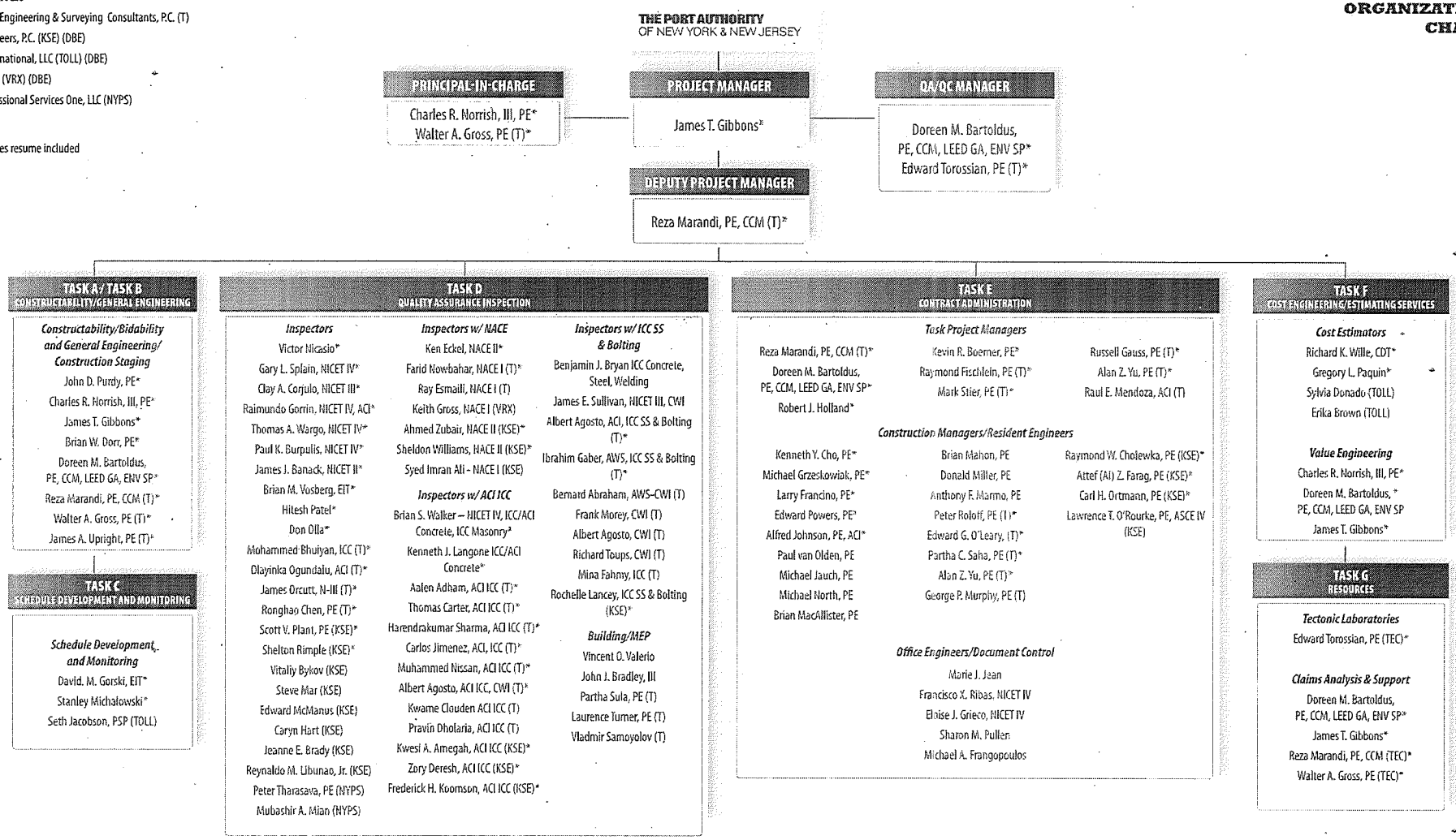
An organization chart depicting the structure of our Team, as well as responsibility for each task that may be required under this contract, is available on the following page.

PROJECT ORGANIZATION CHART

Legend:

Tectonic Engineering & Surveying Consultants, P.C. (T)
KS Engineers, P.C. (KSE) (DBE)
Toll International, LLC (TOLL) (DBE)
VRX, Inc. (VRX) (DBE)
NY Professional Services One, LLC (NYPS)

* indicates resume included



TECHNICAL APPROACH

Consultant Tasks

The following is our understanding of the specific types of Task assignments that may be requested by the Authority, and our understanding and approach to accomplishing those tasks:

TASK A – CONSTRUCTABILITY/BIDABILITY AND GENERAL ENGINEERING REVIEW

Constructability

We will provide an ongoing analysis of the constructability of designs during the Design Development (Stage II) and final Design and Contract Document Preparation (Stage III). Drawings and specifications will be reviewed by a team of experienced and knowledgeable construction engineers. The constructability review will be performed for each project to assure the plans are being developed with consideration given to the provision of adequate construction access, innovative techniques, and typical construction challenges faced by construction managers and inspectors. Our approach to constructability reviews will be to provide a review scaled to meet the context of the specific project and to allow the actual construction staff assigned to the project to be involved in the review process. Simple projects may be reviewed by the identified Construction Manager or Resident Engineer only, while more complex projects may be reviewed by several team members with construction or contractor experience.

The following is a partial list of items that may be reviewed:

- Compliance with local codes and standards;
- Compliance with applicable State and Federal Standards;
- Compliance with applicable industry standards (ACI, AASHTO, AREMA, AISC, etc.);
- Completeness of documents;
- Consistency and verification that none of the contract documents conflict with one another;
- Coordination of items across all disciplines;
- Verification of critical dimensions;
- Sufficiency of details and elevations to complete the work;
- Review Notes for correctness and to verify if additional notes are required;
- Verification of cross references to details and elevations;
- Verification that the design allows sufficient room to use whatever equipment is required to do the work;
- Verification that material specifications are clear and sufficiently detailed. If substitutions are allowed, process must be fully described;
- Proper sequence of construction;
- Payment submission requirements and procedures;
- Penalty/Incentive clauses and requirements; and
- "As Built "drawing requirements and procedures.

Construction Process review items include:

- If a preconstruction conference is required;
- If restoration of project areas and easements adequately covered in the contract documents;
- Adequacy of testing requirements;
- Adequacy of traffic control, if required;
- Adequacy of contract documents relating to environmental or archaeological issues;
- Project Schedule, including selection of milestones and tentative completion dates; and

- Project Schedule submission requirements and distribution.

Bidability

We will review bid documents to verify they are complete and make clear the requirements to potential bidders. We will verify that the package is complete and items, addenda and changes made are included. This will include a copy of the agreement that will be used when a bidder is selected. A review will be made to determine if any applicable information on wage rates should be included.

The format will be reviewed including determining if the table of contents is complete and accurate, pages are proper numbered and relevant specifications are included. In addition the following reviews will be performed by our staff:

- A determination of the adequacy of the advertising period;
- The scheduling of any pre-bid conferences;
- Contract duration;
- Establishment of any liquidated damages;
- Minimum number of days for pricing after bids are opened to bid award;
- Bid bond requirements;
- Necessity for a contact for pre-bid inquires;
- Instructions for modifying and/or withdrawing a bid prior to bid award are adequate;
- If specifications detail clearly how low bidder will be determined;
- If all terms such as responsible and responsive adequately defined for bidders; and
- Review of insurance requirements such as public liability, property damage, workmen's compensation fire, etc.

Bid Form

- Contract will be reviewed to determine if it is the proper type: Lump Sum, Unit Price or other.
- Verify there is no overlap of bid items.
- What proposal costs, if any, are ineligible.
- Verify that major work items if any are included in proposal.
- Verify that key pay items are clearly defined
- Verify that unit price quantities agree with the plans, specification, bid advertisement and proposal
- Determine if mechanism for adjusting unit prices, should quantities differ significantly from estimates, is appropriate.
- Determine if there is a need to require bidders include a list of major equipment manufacturers and suppliers.
- Determine if bidders should list major subcontractors.

TASK B – CONSTRUCTION STAGING

Our Team will review the entire staging plan, including but not limited to the contractor access routes, site access locations and staging areas. Construction staging prior and during construction process will be continually reviewed and recommendations for changes will be made. We will study facility operations to identify the impact of staging on operations and patron usage in order make recommendations to minimize problems. Our Team will make sure that the work done will be limited to those areas necessary for the performance of the work and not interfere with the operations of the facility without the approval of the Chief Engineer. We understand that it is not permitted to leave objects or equipment unattended on sidewalks, roadways or structures at any time. We will further make sure that vehicular and pedestrian traffic has a priority over consultant and contractor operations. The traffic control plan and pedestrian

access will be reviewed including options/alternatives on how to maintain operations and patron convenience.

TASK C –SCHEDULE DEVELOPMENT AND MONITORING

Our Team has several highly qualified personnel on staff that are trained and experienced with approved scheduling software such as Primavera, and are proficient in developing, maintaining, and reviewing cost – loaded Critical Path Method (CPM) Schedules. They have experience preparing schedules from scratch or monitoring schedules prepared by contractors on a wide variety of types of projects, including highways, and bridges, airports, ports and buildings. We will provide review of the baseline schedule for compliance with the contract documents, standard construction practices and recommended practices for scheduling. We place emphasis on ensuring the schedule utilizes the contract duration, the phasing and sequence of work, crew loading and allowance for inclement weather. During the project we will monitor and document all schedule issues and attend progress meetings to report on the projects status offering solutions for regaining lost time.

Each contract will have its own unique schedule that will clearly indicate and address:

- Critical Path
- Staging
- Project interferences
- Operational restraints of the facility
- Other requirements

Schedules will be updated continuously commencing at the receipt of bids. We will make recommendations of solutions when problems are identified to minimize or eliminate any impact on the schedule. Schedule issues will be thoroughly documented. We will attend progress meetings to report on progress.

Our Team will verify that the schedule utilizes the contract duration, phasing and sequence of work, crew loading and allowances for inclement weather. State of the art software will be used to track changes between project updates. A continuous review will be made of the contractors schedule for consistency with contract requirements and we will make comments and recommendations. We use comparison software, such as Schedule Analyzer and Claim Digger, for determining and tracking changes between updates, and assign responsibility for any loss or gain in time during update periods.

TASK D – QUALITY ASSURANCE INSPECTION

We envision this Task, in conjunction with Task E (Contract Administration), to be the primary focus of this assignment. Our Team has a large pool of inspectors and engineers with a wide variety of certifications including those specified in the RFP; PEs, ACI Concrete Special Inspection, ICC Structural Steel and Bolting, and NACE coatings certifications, as well as numerous other relevant credentials. These personnel have extensive similar experience performing services identical to those requested here on other projects and for other agencies. Our Project Manager will monitor and oversee the work of our staff and oversee the coordination of construction work with the activities of the PANYNJ, affected agencies and utilities, and other parties as necessary. Our inspection staff will monitor contractor compliance with contract documents and the quality level established by the PANYNJ, taking a proactive approach to determining and addressing problems before they occur.

If a potential problem or concern is discovered, we will immediately begin working to expediently correct the problem in a cost-effective manner, report it to the PANYNJ if appropriate. Additionally, we will act to ensure that there is no non-conforming or damaged work. We will act on test failures and provide for corrective measures, remove and replace, or reduce payment for failed materials.

Inspection

Our Team will perform construction inspection services to include checks of the contractor's construction stakeout and grades, detailed inspection of construction, inspection of on-site materials, inspection of plant materials, monitoring of workmanship and final measurement of work and calculating quantities, which will verify that projects are completed in conformance with plans and specifications. This includes civil, structural, electrical and mechanical systems. Our inspectors have expertise in field testing, such as compaction, slump, and chlorination (if necessary). Inspection duties will include supervising the sampling and field-testing indicated by the specifications.

In addition, both Gannett Fleming Engineers and Architects, P.C. and Tectonic Engineering & Surveying Consultants, P.C. hold IAS Accreditation/Certification for various Special Inspections disciplines. Gannett Fleming Engineers and Architects, P.C. has received accreditation for Special Inspections of Cast in Place Concrete, and Tectonic Engineering & Surveying Consultants, P.C. is certified in the inspection of Cast in Place Concrete, Structural Steel and Bolting. This additional level of inspection certification will help to ensure that our Team provides the highest quality oversight for the PANYNJ.

Monitoring Contractor Safety

Many of the PANYNJ's projects will be in and around on-going operations and the traveling public.

We recognize that the construction contractor for each project is solely responsible for the safety of his workers and subcontractors working on the site. We will review the contractor's detailed accident/safety program and any other safety related submittals. Our Team is fully committed to having a safe project, which includes the safety of our staff. A site safety plan will outline the duties of the inspection staff and the measures undertaken to monitor the safety of that staff. Inspection personnel will employ safety equipment necessary for field work, including hard hats, reflective vests, goggles, work boots, ear protection, respirators, first aid kits, gloves, safety harnesses, and belts.

If we observe what we consider to be an unsafe condition, it will be reported immediately to the contractor. If the condition represents an imminent danger, the contractor will be immediately directed to stop work until the matter is resolved. Any accidents will be reported immediately to the PANYNJ Project Manager, and documentation of the incident will be maintained at the project office. A summary of any accidents or safety-related problems will be contained in the Monthly Report.

Prior to beginning field inspection of a project assignment, a safety meeting will be held with field personnel. This meeting will serve to review safety procedures and re-emphasize the importance of safety and housekeeping issues. Additionally, the specific requirements of the safety manual will be discussed. Some of the issues addressed will include:

- Proper clothing for construction personnel
- Use of hard hats, reflective vests, and goggles
- Inspection of high structures using safety belts and harnesses
- Inspection of confined spaces, including use of respirators and air monitors and emergency exist
- Burning and welding permits
- Housekeeping and dust control

TASK E – CONTRACT ADMINSTRATION

Construction Management

Our Team will provide contract administration services hand in hand with the construction inspection services just described in Task D in order to ensure that the projects meet PANYNJ construction budgets

and schedules. We understand that our Team will act as the agent of the PANYNJ, and that project correspondence except contractual issues will be directed to our Team's Project Manager.

Reporting and Administrative Documentation

We acknowledge the importance of accurate and detailed documentation to the successful completion of a project. Our documentation will detail the work performed by the Contractor for conformance with contract documents, the quality and quantity of the work performed, recording pertinent information related to the completion, and progress of project work. We will recommend acceptance for payment of completed work based on field measurements and calculations in compliance with the contract documents. Our documentation will allow for complete auditing of the project during and after project performance.

Documentation is not the only key to a successful project; inspection of the contractor's work and enforcement of the applicable regulations and specifications is equally as important. Inspection of the work for conformance with the contract drawings is critical to verifying the project will meet the standards of the PANYNJ.

Project Meetings

Our Project Managers will schedule, attend, and record project related meetings, which includes the preparation of agendas, sign-in sheets, minutes and resolution of follow-up items. Meetings can be conducted at the PANYNJ offices (we will coordinate with Department Staff to reserve conference rooms in the reservation system, if necessary); project sites; consultant offices; or our offices. When appropriate, our Project Managers will request attendance by relevant PANYNJ staff and management, and will make the PANYNJ aware of scheduled meetings. Project Meetings will be maintained on a public calendar. Public Involvement activities (as appropriate) will be closely coordinated by our Team, and will involve the PANYNJ's Project Manager or designee.

Project Coordination and Correspondence

Our Team will work in an ongoing capacity with both designers and Authority staff to resolve issues, provide technical guidance and effectively communicate various aspects of the project as necessary. Project correspondence will be directed to the Project Manager, except contractual-related items, which will be directed to a project principal. Project correspondence, including email, will be archived for future access and reference, and viewing by project personnel. Outgoing correspondence will be reviewed by PANYNJ management and staff, based on the context of the issue. Simple, day-to-day questions and coordination we will copy the PANYNJ if requested. Correspondence which could affect scope, schedule or budget will be coordinated with the PANYNJ prior to replying externally. Critical or especially sensitive correspondence will be prepared for use or forwarded directly by PANYNJ management. Our Team will refer to themselves as "Consultant team member" or similar. Written correspondence will be provided on PANYNJ letterhead and email signature blocks will be adjusted to reflect our role as consultant staff to maintain a professional decorum and provide clarity that communication from our Team is truly on behalf of the PANYNJ.

Reports

We will enact proper documentation and record keeping practices in accordance with procedures and requirements in order to maintain complete, current, and accurate records of project progress. Our inspectors will accurately complete, compile, and submit Inspector's Daily Reports (IDRs) to the PANYNJ in a timely fashion. Our staff will keep accurate quantity documentation. Project records will be signed and dated, referenced to original documentation, and kept in a fireproof location. Data will be kept in both electronic and hard copy.

We recognize that it is critical to assemble and maintain project documentation in a detailed format in order to allow for proper auditing of project records upon completion of construction and to defend the PANYNJ against claims, if necessary. Our inspection staff will be knowledgeable of the PANYNJ's documentation procedures before assignment, allowing us to efficiently manage upcoming work with no learning curve or training.

Project Administration

Our Project Managers will oversee administrative functions of the project as well, except those related to contracts. These items include review of consultant invoices for completeness, correctness, and accuracy of percent-complete assessments. We will work with the contractor to correct any errors or oversights and transmit completed invoices to the PA for concurrence and processing. We will track overall project budget status and compare it to actual or "physical" percent to complete (Earned Value Method) to assess adequate progress. Budget Status will appear on monthly status reports. In addition to monitoring consultant expenditures, staff will perform periodic (at least annual) review of project budgets through reviews of updated cost estimates to be provided by designers. This effort will be used to verify proper capital programming, especially for larger projects. For those larger projects, we can provide professional estimating services for independent estimates, if desired.

Shop Drawing Receipt and Distribution

We understand the shop drawing process is vital to the successful completion of any project. GF / JMT's role is to either review the shop drawings in-house or forward them to the designer or appropriate agency for review and approval. However, our participation in the shop drawing process does not stop there. We will coordinate with the Contractor, as well as with their CPM scheduler, to determine which submittals are critical to the project completion. We will inform the reviewing agency (designer or architect) of what submittals are critical and must be returned within the maximum time allowable by the contract specifications. We will establish with the reviewer the dates the drawings must be returned by and will coordinate a second reviewer if time restrictions do not allow for timely completion of the review for return to the Contractor.

Requests for Information (RFIs)

Our Team will expedite the flow of RFIs between the contractors and the design engineers to verify the contractor gets timely, complete clarifications from the design engineer. Timely, clear direction prevents the contractor from filing claims for delay.

Cost Control System

We will implement an effective computer cost control system. This system will be based on the level of accountability and schedule of values established by the project specifications. Using this information, we will monitor the work and associated costs incurred, for each project, during each pay period. We will revise and refine the approved project budget including changes as they occur. Variances will be identified to our Construction Manager immediately.

Preparation of Contractor Payment Applications

We will review/approve payment applications of the contractor in accordance with the PANYNJ's Construction Guidelines. We will meet with the contractor before submitting the estimate to verify all parties agree upon the quantities included in the estimate. This will mitigate the time required for final settlement of the contract. Timely completion of the estimates will be a function of our accurate documentation.

Change Order Process

We will review and evaluate requests for changes and, if warranted, submit recommendations to the PANYNJ. Our field staff will promptly act upon requests for change orders in order to keep the work progressing. Change orders are generated at the job level. When a changed condition is encountered, a change order is generated at the site with the reasons for the change and a cost estimate. These documents are the basis for a change order after PANYNJ approval. Our cost estimating staff will provide independent, accurate estimates of the cost and schedule impact of the proposed changes. The negotiations or directions to the contractor that result in a change in contract price or time will be presented to the PANYNJ Project Manager in writing for approval prior to commencement.

We will review and check the reasonableness of construction cost estimates prepared by the contractor during the construction. This review will include the following steps:

- Verification of material pricing through direct takeoff of major quantities and solicitation of prices from vendors.
- Verification of labor pricing used in the estimate.
- Estimated production rates will be compared with industry norms and, where appropriate, adjusted to reflect site-specific increases or decreases.
- Independent development and/or review of preliminary construction schedules for the purpose of estimating equipment utilization. Pricing will be based on standard pricing guides, adjusted to account for a degree of contractor-owned equipment.
- Independent development of indirect costs and profit estimates, based upon an assessment of job conditions.
- Confirmation that cost elements (both added costs and credit are included in the pricing).
- Confirmation that relevant documentation is complete and included with the request.

Results of this analysis will be presented in written form with recommended revisions or modifications to the contractor's cost estimate.

Substantial Completion

Based on project document requirements, we will advise the PANYNJ when the contractor has complied with substantial completion for his work. At the contractor's request, we will review the scope of work and develop a punch list of incomplete or unsatisfactory items and schedule for completion. We will promptly notify the PA of the contract substantial completion date and closely monitor punch list work until it is satisfactorily complete and acceptable.

Final Completion

We will determine final completion of the project and conduct a final inspection. It is our goal that a punch list will not be required from final inspection, as the work will already be completed to the satisfaction of the PANYNJ. Throughout the duration of construction, we will inform the contractor of punch list items for each work activity. This practice helps the contractor do the work one time and minimizes punch lists at the completion of the contract. Any punch list items that do exist will be monitored until completion. Following the contractor's completion of punch list items, a final inspection will be held which shall include our Team, the contractor, the design consultant, and the PANYNJ, if desired. Following an acceptable walkthrough, a recommendation for final acceptance of the work will be given. We will secure and transmit the required guarantees, affidavits, releases, bonds, waivers, and record drawings to the PANYNJ Project Manager upon completion.

Final Report

At the conclusion of each construction contract, we will prepare a final project report. Each report will contain a concise narrative executive summary. Following the executive summary, a brief description of the design logic (as appropriate) will be presented, as well as a review of the construction methods and schedule accountability. The construction section will address the overall quality of construction, major quantities, special issues encountered, corrective actions taken, construction methods, and contract compliance. The end of the report will tabulate and list contract modifications, test results, change orders, the final contract schedules, lessons learned and the name and address of the general contractor and all subcontractors. Recommendations for improvements based on lessons learned from the project will also be included in the final report.

Development of Record Drawings

Accurate and complete record drawings provide critical information for subsequent engineering or construction efforts, as well as operations and maintenance activities. Our inspector will use Inspector daily reports (IDR's) executed change orders, RFIs, approved shop drawings, and survey data as a "checklist" of items to be included on the record drawings. The drawings will be completed within 30 days of project completion and reflect the final conditions and design modifications as directed during the course of construction.

Final Settlement of Contract

Our inspection staff will monitor contract closeouts to verify receipt of deliverables. We will finalize contract modifications and determine final quantities for final payment. Our Project Manager will prepare and process certificates of final inspection, and acceptance certificates of completion, where required. We will also prepare and process the final payment releases.

In cases of claim or dispute situations, if necessary and as directed by the PANYNJ, we will assemble pertinent background information. We will analyze the merits of the claim or dispute, and recommend to the PANYNJ merit or entitlement, if any. Our Construction Manager will also prepare estimates of entitlement, if appropriate, and assist the PANYNJ in final resolution.

TASK F. COST ENGINEERING/ESTIMATING SERVICES

Our Team has extensive experience preparing and reviewing cost estimates for design work, or change orders. We have performed this same function on our own Call-In Design contracts for the PANYNJ and other agencies, and have provided Peer Reviews of cost estimates prepared by other designers, and have extensive experience preparing cost estimates for changed conditions or change orders. Our staff is familiar with a variety of estimating software systems, and also uses relevant historical data from our own and other projects.

Claims Review:

Upon receipt of any notification of claim, potential claim, or dispute, our Construction Manager will immediately notify the PANYNJ project engineer of same in writing. The Construction Manager will thoroughly investigate the circumstances of the event to determine if it has merit. Based on his findings, the Construction Manager will make a recommendation as to the merit, entitlement, or other resolution to the PANYNJ. We will maintain files on each claim, potential claim, or dispute, whether resolved or unresolved.

Our general work plan for a complete claims review and analysis assignment involves the services from initial claim evaluation to assisting counsel with case preparation and expert witness testimony consists of a

five-phase process: We understand under certain circumstances, a quick response may be needed; thus we will monitor that adequate staff is employed on each task in order to complete the analysis to meet the PANYNJ's response schedule.

- **Phase I:** Initiation-We will meet with the PANYNJ Project Manager and determine data available from both the Contractor and PANYNJ, including inspector's daily reports CPM schedules and pertinent correspondence.
- **Phase II:** Claims Research and Evaluation-Conduct a comprehensive review of the documents and analyze the facts.
- **Phase III:** Data Compilation and Resolution -Once the claim is understood we will prepare a defense strategy after meeting with PANYNJ personnel and the Contractor. We will communicate through meetings and status updates with the appropriate PANYNJ personnel.
- **Phase IV:** Claims Recommendation Report and/ or Presentation Meeting-Upon completing our analysis, our claims analyst will participate in a presentation of the findings and conclusions and the recommended course of action will be outlined in detail to the PANYNJ staff. At that time, we will also provide copies of the final report containing the findings and conclusions, recommendations and settlement options. The expert report will contain time impact analysis (TIA) computations, cost estimates, schedule delay and efficiency impacts, calculations of recoverable damages and penalties, loss of productivity, liability of exposure to contractor damages, evaluations and recommendations of the findings and conclusions with supporting documentation
- **Phase V:** Litigation Preparation/Testimony- Contingent upon the individual project task, we will assist and participate in any deposition and discovery procedures with the Office of Counsel (terminology), if required, during the defense strategy and negotiation stages of the claim.

We also provide training on Review and Analysis of claims. The different types of claims are discussed ranging from Different Site Conditions to Loss of Productivity. Emphasis is placed on adequate notice, establishing merit, calculation of damages and options for resolving the claim amicably. Several techniques in graphical presentation of the facts and figures, so the claim can be easily understood are also covered.

TASK G – RESOURCES

In addition to our experienced construction management and inspection staff, the Gannett Fleming Engineers and Architects, P.C. and Tectonic Engineering & Surveying Consultants, P.C. Joint Venture can make available to PANYNJ the full resources of their respective design offices. Our Team has extensive design experience with the PANYNJ and with other local agencies. Both firms are multidiscipline companies and are also able to provide architects, environmental engineers, traffic engineers, and surveyors to augment our staff as needed. These resources can include but are not limited to: structural design, scheduling, environmental screening, GPIS/SUE, ROW Acquisition, and value engineering. All of these services can be made available to the PANYNJ on an "As-Needed" basis as required.

Material Testing

Tectonic Engineering & Surveying Consultants, P.C. is one of the largest construction inspection and materials testing firms serving New York City and the greater metropolitan area. They are one of only a few professional engineering firms with in-house laboratory capability, and have labs in their in our Long Island City and Newburgh, NY offices. Both laboratories are licensed by the NYC Building Department. Tectonic offers an expert laboratory team and over 150 inspectors with certifications by the American Concrete Institute (ACI) for Concrete Field Testing and Construction Special Inspector, the International Code Council (ICC), the American Welding Society (AWS) and the National Institute for Certification in Engineering Technologies (NICET) Levels I to IV. The Long Island City laboratory is also accredited by NVLAP. It provides

materials testing services for steel, concrete, aggregate, masonry, soils, plant inspection, field testing of asphalt, mechanical/electrical systems, fireproofing, firestopping, etc. They conduct testing according to ASTM E329, outlining the Standards and Recommended Practices of Inspection and Testing Agencies. Since 1993, Tectonic participates in the Cement and Concrete Reference Laboratory (CCRL) proficiency sample and on-site inspection program. *They are also accredited by AASHTO under their AASHTO Materials Reference Laboratory (AMRL) program.*

QUALITY APPROACH

Corporate Quality Policy

Good project quality management techniques are important to ensure project deliverables and end results meet or exceed the PANYNJ's expectations. We are committed to providing the highest level of quality for this project and have a track record of establishing, documenting, implementing, and continually striving to improve its QMS. Our QMS system was developed in accordance with the requirements of the ISO 9001:2008 standard, designed to reduce costs by minimizing waste and errors and increasing productivity.

Our Corporate Quality Policy is "to provide professional services that meet the requirements of clients and involve all personnel in continually improving work processes." We recognize the critical importance of quality in our work products and procedures, as well as our customers' expectations. Gannett Fleming Engineers and Architects, P.C. is committed to consistently providing quality work products. This commitment is embodied in our corporate Quality Policy, implemented through our Project Management and Quality Guidelines, and enforced through our standard operating procedures, work instructions, and audit procedures.

These systems, standards, and goals are all reinforced via our Corporate Learning Management System (LMS). To emphasize the continued importance of these objectives, we establish corporate goals on an annual basis, which include specific client satisfaction and performance goals.

By meeting these objectives and specific goals, it is our intent to:

- Demonstrate its ability to consistently provide services that meet the project goals for PANYNJ, and
- Achieve PANYNJ's satisfaction through the effective application of our management systems, including processes for monitoring and measurement, continual improvement, and the prevention of nonconformities.

The QMS stresses "meeting the requirements" by following established processes (Standard Operating Procedures and Work Instructions) to meet customer expectations, and assessing customer satisfaction through a formal evaluation process. In the end, PANYNJ's success is Gannett Fleming Engineers and Architects, P.C.'s success.

QUALITY MANAGEMENT IMPLEMENTATION

The implementation of Quality Management has two components: the Project Execution Plan (PEP), which is the documentation of the specific Quality Management process applied to a project, and the QA/QC review, which is the implementation of that process. These two components go hand-in-hand to create a quality product that meets the project objectives, schedule, and budget.

Project Controls

PROJECT EXECUTION PLAN

An integral component to the success of a project management plan is a well-defined, task-specific PEP. The task-specific scope of work provides the project requirements including the scope of work, budget, and schedule. This work will be compiled in a narrative and resource plan called the PEP.

Our firm requires that every project have PEP. The PEP contains the specific scope of work for each task and subtask and will address each task and subtask in terms of commencement and completion dates, methods of accomplishment, Gannett Fleming Engineers and Architects, P.C. and PANYNJ interface responsibilities, concerns, and problems, including a full list of activities to complete the effort and the responsible personnel. In addition, incurred and anticipated expenditure of hours and all associated costs necessary to perform the work will be included. PEPs also address quality plans, risk, procurement (i.e. subconsultants), and closeout. An initial PEP will be developed upon our first task order, and the PEP will be updated as required to reflect new task order assignments, task changes, and other project modifications.

The basic PEP elements include the following:

- Definition of task scope of work at a level of detail which will allow defining specific deliverables and responsibility;
- Development of an overall plan and schedule to complete the project;
- Development of resource estimates;
- Preparation of a base plan which integrates the elements of scope, schedule, and resources; and
- Routine evaluation of progress achieved and resources used against the base plan, to be able to forecast time remaining, and estimated resources required for completion.

The PEPs are documented in our Project Management and Quality Guidelines: the foundation of our QMS and our ISO 9001:2008 Management System certification. Lessons learned from completed projects are used to improve our project execution processes for future projects.

BUDGET CONTROLS

On a "Call-In" contract, budget controls are necessary to monitor multiple tasks and subtasks. Our Project Manager will set budget controls by using the Work Breakdown Structure (WBS), which is used in conjunction with the Gannett Fleming Engineers and Architects, P.C. project accounting system, BST. By properly setting up the WBS, Mr. Purdy will be able to monitor man-hours available and spent, and will be able to identify if efforts are above or below milestone expectations. Our accounting system has the ability to identify actual costs in real time. As such, he can determine effort spent and effort to complete in real time.

The WBS will subdivide the task specific scope of work into manageable subtasks. Tasks and subtasks will define a particular segment of the project, phase and/or deliverables, and will have one or more activities which represent the work to be performed within the task. An estimate of the hours required for each work package will be developed which will create the approved project budget. Establishing hours and costs by task represent a defined level of work effort for completion of a product deliverable.

PROJECT SCHEDULE CONTROLS

The project schedule will be the product of a coordinated effort between Mr. Purdy and PANYNJ. The schedule will be the map that guides the project from start to finish. Realistic time durations for task completion and PANYNJ review will be agreed upon, and corresponding milestone dates for submittals will

be established. He will monitor the schedule and alert PANYNJ in a timely manner of any stalled activities or delayed responses, and will work with PANYNJ to resolve project schedule issues.

Following acceptance and approval of the task schedule, the schedule will be monitored and updated monthly. As the tasks progress, actual activity finish dates will be used to update the schedule and to establish available task float. Actual completion dates may generate new critical activities. At times, budgeted or assigned staff may need to be revised to meet schedule requirements.

Monitoring the resource-loaded schedule will allow Gannett Fleming Engineers and Architects, P.C. to identify and meet any short-term schedule needs.

Quality Assurance and Quality Control (QA/QC) Review Process

The implementation of the quality plans presented in the PEP consist, generally, of the verification of work products (i.e. checking) and the review of the QC activities (i.e. quality assurance). Work products produced by Gannett Fleming Engineers and Architects, P.C. are carefully checked, or "verified", in accordance with the requirements of our detailed Work Instructions. These QC activities are thorough and consistent across the organization. The work instructions guide the professionals regarding appropriate processes and items to verify and consider as they conduct their review. The work instructions also describe the iterative process followed by the producer and reviewer of the work products to result in work products that meet the requirements of the project scope of work and the standard of practice. All work instructions are available to each employee through a link on our Intranet. Each checker is required to either formally "fill-out" the Work Instruction Form or follow specific direction for noting completion of verified review (initials and checkmarks on reports and calculation sheets, initial boxes on check prints, etc.).

Following the verification of the work products, they are reviewed by a higher level professional who verifies the work products have been checked and meet the requirements of the scope of work and standard of practice. No work products or services are delivered to our customers before they undergo both QA and QC processes. All work products prepared by our subconsultants are subjected to the same QA review applied to our work products.

In keeping with our Project Management and Quality Guidelines, an overall Quality Assurance Plan (QAP) will be developed for the contract. The Plan will clearly outline the lines of communication, staff commitment and procedures required to effectively execute this project. The QAP outlines the broad project requirements including:

- Document File Setup
- Changes in Scope Procedures
- Project Budgets
- Project Monitoring/Control
- Staffing
- Project Reviews
- Schedule
- Project Closeout
- Kick-off Meeting
- Budget Reports
- Progress Reporting
- Billing Procedures

In addition to project management activities, the QAP will also indicate quality control procedure requirements. These procedures, developed through the Continuous Quality Improvement (CQI) program,

will be used for day-to-day project activities, in preparing project deliverables. The QAP will also identify the role of the Quality Assurance Manager as being responsible for performing audits on the progress of the project and making sure that all review comments, both internal and external, are addressed.

Work Processes

PROJECT INITIATION

Upon award of this task order, Mr. Gibbons will create a task-specific PEP. The PEP is a living document that will govern the work processes throughout the duration of the assignment and serve as our performance standard for project auditing.

FIELD OPERATIONS

Upon approval of the task order and receipt of a written notice to proceed, we will commence with the work. We will conduct a field inspection of the project's required areas and verify existing field conditions. Mr. Gibbons will establish and coordinate field verification and inspections with the PANYNJ.

CONCEPTUAL DESIGN

A review of various options for design alternates will be developed with associated probable costs of construction established to define which alternates should be advanced to preliminary/final design. The goal at this stage will be to determine which alternates should be advanced further.

OUT-OF SCOPE WORK

Any issues that appear to be outside the Scope of Work as defined in the task order will be brought to the attention of the PANYNJ's Project Manager immediately. No work will commence on such tasks until authorization is received from PANYNJ.

DELIVERABLES

Deliverables for task specific work is expected to contain prints (for interim submissions) and mylars (for final submissions) for drawings. Other deliverables include custom specifications, construction cost estimates with unit price back-up and quantity calculations, design calculations, and a construction schedule. In addition, the plans and specifications will be submitted in electronic format on CD-ROM.

Deliverables for studies, including structural analyses and alternative analyses, are anticipated to be bound reports containing a narrative, recommendations, list of assumptions and design criteria, applicable graphics, design calculations, field notes, and any other data supporting the recommendations.

PROJECT CLOSE-OUT

One of the most over-looked aspects of a project is its proper close-out. Beginning with a thorough review of the scope of work to make certain all loose ends have been completed and ending with a Final Invoice, the close-out of a project makes sure that the project has terminated in an orderly fashion. The PEP for this project will contain procedures and checklists to make sure this is performed in accordance with Gannett Fleming Engineers and Architects, P.C. standards.

PROGRESS REPORTING

Mr. Gibbons will prepare progress reports for the duration of the project. This will include input from all disciplines. The report format will include:

- Accomplishments and progress by task;

- Contract cost outlined by task including authorizations, changes, and requests for extras to date and showing the incurred cost to date for each task;
- Action items required by Gannett Fleming Engineers and Architects, P.C., including significant anticipated interface problems which could potentially delay the project if not resolved;
- Gannett Fleming's summary and professional evaluation of the technical concerns, progress, and budget of the task; and
- Progress planned for the next month.

Actual progress achieved and hours expended shall be reported and evaluated monthly by the Consultant to effect control of the project. This information will be provided two weeks after the close of the previous month's activities. Actual invoices for labor and expense which support the reporting of hours will follow within 15 days after close of the previous month, for work performed during that month. Where deviations from base plan schedule, resource plan, or budget are identified, an analysis will be made noting appropriate corrective action.

KICK-OFF MEETING

The project will commence with a "kick-off" meeting between PANYNJ and Mr. Gibbons. The purpose of this meeting will be to review, verify, and clarify the task specific scope of work as identified in the RFP. Understanding the requirements of the project is important so that our Team and the PANYNJ operate on the "same page". The proper start of a project should result in no surprises later on.

DATA AND INFORMATION ACQUISITION MEETINGS

During the course of the "kick-off" meeting, PANYNJ will be asked to provide updated site plans, structural drawings, property description information, available hours to conduct field surveys/assessments, and other information for the task. This request will benefit PANYNJ, because reducing the field survey effort decreases preparation time and the resulting cost.

We will meet with the various PANYNJ stakeholders while working closely with PANYNJ to gain an understanding of the project's functional requirements. This process is iterative and may require a number of meetings to make certain the project will meet the requirements of all stakeholders.

MONTHLY PROGRESS MEETINGS

Monthly progress meetings will serve as a forum to review job progress, to resolve issues, and to make decisions. These meetings will also be the place to review and discuss submittal reviews. Meeting minutes will be kept by our Project Manager to record the project progress, decisions, open items, and actions agreed to.

Communication Plan

COMMUNICATION WITH PANYNJ

Our Project Manager will be responsible for all work assignments and will issue reports to our Project Principal. Our project management personnel will meet on a monthly basis (or more frequently, as required, based on this task's activities) to review the progress and status of this assignment. As previously stated, our Project Manager will be the single point of contact on all specific task assignments and will interface with PANYNJ. As part of maintaining a clear line of communication, Mr. Gibbons will use regularly scheduled meetings and progress reports to update the PANYNJ Project Manager on specific work assignments.

Contact with the various PANYNJ stakeholders will be coordinated with the PANYNJ Project Manager. These meetings, telephone calls, and other information exchanges will be documented. We will make sure that PANYNJ is always engaged, understands our approach, and authorizes our expected deliverables to each task order. These meetings will be held and/or attended and treated as valuable and important opportunities to make sure project issues are addressed and project expectations are on schedule and on budget. We will diligently identify potential out of scope work, submit required documentation, and receive PANYNJ approval before performing any items not included in the agreed upon scope of services. We will also look for offsetting credits for scope reductions as appropriate.

SUMMARY

The Gannett Fleming Engineers and Architects, P.C. and Tectonic Surveying & Engineering Consultants, P.C. Joint Venture is very pleased to have this opportunity to present our project management plan for this contract. Our Team has an unparalleled track record of providing quality construction management, inspection, engineering, architectural, and planning services to clients. We have consistently proven our ability to commit experienced personnel to all work assignments, and have continually exhibited our responsiveness to meeting stringent technical requirements and project schedule goals. Our knowledge and experience with PANYNJ, its facilities, and its expectations, and our familiarity with this scope of work, are keys to the success of this project.

Section D:
DBE Participation

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

ATTACHMENT D-1

DBE GOALS STATEMENT

The undersigned Bidder has satisfied the requirements of the Contract in the following manner (Complete the appropriate spaces):

The Bidder is committed to meeting the DBE utilization goal set forth in this Contract.

or

The Bidder is unable to meet the DBE utilization goal set forth in this Contract, but is committed to a minimum of 17% DBE utilization on this Contract and submits the attached narrative and documentation demonstrating good faith efforts consistent with Appendix A of 49 CFR 26 to meet the DBE utilization goal set forth in this Contract.

Attach as many pages as necessary to provide a full and complete narrative and supporting documentation of good faith efforts made. This narrative shall be submitted on company letterhead and signed.

It is the present intent of the Bidder to utilize the specific DBE firms identified in Appendix A2 in the performance of the Work of this Contract. If for any reason, one or more of the DBE firms identified in Appendix A2 are unable or unwilling to participate, the Bidder will make good faith efforts to replace the DBE firm with another DBE firm in accordance with Part II clause entitled "DBE Program".

Bidder Name: Gannett Fleming Engineers and Architects, P.C.

Federal Tax ID No.: [redacted]

By: _____ James R. Laurita, PE, President
Signature and Title

ATTACHMENT D-1

DBE GOALS STATEMENT

The undersigned Bidder has satisfied the requirements of the Contract in the following manner (Complete the appropriate spaces):

The Bidder is committed to meeting the DBE utilization goal set forth in this Contract.

or

The Bidder is unable to meet the DBE utilization goal set forth in this Contract, but is committed to a minimum of 17% DBE utilization on this Contract and submits the attached narrative and documentation demonstrating good faith efforts consistent with Appendix A of 49 CFR 26 to meet the DBE utilization goal set forth in this Contract.

Attach as many pages as necessary to provide a full and complete narrative and supporting documentation of good faith efforts made. This narrative shall be submitted on company letterhead and signed.

It is the present intent of the Bidder to utilize the specific DBE firms identified in Appendix A2 in the performance of the Work of this Contract. If for any reason, one or more of the DBE firms identified in Appendix A2 are unable or unwilling to participate, the Bidder will make good faith efforts to replace the DBE firm with another DBE firm in accordance with Part II clause entitled "DBE Program".

Bidder Name: Tectonic Engineering & Surveying Consultants P.C.

Federal Tax ID No.: [redacted]

By: Ayman Baki, P.E., Senior VP

Signature and Title

APPENDIX D2
THE PORT AUTHORITY OF NY & NJ – OFFICE OF BUSINESS DIVERSITY AND CIVIL RIGHTS
DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT

Instructions: Submit one DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT form for each DBE firm used on this Contract.

CONTRACT NUMBER AND TITLE: Indefinite Quantity Contract (IQCs) for Performance of Expert Professional Construction Management and Inspection Services for Federally Funded Storm Related Resiliency Projects on an "As-Needed" Basis through 2018

PROPOSER:
Name of Firm: Gannett Fleming Engineers and Architects, P.C./Tectonic Engineering & Surveying Consultants, P.C. Joint Venture
Address: Two Penn Plaza, Suite 552, 380 Seventh Avenue, New York, NY 10121-0101
29-16 40th Avenue, Long Island City, NY 11101 Telephone: (212) 967-9833, (718) 391-9200
Email Address: jlaurita@gfnet.com, abaki@tectonicengineering.com

DBE:
Name of Firm: KS Engineers, P.C.
Address: 494 Broad St., 4th Floor, Newark, NJ Telephone: 973- 623-2999
Description of work to be performed by DBE: Construction Inspection Services

Calculation (supply only): _____

The Proposer is committed to utilizing the above-named DBE for the work described above. The estimated dollar value of this work is $ TBD or TBD % of the total contract amount of $ TBD. The anticipated start date is TBD and the anticipated completion date is TBD.

AFFIRMATION

The above-named DBE affirms that it will perform the portion of the Contract for the estimated dollar value as stated above.

By: _____ Harry Baker, Vice President Date: July 9, 2014
Signature of DBE and Title

If the Proposer does not receive award of the Contract, any and all representations in this DBE Participation Plan and Affirmation Statement shall be null and void.

By: _____ James R. Laurita, PE, President Date: July 14, 2014
Signature of Proposer and Title

FOR OBDCR USE ONLY

Contract Goals: ☐ Approved ☐ Rejected ☐ Preliminary Plan Approved
Reviewed By: _____
OBDCR Business Development Representative
Signature: _____ Date: _____

APPENDIX D2

THE PORT AUTHORITY OF NY & NJ – OFFICE OF BUSINESS DIVERSITY AND CIVIL RIGHTS

DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT

Instructions: Submit one DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT form for each DBE firm used on this Contract.

CONTRACT NUMBER AND TITLE: RFP NO: 38268 REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS NEEDED" BASIS THROUGH 2018

PROPOSER:

Name of Firm: Tectonic Engineering & Surveying Consultants P.C.

Address: 29-16 40th Avenue, Long Island City, NY 11101 Telephone: 718-391-9200

Email Address: abaki@tectonicengineering.com

DBE:

Name of Firm: VRX, Inc.

Address: 415 Madison Avenue, Suite 1402, New York, NY 10017 Telephone: 646.673.8572

Description of work to be performed by DBE: Construction Inspection Services

Calculation (supply only): _____

The Proposer is committed to utilizing the above-named DBE for the work described above. The estimated dollar value of this work is $ TBD or TBD % of the total contract amount of $ TBD. The anticipated start date is TBD and the anticipated completion date is TBD.

AFFIRMATION

The above-named DBE affirms that it will perform the portion of the Contract for the estimated dollar value as stated above.

By: _____ Nawal Ibrahim, P.E., President / CEO Date: July 9, 2014

Signature of DBE and Title

If the Proposer does not receive award of the Contract, any and all representations in this DBE Participation Plan and Affirmation Statement shall be null and void.

By: _____ Ayman Baki, P.E., Senior Vice President Date: July 9, 2014

Signature of Proposer and Title

FOR OBDCR USE ONLY

Contract Goals: ☐ Approved ☐ Rejected ☐ Preliminary Plan Approved

Reviewed By: _____

OBDCR Business Development Representative

Signature: _____ Date: _____

APPENDIX D2

THE PORT AUTHORITY OF NY & NJ – OFFICE OF BUSINESS DIVERSITY AND CIVIL RIGHTS

DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT

Instructions: Submit one DBE PARTICIPATION PLAN AND AFFIRMATION STATEMENT form for each DBE firm used on this Contract.

CONTRACT NUMBER AND TITLE: RFP NO: 38268 REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS NEEDED" BASIS THROUGH 2018

PROPOSER:

Name of Firm: Tectonic Engineering & Surveying Consultants P.C.

Address: 29-16 40th Avenue, Long Island City, NY 11101 Telephone: 718-391-9200

Email Address: abaki@tectonicengineering.com

DBE:

Name of Firm: Toll International LLC

Address: PO Box 407, New York, NY 10274 Telephone: (212) 920-4115

Description of work to be performed by DBE: RFP NO: 38268

Calculation (supply only): _____

The Proposer is committed to utilizing the above-named DBE for the work described above. The estimated dollar value of this work is $ TBD or TBD % of the total contract amount of $ TBD. The anticipated start date is TBD and the anticipated completion date is TBD.

AFFIRMATION

The above-named DBE affirms that it will perform the portion of the Contract for the estimated dollar value as stated above.

By: _____ Operations Manager Date: 6/25/14

Signature of DBE and Title

If the Proposer does not receive award of the Contract, any and all representations in this DBE Participation Plan and Affirmation Statement shall be null and void.

By: _____ Ayman Baki, P.E., Senior Vice President Date: July 9, 2014

Signature of Proposer and Title

FOR OBDCR USE ONLY

Contract Goals: ☐ Approved ☐ Rejected ☐ Preliminary Plan Approved

Reviewed By: _____

OBDCR Business Development Representative

Signature: _____ Date: _____

ATTACHMENT D-3

INFORMATION ON SOLICITED FIRMS

The bidder must complete this form for itself and for all firms which gave the bidder a quotation for any work planned to be subcontracted regardless of whether they are ultimately chosen to participate in the Contract. Provide the information required below for every firm that provided a bid or a quote for a subcontract – even if the bid or quote from the firm is not used in the preparation of the final Proposal.

Name of Firm	Address of Firm	Phone Number	Contact Person	Firm Age	Annual Gross Revenue Range NOTE: See Footnote Below	DBE Certified (Yes/No)
VRX, Inc.	415 Madison Avenue, Ste 1402 New York, NY 10017	646.673.8572	Nawal Ibrahim, P.E.	13 Yrs	$2 to $5 Million	Yes
NYPS	4 Swarthmore Rd, Scarsdale, NY 10583	914-482-8380	Esperanza Arias	14 Yrs	Less than $500 Thousand	No
K.S. Engineers, P.C.	494 Broad Street, 4th Floor, Newark, NJ 07102	973-623-2999	Harry Baker	23 Yrs	Over $5 Million	Yes
Toll International LLC	PO Box 407, New York, NY 10274	212-920-4115	Nure Aiza	9 Yrs	$1 - $2 Million	Yes

Footnote: Annual Gross Revenue Ranges: Less than $500,000; $500,000 - $1 Million; $1 - $2 Million; $2 - $5 Million; Over $5 Million - Select the category that best identifies the annual gross revenue of the solicited firm.

Section E:
Pricing and Compensation

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

NOT APPLICABLE

Section F:
Firm's Affiliates

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

COMPLETE LIST OF FIRM'S AFFILIATES

Gannett Fleming Engineers and Architects, P.C. is affiliated with the following firms:

- Gannett Fleming, Inc.
- Ganflec Architects and Engineers, Inc.
- Gannett Fleming Engineers, P.C.
- GF Caribe Engineers, P.S.C.

Section G:
Proposer's Integrity Provisions

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

PROPOSER'S INTEGRITY PROVISIONS

Gannett Fleming Engineers and Architects, P.C. will comply with the following clauses:

- "Certification of No Investigation (Criminal Or Civil Anti-Trust), Indictment, Conviction, Debarment, Suspension, Disqualification and Disclosure of Other Information"; and
- "Non-Collusive Proposing, and Code of Ethics Certification; Certification of No Solicitation Based on Commission, Percentage, Brokerage, Contingent, or Other Fees".

Section H:
Background Qualifications Questionnaire

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

Background Qualifications Questionnaire

Below please find a table indicating each firm, their role in the contract, and the date that their Background Qualifications Questionnaire was sent to the PANYNJ.

Firm Name	Role	Date
Gannett Fleming Engineers and Architects, P.C.	Prime, Joint-Venture Member	BQQ was sent on Wednesday, 7/16.
Tectonic Engineering & Surveying Consultants, P.C.	Prime, Joint-Venture Member	BQQ was sent on Wednesday, 7/9.
KSE Engineers, P.C.	Subconsultant	BQQ was sent on Wednesday, 7/9.
NY Professional Services One, LLC	Subconsultant	BQQ was sent on Wednesday, 7/9.
VRX, Inc.	Subconsultant	BQQ was sent on Wednesday, 7/16.
Toll International, LLC	Subconsultant	BQQ was sent on Friday, 7/11.

Section I:
General Conflict of Interest

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

GENERAL CONFLICT OF INTEREST

To our knowledge, neither the Gannett Fleming Engineers and Architects, P.C./Tectonic Engineering & Surveying Consultants, P.C. Joint Venture, nor any employee, agent, or subconsultant has a possible conflict of interest, or may give the appearance of a possible conflict of interest.

Section J:
Organizational Conflict of Interest

ORGANIZATIONAL CONFLICT OF INTEREST

The Gannett Fleming Engineers and Architects, P.C./Tectonic Engineering & Surveying Consultants, P.C. Joint Venture agrees to the stated conditions and terms and agrees to perform all duties under the Contract. We also agree not to enter into contractual agreements with PANYNJ prime contractors and first-tier subcontractors in such a way as to create an organizational conflict of interest.

Additional Information

Gannett Fleming
Engineers and Architects, P.C.
Excellence Delivered As Promised

Port Authority Non-Disclosure and Confidentiality Agreement (NDA) Instructions:

Please fill in the NDA as described below. All original NDA's must be forwarded to the Port Authority contact with a copy to the Port Authority Law Department (as described on Page 8 of the NDA).

Field Form Number	Description of Data to be Entered
[1]	Insert Name of Your Company (All caps)
[2]	Insert Calendar Date
[3]	Insert Month
[4]	Insert Year
[5]	Insert Name of Your Company (All caps)
[6]	Insert Company's full street address (no P.O. boxes) – city, state, and zip code
[7]	Insert Agreement No. or Awarded Contract, Duration of Agreement or Contract, and Official Title of Agreement or Project.
[8a], [8b] & [8c]	Insert Name and address of Port Authority contact
[9]	Print Your Name (Signatory must be a Principal of the Company)
[10]	Print Your Title – (Signatory must be a Principal of the Company)
[11]	Insert Date Signed (Should match date on Page 1)

The NDA signor must also sign an Exhibit A Related Party Individual Acknowledgment. All Prime employees that will come in contact with information must sign an Exhibit A Related Party Individual Acknowledgment.

NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT
BETWEEN

[1]

AND

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

THIS NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT (this "**Agreement**") is made as of this 16 day of July, 2014, by and between **THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY** (the "**Port Authority**") a body corporate and politic created by Compact between the States of New York and New Jersey, with the consent of the Congress of the United States, and having an office and place of business at 225 Park Avenue South, New York, New York, 10003, and Gannett Fleming Engineers and Architects, P.C. having an office and place of business at Two Penn Plaza, Suite 552, 380 Seventh Avenue, New York, NY, 10121-0101 ("**Recipient**").

WHEREAS, the Port Authority desires, subject to the terms and conditions set forth below, to disclose to Recipient Protected Information (as defined below) in connection with PANYNJ RFP 38268, RFP for Indefinite Quantity Contracts (IQCs) for Performance of Expert Professional Construction Management and Inspection Services for Federally Funded Storm Related Resiliency Projects on an "As-Needed Basis Through 2018 (collectively, the "Project(s)", or "Proposed Project(s)"); and

WHEREAS, the Recipient acknowledges that the Port Authority, in furtherance of its performance of essential and critical governmental functions relating to the Project, has existing and significant interests and obligations in establishing, maintaining and protecting the security and safety of the Project site and surrounding areas and related public welfare matters; and

WHEREAS, in furtherance of critical governmental interests regarding public welfare, safety and security at the Project site, the Port Authority has collected information and undertaken the development of certain plans and recommendations regarding the security, safety and protection of the Project site, including the physical construction and current and future operations; and

WHEREAS, the Port Authority and Recipient (collectively, the "**Parties**") acknowledge that in order for Recipient to undertake its duties and/or obligations with regard to its involvement in the Project, the Port Authority may provide Recipient or certain of its Related Parties (as defined below) certain information in the possession of the Port Authority, which may contain or include protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, relating to the Project or its occupants or other matters, the unauthorized disclosure of which could result in significant public safety, financial and other damage to the Port Authority, the Project, its occupants, and the surrounding communities; and

WHEREAS, Recipient recognizes and acknowledges that providing unauthorized access

to, or disclosing such information to third parties in violation of the terms of this Agreement could compromise or undermine the existing or future guidelines, techniques and procedures implemented for the protection against terrorist acts or for law enforcement, investigation and

prosecutorial purposes, and accordingly could result in significant irreparable harm and injury; and

WHEREAS, in order to protect and preserve the privilege attaching to and the confidentiality of the aforementioned information as well as to limit access to such information to a strict need to know basis, the Port Authority requires, as a condition of its sharing or providing access to such protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, that the Recipient enter into this Agreement and that its Related Parties thereafter acknowledge and agree that they will be required to treat as strictly confidential and/or privileged any of such information so provided, as well as the work product and conclusions of any assessments and evaluations or any recommendations relating thereto, and to also fully comply with applicable federal rules and regulations with respect thereto; and

WHEREAS, as a condition to the provision of such information to Recipient and certain Related Parties, the Recipient has agreed to enter into this Agreement with respect to the handling and use of such information and to cause Related Parties to join in and be bound by the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the provision by Port Authority of Information for Project Purposes (as each such term is defined below) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Recipient and each Related Party that receives such Information, the Recipient and each such Related Party agrees, as follows:

1. **Defined Terms**. In addition to the terms defined in the Recitals above, the following terms shall have the meanings set forth below:

(a) "**Authorized Disclosure**" means the disclosure of Protected Information strictly in accordance with the Confidentiality Control Procedures applicable thereto: (i) as to all Protected Information, only to a Related Party that has a need to know such Protected Information strictly for Project Purposes and that has agreed in writing to be bound by the terms of this Agreement by executing a form of Acknowledgment as set forth in Exhibit A or Exhibit B, as applicable; and (ii) as to Confidential Privileged Information, only to the extent expressly approved in writing and in advance by the Port Authority, and then only the particular Confidential Privileged Information that is required to accomplish an essential element of the Project.

(b) "**Information**" means, collectively, all information, documents, data, reports, notes, studies, projections, records, manuals, graphs, electronic files, computer generated data or information, drawings, charts, tables, diagrams, photographs, and other media or renderings containing or otherwise incorporating information that may be provided or made accessible at any time, whether in writing, orally, visually, photographically, electronically or in any other form or medium, including, without limitation, any and all copies, duplicates or extracts of the foregoing.

(c) "**Protected Information**" means and includes collectively, Confidential Information, Confidential Privileged Information, Sensitive Security Information (SSI), Critical Infrastructure Information (CII) or Health Insurance Portability and Accountability Act (HIPPA) Information and Information that is labeled, marked or otherwise identified by or on behalf of the Port Authority so as to reasonably connote that such information is confidential, privileged, sensitive or proprietary in nature. The term Protected Information shall also include all work product that contains or is derived from any of the foregoing, whether in whole or in part, regardless of whether prepared by the Recipient, the Port Authority or others, or when the Port Authority receives such information from others and agrees to treat such information as Protected. The following Information shall not constitute Protected Information for the purpose of this Agreement:

(i) Particular Information, other than Confidential Privileged Information, that is provided to the Recipient by a source other than the Port Authority, provided that such source is not subject to a confidentiality agreement, or similar obligation, or understanding with or for the benefit of the Port Authority, with respect to such Information and that the identity of such source is not itself part of such Protected Information.

(ii) Information that is or becomes generally available to the public other than as a result of a disclosure by the Recipient or a Related Party in violation of this Agreement.

(iii) Information that is known to or was in the possession of the Recipient or a Related Party on a non-confidential basis prior to the disclosure of such Information by the Port Authority.

(d) "**Confidential Information**" means and includes collectively, any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws. It also includes information that contains sensitive financial, commercial or other proprietary business information concerning or relating to the Port Authority, its projects, operations or facilities that would be exempt from release under the Port Authority Freedom of Information Code.

(e) "**Confidential Privileged Information**" means and includes collectively, (i) Information that reveals security risks, threats, vulnerabilities, documentation that identifies specific physical security vulnerabilities or revealing specific security vulnerabilities details related to emergency response protocols, egress plans, flow paths, egress capacities, (diagrams, codes, standards) etc., which is not publicly available." and any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws, and (ii) certain Critical Infrastructure Information.

(f) "**Confidentiality Control Procedures**" means procedures, safeguards and requirements for the identification, processing, protection, handling, care, tracking and storage of

Protected Information that are required under applicable federal or state law, the Port Authority Handbook, or by the terms of this Agreement.

(g) **"Critical Infrastructure Information"** (CII) has the meaning set forth in the Homeland Security Act of 2002, under the subtitle Critical Infrastructure Information Act of 2002 (6 U.S.C. §131-134), and any rules or regulations enacted pursuant thereto, including, without limitation, the Office of the Secretary, Department of Homeland Security Rules and Regulations, 6 C.F.R. Part 29 and any amendments thereto. CII may also be referred to as "Protected Critical Infrastructure Information" or "PCII", as provided for in the referenced rules and regulations and any amendments thereto.

(h) **"Sensitive Security Information"** (SSI) has the definition and requirements set forth in the Transportation Security Administrative Rules & Regulations, 49 CFR 1520, (49 U.S.C. §114) and in the Office of the Secretary of Transportation Rules & Regulations, 49 CFR 15, (49 U.S.C. §40119).

(i) **"Health Insurance Portability and Accountability Act"** (HIPAA) Information Employees, associates or other contract personnel who have access to Protected Health Information (PHI) must refer to, and comply with, the Privacy Policies and Procedures to Protect Personal Health Information. Privacy regulations issued under the Health Insurance Portability and Accountability Act of 1996 ("HIPAA" or "Privacy Laws") place restrictions on the Group Health Plans of the Port Authority and PATH (the "Plans") ability to use and disclose Protected Health Information ("PHI").

(j) **"Port Authority Handbook"** means The Port Authority of New York and New Jersey. Information Security Handbook, as may be amended by the Port Authority, from time to time.

(k) **"Project Purposes"** means the use of Protected Information strictly and only for purposes related to Recipient's and its Related Parties' participation and involvement in the Project, and only for such period of time during which Recipient and its Related Parties are involved in Project related activities.

(l) **"Related Party"** and **"Related Parties"** means the directors, employees, officers, partners or members of the Recipient, as applicable, and the Recipient's outside consultants, attorneys, advisors, accountants, architects, engineers or subcontractors or sub-consultants (and their respective directors, employees, officers, partners or members) to whom any Protected Information is disclosed or made available.

2. **Use of Protected Information.** All Protected Information shall be used by the Recipient in accordance with the following requirements:

(a) All Protected Information shall be held in confidence and shall be processed, treated, disclosed and used by the Recipient and its Related Parties only for Project Purposes and in accordance with the Confidentiality Control Procedures established pursuant to Paragraph 2(c), below, including, without limitation, the Port Authority Handbook, receipt of which is acknowledged by Recipient and shall be acknowledged in writing by each Related Party by signing the Acknowledgment attached hereto as Exhibit A or Exhibit B, as applicable, and

applicable legal requirements. Protected Information may be disclosed, only if and to the extent that such disclosure is an Authorized Disclosure.

(b) Recipient and each Related Party acknowledges and agrees that (i) any violation by the Recipient or any of its Related Parties of the terms, conditions or restrictions of this Agreement relating to Protected Information may result in penalties and other enforcement or corrective action as set forth in such statutes and regulations, including, without limitation, the issuance of orders requiring retrieval of Sensitive Security Information and Critical Infrastructure Information to remedy unauthorized disclosure and to cease future unauthorized disclosure and (ii) pursuant to the aforementioned Federal Regulations, including, without limitation, 49 C.F.R. §§ 15.17 and 1520.17, any such violation thereof or mishandling of information therein defined may constitute grounds for a civil penalty and other enforcement or corrective action by the United States Department of Transportation and the United States Department of Homeland Security, and appropriate personnel actions for Federal employees.

(c) Recipient and each Related Party covenants to the Port Authority that it has established, promulgated and implemented Confidentiality Control Procedures for identification, handling, receipt, care, and storage of Protected Information to control and safeguard against any violation of the requirements of this Agreement and against any unauthorized access, disclosure, modification, loss or misuse of Protected Information. Recipient and each Related Party shall undertake reasonable steps consistent with such Confidentiality Control Procedures to assure that disclosure of Protected Information is compartmentalized, such that all Protected Information shall be disclosed only to those persons and entities authorized to receive such Information as an Authorized Disclosure under this Agreement and applicable Confidentiality Control Procedures. The Confidentiality Control Procedures shall, at a minimum, adhere to, and shall not be inconsistent with, the procedures and practices established in the Port Authority Handbook.

(d) The Port Authority reserves the right to audit Recipient's Confidentiality Control Procedures, and those of each Related Party, as applicable, to ensure that it is in compliance with the terms of this Agreement.

(e) The Port Authority may request in writing that the Recipient or any Related Parties apply different or more stringent controls on the handling, care, storage and disclosure of particular items of Protected Information as a precondition for its disclosure. The Port Authority may decline any request by the Recipient or any of its Related Parties to provide such item of Protected Information if the Recipient or any of the Related Parties do not agree in writing to apply such controls.

(f) Nothing in this Agreement shall require the Port Authority to tender or provide access to or possession of any Protected Information to the Recipient or its Related Parties, whether or not the requirements of this Agreement are otherwise satisfied. However, if such Protected Information is provided and accepted, the Recipient and its Related Parties shall abide by the terms, conditions and requirements of this Agreement.

(g) The Recipient and each Related Party agrees to be responsible for enforcing the provisions of this Agreement with respect to its Related Parties, in accordance with the Confidentiality Control Procedures. Except as required by law pursuant to written advice of

competent legal counsel, or with the Port Authority's prior written consent, neither the Recipient, nor any of the Related Parties shall disclose to any third party, person or entity: (i) any Protected Information under circumstances where the Recipient is not fully satisfied that the person or entity to whom such disclosure is about to be made shall act in accordance with the Confidentiality Control Procedures whether or not such person or entity has agreed in writing to be bound by the terms of this Agreement or any "Acknowledgement" of its terms or (ii) the fact that Protected Information has been made available to the Recipient or such Related Parties, or the content or import of such Protected Information. The Recipient is responsible for collecting and managing the Acknowledgments signed by Related Parties pursuant to this Agreement. Recipient shall, at the Port Authority's request, provide the Port Authority a list of all Related Parties who have signed an Acknowledgment, and copies of such Acknowledgments.

(h) As to all Protected Information provided by or on behalf of the Port Authority, nothing in this Agreement shall constitute or be construed as a waiver of any public interest privilege or other protections established under applicable state or federal law.

3. **Disclosures and Discovery Requests.** If a subpoena, discovery request, Court Order, Freedom of Information Request, or any other request or demand authorized by law seeking disclosure of the Protected Information is received by the Recipient or any Related Party, Recipient shall notify the Port Authority thereof, to the extent permitted by law, with sufficient promptness so as to enable the Port Authority to investigate the circumstances, prepare any appropriate documentation and seek to quash the subpoena, to seek a protective order, or to take such other action regarding the request as it deems appropriate. In the absence of a protective order, disclosure shall be made, in consultation with the Port Authority, of only that part of the Protected Information as is legally required to be disclosed. If at any time Protected Information is disclosed in violation of this Agreement, the Recipient shall immediately give the Port Authority written notice of that fact and a detailed account of the circumstances regarding such disclosure to the Port Authority.

4. **Retention Limitations; Return of Protected Information.** Upon the earlier occurrence of either the Port Authority's written request or completion of Recipient's need for any or all Protected Information, such Protected Information, all writings and material describing, analyzing or containing any part of such Protected Information, including any and all portions of Protected Information that may be stored, depicted or contained in electronic or other media and all copies of the foregoing shall be promptly delivered to the Port Authority at Recipient's expense. In addition, as to Protected Information that may be stored in electronic or similar form, such Protected Information shall be deleted and completely removed so that such Protected Information is incapable of being recovered from all computer databases of the Recipient and all Related Parties. The Recipient may request in writing that the Port Authority consent to destruction of Protected Information, writings and materials in lieu of delivery thereof to the Port Authority. The Port Authority shall not unreasonably withhold its consent to such request. If the Port Authority consents to such destruction, the Recipient and each Related Party shall deliver to the Port Authority a written certification by Recipient and such Related Party that such Protected Information, writings and materials have been so destroyed within such period as may be imposed by the Port Authority. Notwithstanding the foregoing, to the extent required for legal or compliance purposes, the Recipient may retain copies of Protected Information (in any format), provided that (a) the Port Authority is notified in writing of such retention, and (b) Recipient

continues to abide by the requirements of this Agreement with respect to the protection of such Protected Information.

5. **Duration and Survival of Confidentiality Obligations.** The obligations under this Agreement shall be perpetual (unless otherwise provided in this Agreement) or until such time as the Protected Information is no longer considered protected, confidential and/or privileged by the Port Authority.

6. **Severability.** Each provision of this Agreement is severable and if a court should find any provision of this Agreement to be unenforceable, all other provisions of this Agreement shall remain in full force and effect.

7. **Injunctive and Other Relief.** Recipient and each Related Party acknowledges that the unauthorized disclosure and handling of Protected Information is likely to have a material adverse and detrimental impact on public safety and security and could significantly endanger the Port Authority, its facilities (including, without limitation, the Project site), its patrons and the general public and that damages at law are an inadequate remedy for any breach, or threatened breach, of this Agreement by Recipient or its Related Parties. The Port Authority shall be entitled, in addition to all other rights or remedies, to seek such restraining orders and injunctions as it may deem appropriate for any breach of this Agreement, without being required to show any actual damage or to post any bond or other security.

8. **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to conflict of laws principles. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient specifically and irrevocably consent to the exclusive jurisdiction of any federal or state court in the County of New York and State of New York with respect to all matters concerning this Agreement and its enforcement. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient agree that the execution and performance of this Agreement shall have a New York situs and, accordingly, they each consent (and solely with respect to the Port Authority, subject to the terms of the Port Authority Legislation (as defined below)) to personal jurisdiction in the State of New York for all purposes and proceedings arising from this Agreement. "**Port Authority Legislation**" shall mean the concurrent legislation of the State of New York and State of New Jersey set forth at Chapter 301 of the Laws of New York of 1950, as amended by Chapter 938 of the Laws of New York of 1974 (McKinney's Unconsolidated Laws §§7101-7112) and Chapter 204 of the Laws of New Jersey of 1951 (N.J.S.A. 32:1-157 to 32:1-168).

9. **Notices.** Any notice, demand or other communication (each, a "**notice**") that is given or rendered pursuant to this Agreement by either party to the other party, shall be: (i) given or rendered, in writing, (ii) addressed to the other party at its required address(es) for notices delivered to it as set forth below, and (iii) delivered by either (x) hand delivery, or (y) nationally recognized courier service (e.g., Federal Express, Express Mail). Any such notice shall be deemed given or rendered, and effective for purposes of this Agreement, as of the date actually delivered to the other party at such address(es) (whether or not the same is then received by other party due to a change of address of which no notice was given, or any rejection or refusal to accept delivery). Notices from either party (to the other) may be given by its counsel.

The required address(es) of each party for notices delivered to it is (are) as set forth below. Each party, however, may, from time to time, designate an additional or substitute required address(es) for notices delivered to it, provided that such designation must be made by notice given in accordance with this Paragraph 9.

Original to the Port Authority:
RFP Bid/Proposal Custodian
The Port Authority of New York and New Jersey
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302

with a copy to:
The Port Authority of New York and New Jersey
225 Park Avenue South - 14th Floor
New York, NY 10003
Attn: General Counsel's Office c/o Caroline Ioannou, Law DISO

If to the Recipient: _____

_____

_____

with a copy to: _____

_____

_____

10. **Entire Agreement.** This Agreement contains the complete statement of all the agreements among the parties hereto with respect to the subject matter thereof, and all prior agreements among the parties hereto respecting the subject matter hereof, whether written or oral, are merged herein and shall be of no further force or effect. This Agreement may not be changed, modified, discharged, or terminated, except by an instrument in writing signed by all of the parties hereto.

11. **Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original, but all of which shall be one and the same document.

12. **Parties Bound.** This Agreement shall be binding upon the Recipient and its respective successors. The foregoing shall not be affected by the failure of any Related Party to join in this Agreement or to execute and deliver an Acknowledgement hereof.

13. **Authority.** The undersigned individual(s) executing this Agreement on behalf of the Recipient below represent(s) that they are authorized to execute this Agreement on behalf of the Recipient and to legally bind such party.

14. **Disclosure of Ownership Rights or License.** Nothing contained herein shall be construed as the granting or conferring by the Port Authority of any rights by ownership, license or otherwise in any Information.

15. **No Liability.** Neither the Commissioners of the Port Authority, nor any of them, nor any officer, agent or employee thereof, shall be charged personally by the Recipient with any liability, or held liable to the Recipient under any term or provision of this Agreement, or because of its execution or attempted execution or because of any breach, or attempted or alleged breach thereof.

16. **Construction.** This Agreement is the joint product of the parties hereto and each provision of this Agreement has been subject to the mutual consultation, negotiation, and agreement of the parties hereto, and shall not be construed for or against any party hereto. The captions of the various sections in this Agreement are for convenience only and do not, and shall not be deemed to, define, limit or construe the contents of such Sections.

RECIPIENT:

Signature: James R. Laurita

Print Name: James R. Laurita, PE

Title: President

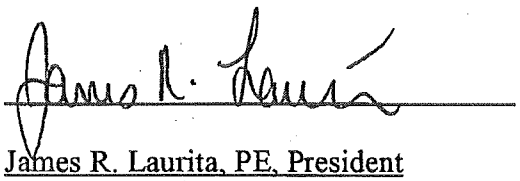
Date: July 16, 2014

EXHIBIT A

ACKNOWLEDGMENT BY RELATED PARTY INDIVIDUAL

I, James R. Laurita, PE ("**Related Party**"), am employed as a(n) President by Gannett Fleming Engineers and Architects, P.C.. I have been provided with and have read the Non Disclosure and Confidentiality Agreement between Gannett Fleming Engineers and Architects, P.C. (the "**Recipient**") and The Port Authority of New York and New Jersey (the "**Port Authority**") dated July 16, 2014 (hereinafter the "**Agreement**"), and the Port Authority Handbook attached to the Agreement. I understand that because of my employer's relationship with Port Authority, both my employer and I may be provided with access to, and/or copies of, sensitive security materials, protected or confidential information. If it is required for me to review or receive Protected Information, as it is defined in the aforementioned Agreement, I acknowledge that I will be bound by each and every term and provision contained therein, and that failure to do so may include, but is not limited to, the imposition of disciplinary action and sanctions, and/or the institution of legal action seeking injunctive relief, monetary and/or criminal penalties for violation of law and/or Port Authority policies and procedures, as well as for violation of federal and/or state regulations.

To the extent that I am currently in the possession of, or have previously come into contact with, marked information as it relates to the aforementioned Agreement, I agree to conform my handling procedures for Protected Information to the practices and procedures set forth and defined herein, or risk loss of access to said Information, removal from said Project and/or subjecting myself to the aforementioned disciplinary actions and/or civil and criminal penalties.

Signature: 

Print Name: James R. Laurita, PE, President

Date: July 16, 2014

NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT
BETWEEN

TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C.
AND

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

THIS NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT (this "**Agreement**") is made as of this 9th day of July, 2014, by and between **THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY** (the "**Port Authority**") a body corporate and politic created by Compact between the States of New York and New Jersey, with the consent of the Congress of the United States, and having an office and place of business at 225 Park Avenue South, New York, New York, 10003, and TECTONIC ENGINEERING & SURVEYING CONSULTANTS P.C. having an office and place of business at 29-16 40th Avenue, Long Island City, NY 11101 ("**Recipient**").

WHEREAS, the Port Authority desires, subject to the terms and conditions set forth below, to disclose to Recipient Protected Information (as defined below) in connection with (RFP No.: 38268), 5 Year Period, Request For Proposals For Indefinite Quantity Contracts (IQCs) For Performance Of Expert Professional Construction Management And Inspection Services For Federally Funded Storm Related Resiliency Projects On An "As-Needed" Basis Through 2018 (collectively, the "Project(s)", or "Proposed Project(s)"); and

WHEREAS, the Recipient acknowledges that the Port Authority, in furtherance of its performance of essential and critical governmental functions relating to the Project, has existing and significant interests and obligations in establishing, maintaining and protecting the security and safety of the Project site and surrounding areas and related public welfare matters; and

WHEREAS, in furtherance of critical governmental interests regarding public welfare, safety and security at the Project site, the Port Authority has collected information and undertaken the development of certain plans and recommendations regarding the security, safety and protection of the Project site, including the physical construction and current and future operations; and

WHEREAS, the Port Authority and Recipient (collectively, the "**Parties**") acknowledge that in order for Recipient to undertake its duties and/or obligations with regard to its involvement in the Project, the Port Authority may provide Recipient or certain of its Related Parties (as defined below) certain information in the possession of the Port Authority, which may contain or include protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, relating to the Project or its occupants or other matters, the unauthorized disclosure of which could result in significant public safety, financial and other damage to the Port Authority, the Project, its occupants, and the surrounding communities; and

WHEREAS, Recipient recognizes and acknowledges that providing unauthorized access to, or disclosing such information to third parties in violation of the terms of this Agreement

could compromise or undermine the existing or future guidelines, techniques and procedures implemented for the protection against terrorist acts or for law enforcement, investigation and prosecutorial purposes, and accordingly could result in significant irreparable harm and injury; and

WHEREAS, in order to protect and preserve the privilege attaching to and the confidentiality of the aforementioned information as well as to limit access to such information to a strict need to know basis, the Port Authority requires, as a condition of its sharing or providing access to such protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, that the Recipient enter into this Agreement and that its Related Parties thereafter acknowledge and agree that they will be required to treat as strictly confidential and/or privileged any of such information so provided, as well as the work product and conclusions of any assessments and evaluations or any recommendations relating thereto, and to also fully comply with applicable federal rules and regulations with respect thereto; and

WHEREAS, as a condition to the provision of such information to Recipient and certain Related Parties, the Recipient has agreed to enter into this Agreement with respect to the handling and use of such information and to cause Related Parties to join in and be bound by the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the provision by Port Authority of Information for Project Purposes (as each such term is defined below) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Recipient and each Related Party that receives such Information, the Recipient and each such Related Party agrees, as follows:

1. **Defined Terms**. In addition to the terms defined in the Recitals above, the following terms shall have the meanings set forth below:

(a) **"Authorized Disclosure"** means the disclosure of Protected Information strictly in accordance with the Confidentiality Control Procedures applicable thereto: (i) as to all Protected Information, only to a Related Party that has a need to know such Protected Information strictly for Project Purposes and that has agreed in writing to be bound by the terms of this Agreement by executing a form of Acknowledgment as set forth in Exhibit A or Exhibit B, as applicable; and (ii) as to Confidential Privileged Information, only to the extent expressly approved in writing and in advance by the Port Authority, and then only the particular Confidential Privileged Information that is required to accomplish an essential element of the Project.

(b) **"Information"** means, collectively, all information, documents, data, reports, notes, studies, projections, records, manuals, graphs, electronic files, computer generated data or information, drawings, charts, tables, diagrams, photographs, and other media or renderings containing or otherwise incorporating information that may be provided or made accessible at any time, whether in writing, orally, visually, photographically, electronically or in any other form or medium, including, without limitation, any and all copies, duplicates or extracts of the foregoing.

(c) "**Protected Information**" means and includes collectively, Confidential Information, Confidential Privileged Information, Sensitive Security Information (SSI), Critical Infrastructure Information (CII) or Health Insurance Portability and Accountability Act (HIPPA) Information and Information that is labeled, marked or otherwise identified by or on behalf of the Port Authority so as to reasonably connote that such information is confidential, privileged, sensitive or proprietary in nature. The term Protected Information shall also include all work product that contains or is derived from any of the foregoing, whether in whole or in part, regardless of whether prepared by the Recipient, the Port Authority or others, or when the Port Authority receives such information from others and agrees to treat such information as Protected. The following Information shall not constitute Protected Information for the purpose of this Agreement:

(i) Particular Information, other than Confidential Privileged Information, that is provided to the Recipient by a source other than the Port Authority, provided that such source is not subject to a confidentiality agreement, or similar obligation, or understanding with or for the benefit of the Port Authority, with respect to such Information and that the identity of such source is not itself part of such Protected Information.

(ii) Information that is or becomes generally available to the public other than as a result of a disclosure by the Recipient or a Related Party in violation of this Agreement.

(iii) Information that is known to or was in the possession of the Recipient or a Related Party on a non-confidential basis prior to the disclosure of such Information by the Port Authority.

(d) "**Confidential Information**" means and includes collectively, any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws. It also includes information that contains sensitive financial, commercial or other proprietary business information concerning or relating to the Port Authority, its projects, operations or facilities that would be exempt from release under the Port Authority Freedom of Information Code.

(e) "**Confidential Privileged Information**" means and includes collectively, (i) Information that reveals security risks, threats, vulnerabilities, documentation that identifies specific physical security vulnerabilities or revealing specific security vulnerabilities details related to emergency response protocols, egress plans, flow paths, egress capacities, (diagrams, codes, standards) etc., which is not publicly available." and any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws, and (ii) certain Critical Infrastructure Information.

(f) "**Confidentiality Control Procedures**" means procedures, safeguards and requirements for the identification, processing, protection, handling, care, tracking and storage of

Protected Information that are required under applicable federal or state law, the Port Authority Handbook, or by the terms of this Agreement.

(g) **"Critical Infrastructure Information"** (CII) has the meaning set forth in the Homeland Security Act of 2002, under the subtitle Critical Infrastructure Information Act of 2002 (6 U.S.C. §131-134), and any rules or regulations enacted pursuant thereto, including, without limitation, the Office of the Secretary, Department of Homeland Security Rules and Regulations, 6 C.F.R. Part 29 and any amendments thereto. CII may also be referred to as "Protected Critical Infrastructure Information" or "PCII", as provided for in the referenced rules and regulations and any amendments thereto.

(h) **"Sensitive Security Information"** (SSI) has the definition and requirements set forth in the Transportation Security Administrative Rules & Regulations, 49 CFR 1520, (49 U.S.C. §114) and in the Office of the Secretary of Transportation Rules & Regulations, 49 CFR 15, (49 U.S.C. §40119).

(i) **"Health Insurance Portability and Accountability Act"** (HIPAA) Information Employees, associates or other contract personnel who have access to Protected Health Information (PHI) must refer to, and comply with, the Privacy Policies and Procedures to Protect Personal Health Information. Privacy regulations issued under the Health Insurance Portability and Accountability Act of 1996 ("HIPAA" or "Privacy Laws") place restrictions on the Group Health Plans of the Port Authority and PATH (the "Plans") ability to use and disclose Protected Health Information ("PHI").

(j) **"Port Authority Handbook"** means The Port Authority of New York and New Jersey. Information Security Handbook, as may be amended by the Port Authority, from time to time.

(k) **"Project Purposes"** means the use of Protected Information strictly and only for purposes related to Recipient's and its Related Parties' participation and involvement in the Project, and only for such period of time during which Recipient and its Related Parties are involved in Project related activities.

(l) **"Related Party"** and **"Related Parties"** means the directors, employees, officers, partners or members of the Recipient, as applicable, and the Recipient's outside consultants, attorneys, advisors, accountants, architects, engineers or subcontractors or sub-consultants (and their respective directors, employees, officers, partners or members) to whom any Protected Information is disclosed or made available.

2. **Use of Protected Information.** All Protected Information shall be used by the Recipient in accordance with the following requirements:

(a) All Protected Information shall be held in confidence and shall be processed, treated, disclosed and used by the Recipient and its Related Parties only for Project Purposes and in accordance with the Confidentiality Control Procedures established pursuant to Paragraph 2(c), below, including, without limitation, the Port Authority Handbook, receipt of which is acknowledged by Recipient and shall be acknowledged in writing by each Related Party by signing the Acknowledgment attached hereto as Exhibit A or Exhibit B, as applicable, and

applicable legal requirements. Protected Information may be disclosed, only if and to the extent that such disclosure is an Authorized Disclosure.

(b) Recipient and each Related Party acknowledges and agrees that (i) any violation by the Recipient or any of its Related Parties of the terms, conditions or restrictions of this Agreement relating to Protected Information may result in penalties and other enforcement or corrective action as set forth in such statutes and regulations, including, without limitation, the issuance of orders requiring retrieval of Sensitive Security Information and Critical Infrastructure Information to remedy unauthorized disclosure and to cease future unauthorized disclosure and (ii) pursuant to the aforementioned Federal Regulations, including, without limitation, 49 C.F.R. §§ 15.17 and 1520.17, any such violation thereof or mishandling of information therein defined may constitute grounds for a civil penalty and other enforcement or corrective action by the United States Department of Transportation and the United States Department of Homeland Security, and appropriate personnel actions for Federal employees.

(c) Recipient and each Related Party covenants to the Port Authority that it has established, promulgated and implemented Confidentiality Control Procedures for identification, handling, receipt, care, and storage of Protected Information to control and safeguard against any violation of the requirements of this Agreement and against any unauthorized access, disclosure, modification, loss or misuse of Protected Information. Recipient and each Related Party shall undertake reasonable steps consistent with such Confidentiality Control Procedures to assure that disclosure of Protected Information is compartmentalized, such that all Protected Information shall be disclosed only to those persons and entities authorized to receive such Information as an Authorized Disclosure under this Agreement and applicable Confidentiality Control Procedures. The Confidentiality Control Procedures shall, at a minimum, adhere to, and shall not be inconsistent with, the procedures and practices established in the Port Authority Handbook.

(d) The Port Authority reserves the right to audit Recipient's Confidentiality Control Procedures, and those of each Related Party, as applicable, to ensure that it is in compliance with the terms of this Agreement.

(e) The Port Authority may request in writing that the Recipient or any Related Parties apply different or more stringent controls on the handling, care, storage and disclosure of particular items of Protected Information as a precondition for its disclosure. The Port Authority may decline any request by the Recipient or any of its Related Parties to provide such item of Protected Information if the Recipient or any of the Related Parties do not agree in writing to apply such controls.

(f) Nothing in this Agreement shall require the Port Authority to tender or provide access to or possession of any Protected Information to the Recipient or its Related Parties, whether or not the requirements of this Agreement are otherwise satisfied. However, if such Protected Information is provided and accepted, the Recipient and its Related Parties shall abide by the terms, conditions and requirements of this Agreement.

(g) The Recipient and each Related Party agrees to be responsible for enforcing the provisions of this Agreement with respect to its Related Parties, in accordance with the Confidentiality Control Procedures. Except as required by law pursuant to written advice of

competent legal counsel, or with the Port Authority's prior written consent, neither the Recipient, nor any of the Related Parties shall disclose to any third party, person or entity: (i) any Protected Information under circumstances where the Recipient is not fully satisfied that the person or entity to whom such disclosure is about to be made shall act in accordance with the Confidentiality Control Procedures whether or not such person or entity has agreed in writing to be bound by the terms of this Agreement or any "Acknowledgement" of its terms or (ii) the fact that Protected Information has been made available to the Recipient or such Related Parties, or the content or import of such Protected Information. The Recipient is responsible for collecting and managing the Acknowledgments signed by Related Parties pursuant to this Agreement. Recipient shall, at the Port Authority's request, provide the Port Authority a list of all Related Parties who have signed an Acknowledgment, and copies of such Acknowledgments.

(h) As to all Protected Information provided by or on behalf of the Port Authority, nothing in this Agreement shall constitute or be construed as a waiver of any public interest privilege or other protections established under applicable state or federal law.

3. **Disclosures and Discovery Requests.** If a subpoena, discovery request, Court Order, Freedom of Information Request, or any other request or demand authorized by law seeking disclosure of the Protected Information is received by the Recipient or any Related Party, Recipient shall notify the Port Authority thereof, to the extent permitted by law, with sufficient promptness so as to enable the Port Authority to investigate the circumstances, prepare any appropriate documentation and seek to quash the subpoena, to seek a protective order, or to take such other action regarding the request as it deems appropriate. In the absence of a protective order, disclosure shall be made, in consultation with the Port Authority, of only that part of the Protected Information as is legally required to be disclosed. If at any time Protected Information is disclosed in violation of this Agreement, the Recipient shall immediately give the Port Authority written notice of that fact and a detailed account of the circumstances regarding such disclosure to the Port Authority.

4. **Retention Limitations; Return of Protected Information.** Upon the earlier occurrence of either the Port Authority's written request or completion of Recipient's need for any or all Protected Information, such Protected Information, all writings and material describing, analyzing or containing any part of such Protected Information, including any and all portions of Protected Information that may be stored, depicted or contained in electronic or other media and all copies of the foregoing shall be promptly delivered to the Port Authority at Recipient's expense. In addition, as to Protected Information that may be stored in electronic or similar form, such Protected Information shall be deleted and completely removed so that such Protected Information is incapable of being recovered from all computer databases of the Recipient and all Related Parties. The Recipient may request in writing that the Port Authority consent to destruction of Protected Information, writings and materials in lieu of delivery thereof to the Port Authority. The Port Authority shall not unreasonably withhold its consent to such request. If the Port Authority consents to such destruction, the Recipient and each Related Party shall deliver to the Port Authority a written certification by Recipient and such Related Party that such Protected Information, writings and materials have been so destroyed within such period as may be imposed by the Port Authority. Notwithstanding the foregoing, to the extent required for legal or compliance purposes, the Recipient may retain copies of Protected Information (in any format), provided that (a) the Port Authority is notified in writing of such retention, and (b) Recipient

continues to abide by the requirements of this Agreement with respect to the protection of such Protected Information.

5. **Duration and Survival of Confidentiality Obligations**. The obligations under this Agreement shall be perpetual (unless otherwise provided in this Agreement) or until such time as the Protected Information is no longer considered protected, confidential and/or privileged by the Port Authority.

6. **Severability**. Each provision of this Agreement is severable and if a court should find any provision of this Agreement to be unenforceable, all other provisions of this Agreement shall remain in full force and effect.

7. **Injunctive and Other Relief**. Recipient and each Related Party acknowledges that the unauthorized disclosure and handling of Protected Information is likely to have a material adverse and detrimental impact on public safety and security and could significantly endanger the Port Authority, its facilities (including, without limitation, the Project site), its patrons and the general public and that damages at law are an inadequate remedy for any breach, or threatened breach, of this Agreement by Recipient or its Related Parties. The Port Authority shall be entitled, in addition to all other rights or remedies, to seek such restraining orders and injunctions as it may deem appropriate for any breach of this Agreement, without being required to show any actual damage or to post any bond or other security.

8. **Governing Law**. This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to conflict of laws principles. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient specifically and irrevocably consent to the exclusive jurisdiction of any federal or state court in the County of New York and State of New York with respect to all matters concerning this Agreement and its enforcement. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient agree that the execution and performance of this Agreement shall have a New York situs and, accordingly, they each consent (and solely with respect to the Port Authority, subject to the terms of the Port Authority Legislation (as defined below)) to personal jurisdiction in the State of New York for all purposes and proceedings arising from this Agreement. "**Port Authority Legislation**" shall mean the concurrent legislation of the State of New York and State of New Jersey set forth at Chapter 301 of the Laws of New York of 1950, as amended by Chapter 938 of the Laws of New York of 1974 (McKinney's Unconsolidated Laws §§7101-7112) and Chapter 204 of the Laws of New Jersey of 1951 (N.J.S.A. 32:1-157 to 32:1-168).

9. **Notices**. Any notice, demand or other communication (each, a "**notice**") that is given or rendered pursuant to this Agreement by either party to the other party, shall be: (i) given or rendered, in writing, (ii) addressed to the other party at its required address(es) for notices delivered to it as set forth below, and (iii) delivered by either (x) hand delivery, or (y) nationally recognized courier service (e.g., Federal Express, Express Mail). Any such notice shall be deemed given or rendered, and effective for purposes of this Agreement, as of the date actually delivered to the other party at such address(es) (whether or not the same is then received by other party due to a change of address of which no notice was given, or any rejection or refusal to accept delivery). Notices from either party (to the other) may be given by its counsel.

The required address(es) of each party for notices delivered to it is (are) as set forth below. Each party, however, may, from time to time, designate an additional or substitute required address(es) for notices delivered to it, provided that such designation must be made by notice given in accordance with this Paragraph 9.

Original to the Port Authority:

RFP Bid/Proposal Custodian
The Port Authority of New York and New Jersey
Procurement Department
2 Montgomery Street, 3rd Floor
Jersey City, NJ 07302

with a copy to:

The Port Authority of New York and New Jersey
225 Park Avenue South - 14th Floor
New York, NY 10003
Attn: General Counsel's Office c/o Caroline Ioannou, Law DISO

If to the Recipient: _____

_____

_____

with a copy to: _____

_____

_____

10. **Entire Agreement.** This Agreement contains the complete statement of all the agreements among the parties hereto with respect to the subject matter thereof, and all prior agreements among the parties hereto respecting the subject matter hereof, whether written or oral, are merged herein and shall be of no further force or effect. This Agreement may not be changed, modified, discharged, or terminated, except by an instrument in writing signed by all of the parties hereto.

11. **Counterparts.** This Agreement may be executed in one or more counterparts, each of which shall be deemed to be an original, but all of which shall be one and the same document.

12. **Parties Bound.** This Agreement shall be binding upon the Recipient and its respective successors. The foregoing shall not be affected by the failure of any Related Party to join in this Agreement or to execute and deliver an Acknowledgement hereof.

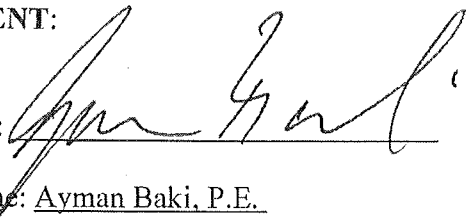
13. **Authority.** The undersigned individual(s) executing this Agreement on behalf of the Recipient below represent(s) that they are authorized to execute this Agreement on behalf of the Recipient and to legally bind such party.

14. **Disclosure of Ownership Rights or License.** Nothing contained herein shall be construed as the granting or conferring by the Port Authority of any rights by ownership, license or otherwise in any Information.

15. **No Liability.** Neither the Commissioners of the Port Authority, nor any of them, nor any officer, agent or employee thereof, shall be charged personally by the Recipient with any liability, or held liable to the Recipient under any term or provision of this Agreement, or because of its execution or attempted execution or because of any breach, or attempted or alleged breach thereof.

16. **Construction.** This Agreement is the joint product of the parties hereto and each provision of this Agreement has been subject to the mutual consultation, negotiation, and agreement of the parties hereto, and shall not be construed for or against any party hereto. The captions of the various sections in this Agreement are for convenience only and do not, and shall not be deemed to, define, limit or construe the contents of such Sections.

RECIPIENT:

Signature: 

Print Name: Ayman Baki, P.E.

Title: Senior Vice President

Date: July 9th, 2014

NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT
BETWEEN

KS Engineers, P.C.

AND

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

THIS NON-DISCLOSURE AND CONFIDENTIALITY AGREEMENT (this "**Agreement**") is made as of this 14th day of July, 2014, by and between **THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY** (the "**Port Authority**") a body corporate and politic created by Compact between the States of New York and New Jersey, with the consent of the Congress of the United States, and having an office and place of business at 225 Park Avenue South, New York, New York, 10003, and KS Engineers, P.C. having an office and place of business at 494 Broad Street, 4th Floor, Newark, NJ ("**Recipient**").

WHEREAS, the Port Authority desires, subject to the terms and conditions set forth below, to disclose to Recipient Protected Information (as defined below) in connection with RFP NO.: 38268, INDEFINITE QUANTITY CONTRACTS (IQCs) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018 (collectively, the "Project(s)", or "Proposed Project(s)"); and

WHEREAS, the Recipient acknowledges that the Port Authority, in furtherance of its performance of essential and critical governmental functions relating to the Project, has existing and significant interests and obligations in establishing, maintaining and protecting the security and safety of the Project site and surrounding areas and related public welfare matters; and

WHEREAS, in furtherance of critical governmental interests regarding public welfare, safety and security at the Project site, the Port Authority has collected information and undertaken the development of certain plans and recommendations regarding the security, safety and protection of the Project site, including the physical construction and current and future operations; and

WHEREAS, the Port Authority and Recipient (collectively, the "**Parties**") acknowledge that in order for Recipient to undertake its duties and/or obligations with regard to its involvement in the Project, the Port Authority may provide Recipient or certain of its Related Parties (as defined below) certain information in the possession of the Port Authority, which may contain or include protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, relating to the Project or its occupants or other matters, the unauthorized disclosure of which could result in significant public safety, financial and other damage to the Port Authority, the Project, its occupants, and the surrounding communities; and

WHEREAS, Recipient recognizes and acknowledges that providing unauthorized access to, or disclosing such information to third parties in violation of the terms of this Agreement could compromise or undermine the existing or future guidelines, techniques and procedures implemented for the protection against terrorist acts or for law enforcement, investigation and prosecutorial purposes, and accordingly could result in significant irreparable harm and injury; and

WHEREAS, in order to protect and preserve the privilege attaching to and the confidentiality of the aforementioned information as well as to limit access to such information to a strict need to know basis, the Port Authority requires, as a condition of its sharing or providing access to such protected, confidential, privileged, classified, commercial, proprietary or sensitive information, documents and plans, that the Recipient enter into this Agreement and that its Related Parties thereafter acknowledge and agree that they will be required to treat as strictly confidential and/or privileged any of such information so provided, as well as the work product and conclusions of any assessments and evaluations or any recommendations relating thereto, and to also fully comply with applicable federal rules and regulations with respect thereto; and

WHEREAS, as a condition to the provision of such information to Recipient and certain Related Parties, the Recipient has agreed to enter into this Agreement with respect to the handling and use of such information and to cause Related Parties to join in and be bound by the terms and conditions of this Agreement.

NOW, THEREFORE, in consideration of the provision by Port Authority of Information for Project Purposes (as each such term is defined below) and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the Recipient and each Related Party that receives such Information, the Recipient and each such Related Party agrees, as follows:

1. **Defined Terms.** In addition to the terms defined in the Recitals above, the following terms shall have the meanings set forth below:

(a) **"Authorized Disclosure"** means the disclosure of Protected Information strictly in accordance with the Confidentiality Control Procedures applicable thereto: (i) as to all Protected Information, only to a Related Party that has a need to know such Protected Information strictly for Project Purposes and that has agreed in writing to be bound by the terms of this Agreement by executing a form of Acknowledgment as set forth in Exhibit A or Exhibit B, as applicable; and (ii) as to Confidential Privileged Information, only to the extent expressly approved in writing and in advance by the Port Authority, and then only the particular Confidential Privileged Information that is required to accomplish an essential element of the Project.

(b) **"Information"** means, collectively, all information, documents, data, reports, notes, studies, projections, records, manuals, graphs, electronic files, computer generated data or information, drawings, charts, tables, diagrams, photographs, and other media or renderings containing or otherwise incorporating information that may be provided or made accessible at any time, whether in writing, orally, visually, photographically, electronically or in any other

form or medium, including, without limitation, any and all copies, duplicates or extracts of the foregoing.

(c) **"Protected Information"** means and includes collectively, Confidential Information, Confidential Privileged Information, Sensitive Security Information (SSI), Critical Infrastructure Information (CII) or Health Insurance Portability and Accountability Act (HIPPA) Information and Information that is labeled, marked or otherwise identified by or on behalf of the Port Authority so as to reasonably connote that such information is confidential, privileged, sensitive or proprietary in nature. The term Protected Information shall also include all work product that contains or is derived from any of the foregoing, whether in whole or in part, regardless of whether prepared by the Recipient, the Port Authority or others, or when the Port Authority receives such information from others and agrees to treat such information as Protected. The following Information shall not constitute Protected Information for the purpose of this Agreement:

(i) Particular Information, other than Confidential Privileged Information, that is provided to the Recipient by a source other than the Port Authority, provided that such source is not subject to a confidentiality agreement, or similar obligation, or understanding with or for the benefit of the Port Authority, with respect to such Information and that the identity of such source is not itself part of such Protected Information.

(ii) Information that is or becomes generally available to the public other than as a result of a disclosure by the Recipient or a Related Party in violation of this Agreement.

(iii) Information that is known to or was in the possession of the Recipient or a Related Party on a non-confidential basis prior to the disclosure of such Information by the Port Authority.

(d) **"Confidential Information"** means and includes collectively, any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized under New York and/or New Jersey state laws or Federal laws. It also includes information that contains sensitive financial, commercial or other proprietary business information concerning or relating to the Port Authority, its projects, operations or facilities that would be exempt from release under the Port Authority Freedom of Information Code.

(e) **"Confidential Privileged Information"** means and includes collectively, (i) Information that reveals security risks, threats, vulnerabilities, documentation that identifies specific physical security vulnerabilities or revealing specific security vulnerabilities details related to emergency response protocols, egress plans, flow paths, egress capacities, (diagrams, codes, standards) etc., which is not publicly available." and any and all Information, documents and materials entitled to protection as a public interest privilege under New York State law and as may be deemed to be afforded or entitled to the protection of any other privilege recognized

under New York and/or New Jersey state laws or Federal laws, and (ii) certain Critical Infrastructure Information.

(f) **"Confidentiality Control Procedures"** means procedures, safeguards and requirements for the identification, processing, protection, handling, care, tracking and storage of Protected Information that are required under applicable federal or state law, the Port Authority Handbook, or by the terms of this Agreement.

(g) **"Critical Infrastructure Information"** (CII) has the meaning set forth in the Homeland Security Act of 2002, under the subtitle Critical Infrastructure Information Act of 2002 (6 U.S.C. §131-134), and any rules or regulations enacted pursuant thereto, including, without limitation, the Office of the Secretary, Department of Homeland Security Rules and Regulations, 6 C.F.R. Part 29 and any amendments thereto. CII may also be referred to as "Protected Critical Infrastructure Information" or "PCII", as provided for in the referenced rules and regulations and any amendments thereto.

(h) **"Sensitive Security Information"** (SSI) has the definition and requirements set forth in the Transportation Security Administrative Rules & Regulations, 49 CFR 1520, (49 U.S.C. §114) and in the Office of the Secretary of Transportation Rules & Regulations, 49 CFR 15, (49 U.S.C. §40119).

(i) **"Health Insurance Portability and Accountability Act"** (HIPAA) Information Employees, associates or other contract personnel who have access to Protected Health Information (PHI) must refer to, and comply with, the Privacy Policies and Procedures to Protect Personal Health Information. Privacy regulations issued under the Health Insurance Portability and Accountability Act of 1996 ("HIPAA" or "Privacy Laws") place restrictions on the Group Health Plans of the Port Authority and PATH (the "Plans") ability to use and disclose Protected Health Information ("PHI").

(j) **"Port Authority Handbook"** means The Port Authority of New York and New Jersey. Information Security Handbook, as may be amended by the Port Authority, from time to time.

(k) **"Project Purposes"** means the use of Protected Information strictly and only for purposes related to Recipient's and its Related Parties' participation and involvement in the Project, and only for such period of time during which Recipient and its Related Parties are involved in Project related activities.

(l) **"Related Party"** and **"Related Parties"** means the directors, employees, officers, partners or members of the Recipient, as applicable, and the Recipient's outside consultants, attorneys, advisors, accountants, architects, engineers or subcontractors or sub-consultants (and their respective directors, employees, officers, partners or members) to whom any Protected Information is disclosed or made available.

2. **Use of Protected Information.** All Protected Information shall be used by the Recipient in accordance with the following requirements:

(a) All Protected Information shall be held in confidence and shall be processed, treated, disclosed and used by the Recipient and its Related Parties only for Project Purposes and in accordance with the Confidentiality Control Procedures established pursuant to Paragraph 2(c), below, including, without limitation, the Port Authority Handbook, receipt of which is acknowledged by Recipient and shall be acknowledged in writing by each Related Party by signing the Acknowledgment attached hereto as Exhibit A or Exhibit B, as applicable, and applicable legal requirements. Protected Information may be disclosed, only if and to the extent that such disclosure is an Authorized Disclosure.

(b) Recipient and each Related Party acknowledges and agrees that (i) any violation by the Recipient or any of its Related Parties of the terms, conditions or restrictions of this Agreement relating to Protected Information may result in penalties and other enforcement or corrective action as set forth in such statutes and regulations, including, without limitation, the issuance of orders requiring retrieval of Sensitive Security Information and Critical Infrastructure Information to remedy unauthorized disclosure and to cease future unauthorized disclosure and (ii) pursuant to the aforementioned Federal Regulations, including, without limitation, 49 C.F.R. §§ 15.17 and 1520.17, any such violation thereof or mishandling of information therein defined may constitute grounds for a civil penalty and other enforcement or corrective action by the United States Department of Transportation and the United States Department of Homeland Security, and appropriate personnel actions for Federal employees.

(c) Recipient and each Related Party covenants to the Port Authority that it has established, promulgated and implemented Confidentiality Control Procedures for identification, handling, receipt, care, and storage of Protected Information to control and safeguard against any violation of the requirements of this Agreement and against any unauthorized access, disclosure, modification, loss or misuse of Protected Information. Recipient and each Related Party shall undertake reasonable steps consistent with such Confidentiality Control Procedures to assure that disclosure of Protected Information is compartmentalized, such that all Protected Information shall be disclosed only to those persons and entities authorized to receive such Information as an Authorized Disclosure under this Agreement and applicable Confidentiality Control Procedures. The Confidentiality Control Procedures shall, at a minimum, adhere to, and shall not be inconsistent with, the procedures and practices established in the Port Authority Handbook.

(d) The Port Authority reserves the right to audit Recipient's Confidentiality Control Procedures, and those of each Related Party, as applicable, to ensure that it is in compliance with the terms of this Agreement.

(e) The Port Authority may request in writing that the Recipient or any Related Parties apply different or more stringent controls on the handling, care, storage and disclosure of particular items of Protected Information as a precondition for its disclosure. The Port Authority may decline any request by the Recipient or any of its Related Parties to provide such item of Protected Information if the Recipient or any of the Related Parties do not agree in writing to apply such controls.

(f) Nothing in this Agreement shall require the Port Authority to tender or provide access to or possession of any Protected Information to the Recipient or its Related Parties, whether or not the requirements of this Agreement are otherwise satisfied. However, if such

Protected Information is provided and accepted, the Recipient and its Related Parties shall abide by the terms, conditions and requirements of this Agreement.

(g) The Recipient and each Related Party agrees to be responsible for enforcing the provisions of this Agreement with respect to its Related Parties, in accordance with the Confidentiality Control Procedures. Except as required by law pursuant to written advice of competent legal counsel, or with the Port Authority's prior written consent, neither the Recipient, nor any of the Related Parties shall disclose to any third party, person or entity: (i) any Protected Information under circumstances where the Recipient is not fully satisfied that the person or entity to whom such disclosure is about to be made shall act in accordance with the Confidentiality Control Procedures whether or not such person or entity has agreed in writing to be bound by the terms of this Agreement or any "Acknowledgement" of its terms or (ii) the fact that Protected Information has been made available to the Recipient or such Related Parties, or the content or import of such Protected Information. The Recipient is responsible for collecting and managing the Acknowledgments signed by Related Parties pursuant to this Agreement. Recipient shall, at the Port Authority's request, provide the Port Authority a list of all Related Parties who have signed an Acknowledgment, and copies of such Acknowledgments.

(h) As to all Protected Information provided by or on behalf of the Port Authority, nothing in this Agreement shall constitute or be construed as a waiver of any public interest privilege or other protections established under applicable state or federal law.

3. **Disclosures and Discovery Requests.** If a subpoena, discovery request, Court Order, Freedom of Information Request, or any other request or demand authorized by law seeking disclosure of the Protected Information is received by the Recipient or any Related Party, Recipient shall notify the Port Authority thereof, to the extent permitted by law, with sufficient promptness so as to enable the Port Authority to investigate the circumstances, prepare any appropriate documentation and seek to quash the subpoena, to seek a protective order, or to take such other action regarding the request as it deems appropriate. In the absence of a protective order, disclosure shall be made, in consultation with the Port Authority, of only that part of the Protected Information as is legally required to be disclosed. If at any time Protected Information is disclosed in violation of this Agreement, the Recipient shall immediately give the Port Authority written notice of that fact and a detailed account of the circumstances regarding such disclosure to the Port Authority.

4. **Retention Limitations; Return of Protected Information.** Upon the earlier occurrence of either the Port Authority's written request or completion of Recipient's need for any or all Protected Information, such Protected Information, all writings and material describing, analyzing or containing any part of such Protected Information, including any and all portions of Protected Information that may be stored, depicted or contained in electronic or other media and all copies of the foregoing shall be promptly delivered to the Port Authority at Recipient's expense. In addition, as to Protected Information that may be stored in electronic or similar form, such Protected Information shall be deleted and completely removed so that such Protected Information is incapable of being recovered from all computer databases of the Recipient and all Related Parties. The Recipient may request in writing that the Port Authority consent to destruction of Protected Information, writings and materials in lieu of delivery thereof to the Port Authority. The Port Authority shall not unreasonably withhold its consent to such request. If the

Port Authority consents to such destruction, the Recipient and each Related Party shall deliver to the Port Authority a written certification by Recipient and such Related Party that such Protected Information, writings and materials have been so destroyed within such period as may be imposed by the Port Authority. Notwithstanding the foregoing, to the extent required for legal or compliance purposes, the Recipient may retain copies of Protected Information (in any format), provided that (a) the Port Authority is notified in writing of such retention, and (b) Recipient continues to abide by the requirements of this Agreement with respect to the protection of such Protected Information.

5. **Duration and Survival of Confidentiality Obligations.** The obligations under this Agreement shall be perpetual (unless otherwise provided in this Agreement) or until such time as the Protected Information is no longer considered protected, confidential and/or privileged by the Port Authority.

6. **Severability.** Each provision of this Agreement is severable and if a court should find any provision of this Agreement to be unenforceable, all other provisions of this Agreement shall remain in full force and effect.

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8. **Governing Law.** This Agreement shall be governed by and construed in accordance with the laws of the State of New York, without regard to conflict of laws principles. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient specifically and irrevocably consent to the exclusive jurisdiction of any federal or state court in the County of New York and State of New York with respect to all matters concerning this Agreement and its enforcement. The Port Authority (subject to the terms of the Port Authority Legislation (as defined below)) and the Recipient agree that the execution and performance of this Agreement shall have a New York situs and, accordingly, they each consent (and solely with respect to the Port Authority, subject to the terms of the Port Authority Legislation (as defined below)) to personal jurisdiction in the State of New York for all purposes and proceedings arising from this Agreement. **"Port Authority Legislation"** shall mean the concurrent legislation of the State of New York and State of New Jersey set forth at Chapter 301 of the Laws of New York of 1950, as amended by Chapter 938 of the Laws of New York of 1974 (McKinney's Unconsolidated Laws §§7101-7112) and Chapter 204 of the Laws of New Jersey of 1951 (N.J.S.A. 32:1-157 to 32:1-168).

9. **Notices.** Any notice, demand or other communication (each, a **"notice"**) that is given or rendered pursuant to this Agreement by either party to the other party, shall be: (i) given or rendered, in writing, (ii) addressed to the other party at its required address(es) for notices

delivered to it as set forth below, and (iii) delivered by either (x) hand delivery, or (y) nationally recognized courier service (e.g., Federal Express, Express Mail). Any such notice shall be deemed given or rendered, and effective for purposes of this Agreement, as of the date actually delivered to the other party at such address(es) (whether or not the same is then received by other party due to a change of address of which no notice was given, or any rejection or refusal to accept delivery). Notices from either party (to the other) may be given by its counsel.

The required address(es) of each party for notices delivered to it is (are) as set forth below. Each party, however, may, from time to time, designate an additional or substitute required address(es) for notices delivered to it, provided that such designation must be made by notice given in accordance with this Paragraph 9.

Original to the Port Authority:	Cory Mermer The Port Authority of New York and New Jersey 2 Mongomery Street, 3rd floor Jersey City, NJ 07302
with a copy to:	The Port Authority of New York and New Jersey 225 Park Avenue South - 14th Floor New York, NY 10003 Attn: General Counsel's Office c/o Caroline Ioannou, Law DISO
If to the Recipient:	_____ _____ _____
with a copy to:	_____ _____ _____

10. **Entire Agreement.** This Agreement contains the complete statement of all the agreements among the parties hereto with respect to the subject matter thereof, and all prior agreements among the parties hereto respecting the subject matter hereof, whether written or oral, are merged herein and shall be of no further force or effect. This Agreement may not be changed, modified, discharged, or terminated, except by an instrument in writing signed by all of the parties hereto.

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12. **Parties Bound.** This Agreement shall be binding upon the Recipient and its respective successors. The foregoing shall not be affected by the failure of any Related Party to join in this Agreement or to execute and deliver an Acknowledgement hereof.

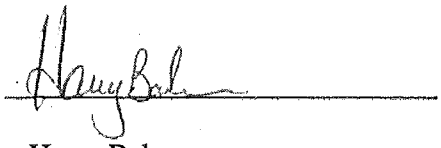
13. **Authority.** The undersigned individual(s) executing this Agreement on behalf of the Recipient below represent(s) that they are authorized to execute this Agreement on behalf of the Recipient and to legally bind such party.

14. **Disclosure of Ownership Rights or License.** Nothing contained herein shall be construed as the granting or conferring by the Port Authority of any rights by ownership, license or otherwise in any Information.

15. **No Liability.** Neither the Commissioners of the Port Authority, nor any of them, nor any officer, agent or employee thereof, shall be charged personally by the Recipient with any liability, or held liable to the Recipient under any term or provision of this Agreement, or because of its execution or attempted execution or because of any breach, or attempted or alleged breach thereof.

16. **Construction.** This Agreement is the joint product of the parties hereto and each provision of this Agreement has been subject to the mutual consultation, negotiation, and agreement of the parties hereto, and shall not be construed for or against any party hereto. The captions of the various sections in this Agreement are for convenience only and do not, and shall not be deemed to, define, limit or construe the contents of such Sections.

RECIPIENT:

Signature: 

Print Name: Harry Baker

Title: Vice President

Date: July 14, 2014

EXHIBIT A

ACKNOWLEDGMENT BY RELATED PARTY INDIVIDUAL

I, Harry Baker ("**Related Party**"), am employed as a(n) Vice President by KS Engineers, P.C.. I have been provided with and have read the Non Disclosure and Confidentiality Agreement between Gannett Fleming Engineers and Architects, P.C./Tectonic Engineering & Surveying Consultants, P.C. Joint Venture (the "**Recipient**") and The Port Authority of New York and New Jersey (the "**Port Authority**") dated July 14, 2014 (hereinafter the "**Agreement**"), and the Port Authority Handbook attached to the Agreement. I understand that because of my employer's relationship with Gannett Fleming Engineers and Architects, P.C./Tectonic Engineering & Surveying Consultants, P.C. Joint Venture, both my employer and I may be provided with access to, and/or copies of, sensitive security materials, protected or confidential information. If it is required for me to review or receive Protected Information, as it is defined in the aforementioned Agreement, I acknowledge that I will be bound by each and every term and provision contained therein, and that failure to do so may include, but is not limited to, the imposition of disciplinary action and sanctions, and/or the institution of legal action seeking injunctive relief, monetary and/or criminal penalties for violation of law and/or Port Authority policies and procedures, as well as for violation of federal and/or state regulations.

To the extent that I am currently in the possession of, or have previously come into contact with, marked information as it relates to the aforementioned Agreement, I agree to conform my handling procedures for Protected Information to the practices and procedures set forth and defined herein, or risk loss of access to said Information, removal from said Project and/or subjecting myself to the aforementioned disciplinary actions and/or civil and criminal penalties.

Signature: Harry Baker

Print Name: Harry Baker

Date: July 14, 2014

EXHIBIT B

ACKNOWLEDGMENT BY RELATED PARTY ENTITY

The undersigned, Harry Baker, is the [Vice President] of KS Engineers, P.C., a Sub Chapter S Corporation ("**Related Party**"), located at 494 Broad Street, 4th Floor, New York, NY 07102, and is duly authorized to execute this Acknowledgment on behalf of the above Related Party. The above Related Party is involved with the functions of [Construction Inspection Services] in connection with RFP NO.: 38268, INDEFINITE QUANTITY CONTRACTS (IQCs) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS-NEEDED" BASIS THROUGH 2018 for The Port Authority of New York and New Jersey (the "**Port Authority**"). I acknowledge and confirm that the above named Related Party has been provided with a copy of and shall be bound and shall abide by all of the terms, requirements and conditions set forth in the Non Disclosure and Confidentiality Agreement dated [July] [14], [2014], between [Gannett Fleming Engineers and Architects, P.C./Tectonic Engineering & Surveying Consultants, P.C. Joint Venture] (the "**Recipient**") and the Port Authority (hereinafter the "**Agreement**"), and by the Port Authority Handbook described in the Agreement. Appropriate and responsible officers and employees of the Related Party have carefully read and understand the terms and conditions of the Agreement. The Related Party has notice and acknowledges that any breach or violation of such terms, requirements and conditions may result in the imposition of remedies or sanctions as set forth or otherwise described therein against such Related Party.

Signature: Harry Baker

Print Name: [Harry Baker]

Date: [July 14, 2014]

EXHIBIT A

ACKNOWLEDGMENT BY RELATED PARTY INDIVIDUAL

I, [Nawal Ibrahim, P.E.] ("**Related Party**"), am employed as a (President/CEO) by [VRX, Inc]. I have been provided with and have read the Non Disclosure and Confidentiality Agreement between [Tectonic Engineering & Gannett Fleming] (the "**Recipient**") and The Port Authority of New York and New Jersey (the "**Port Authority**") dated [5a] [5b], [5c] (hereinafter the "**Agreement**"), and the Port Authority Handbook attached to the Agreement. I understand that because of my employer's relationship with [Tectonic Engineering & Gannett Fleming], both my employer and I may be provided with access to, and/or copies of, sensitive security materials, protected or confidential information. If it is required for me to review or receive Protected Information, as it is defined in the aforementioned Agreement, I acknowledge that I will be bound by each and every term and provision contained therein, and that failure to do so may include, but is not limited to, the imposition of disciplinary action and sanctions, and/or the institution of legal action seeking injunctive relief, monetary and/or criminal penalties for violation of law and/or Port Authority policies and procedures, as well as for violation of federal and/or state regulations.

To the extent that I am currently in the possession of, or have previously come into contact with, marked information as it relates to the aforementioned Agreement, I agree to conform my handling procedures for Protected Information to the practices and procedures set forth and defined herein, or risk loss of access to said Information, removal from said Project and/or subjecting myself to the aforementioned disciplinary actions and/or civil and criminal penalties.

Signature:

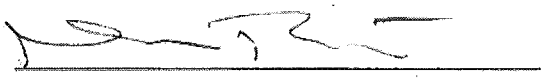
Print Name: [Nawal Ibrahim, P.E.]

Date: [7/9/2014]

EXHIBIT B

ACKNOWLEDGMENT BY RELATED PARTY ENTITY

The undersigned, [Nawal Ibrahim, P.E.], is the [President/CEO] of [VRX, INC.], a [Corporation] ("**Related Party**"), located at [415 Madison Avenue, Suite 1402, New York, NY 10017], and is duly authorized to execute this Acknowledgment on behalf of the above Related Party. The above Related Party is involved with the functions of [Construction Management Services] in connection with [38268 IQCS CM & Inspection for Storm Related Projects] for The Port Authority of New York and New Jersey (the "**Port Authority**"). I acknowledge and confirm that the above named Related Party has been provided with a copy of and shall be bound and shall abide by all of the terms, requirements and conditions set forth in the Non Disclosure and Confidentiality Agreement dated [8a] [8b], [8c], between [Tectonic Engineering & Gannett Fleming, P.C.] (the "**Recipient**") and the Port Authority (hereinafter the "**Agreement**"), and by the Port Authority Handbook described in the Agreement. Appropriate and responsible officers and employees of the Related Party have carefully read and understand the terms and conditions of the Agreement. The Related Party has notice and acknowledges that any breach or violation of such terms, requirements and conditions may result in the imposition of remedies or sanctions as set forth or otherwise described therein against such Related Party.

Signature: 

Print Name: [Nawal Ibrahim, P.E.]

Date: [7/9/2014]

EXHIBIT A

ACKNOWLEDGMENT BY RELATED PARTY INDIVIDUAL

I, Esperanza Arias ("**Related Party**"), am employed as an Owner/General Manager by, NY Professional Services. I have been provided with and have read the Non Disclosure and Confidentiality Agreement between TECTONIC ENGINEERING & SURVEYING CONSULTANTS, P.C AND GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C. (the "**Recipient**") and The Port Authority of New York and New Jersey (the "**Port Authority**") dated July 9th , 2014 (hereinafter the "**Agreement**"), and the Port Authority Handbook attached to the Agreement. I understand that because of my employer's relationship with TECTONIC ENGINEERING & SURVEYING CONSULTANTS, P.C AND GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C both my employer and I may be provided with access to, and/or copies of, sensitive security materials, protected or confidential information. If it is required for me to review or receive Protected Information, as it is defined in the aforementioned Agreement, I acknowledge that I will be bound by each and every term and provision contained therein, and that failure to do so may include, but is not limited to, the imposition of disciplinary action and sanctions, and/or the institution of legal action seeking injunctive relief, monetary and/or criminal penalties for violation of law and/or Port Authority policies and procedures, as well as for violation of federal and/or state regulations.
To the extent that I am currently in the possession of, or have previously come into contact with, marked information as it relates to the aforementioned Agreement, I agree to conform my handling procedures for Protected Information to the practices and procedures set forth and defined herein, or risk loss of access to said Information, removal from said Project and/or subjecting myself to the aforementioned disciplinary actions and/or civil and criminal penalties.

Signature: _____
Print Name: Esperanza Arias

Date: July 1, 2014

Port Authority Handbook NDA 103113

EXHIBIT B

ACKNOWLEDGMENT BY RELATED PARTY ENTITY

The undersigned, Esperanza Arias, is the Owner/General Manager of NY Professional Services One, LLC, a Limited Liability Company("**Related Party**"), located at 4 Swarthmore Rd., Scarsdale, New York 10583, and is duly authorized to execute this Acknowledgment on behalf of the above Related Party. The above Related Party is involved with the functions of Construction Management and Inspection Services in connection with RFP NO: 38268 REQUEST FOR PROPOSALS FOR INDEFINITE QUANTITY CONTRACTS (IQCS) FOR PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES FOR FEDERALLY FUNDED STORM RELATED RESILIENCY PROJECTS ON AN "AS NEEDED" BASIS THROUGH 2018 for The Port Authority of New York and New Jersey (the "**Port Authority**"). I acknowledge and confirm that the above named Related Party has been provided with a copy of and shall be bound and shall abide by all of the terms, requirements and conditions set forth in the Non Disclosure and Confidentiality Agreement dated July 9th, 2014 between with TECTONIC ENGINEERING & SURVEYING CONSULTANTS , P.C AND GANNETT FLEMING ENGINEERS AND ARCHITECTS, P.C (the "**Recipient**") and the Port Authority (hereinafter the "**Agreement**"), and by the Port Authority Handbook described in the Agreement. Appropriate and responsible officers and employees of the Related Party have carefully read and understand the terms and conditions of the Agreement. The Related Party has notice and acknowledges that any breach or violation of such terms, requirements and conditions may result in the imposition of remedies or sanctions as set forth or otherwise described therein against such Related Party.

Signature: _____

Print Name: Esperanza Arias

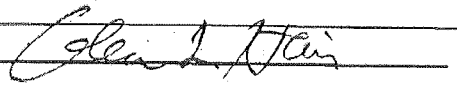
Date: July 1, 2012

FEMA REQUIREMENTS

STANDARD FORM LLL - DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action:	2. Status of Federal Action:	3. Report Type:
X a. contract	X a. bid/offer/application	X a. initial filing
___ b. grant	___ b. initial award	___ b. material change
___ c. cooperative agreement	___ c. post award	
___ d. loan		**For material change only:**
___ e. loan guarantee		Year _____ quarter _____
___ f. loan insurance		Date of last report_____

4. Name and Address of Reporting Entity:	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:
Gannett Fleming Engineers and Architects, P.C. Two Penn Plaza, Suite 552, 380 Seventh Avenue New York, NY 10121-0101 X Prime ___ Subawardee Tier_____, if Known: **Congressional District, *if known*:**	N/A **Congressional District, *if known*:**
6. Federal Department/Agency: Federal Emergency Management Agency	**7. Federal Program Name/Description:** PANYNJ RFP for IQCs for Performance of Expert Professional Construction Management and Inspection Services for Federally Funded Storm Related Resiliency Projects on an "As-Needed" Basis through 2018 CFDA Number, *if applicable*: _____
8. Federal Action Number, *if known:* PANYNJ RFP #38268	**9. Award Amount,** *if known:* $ N/A
10. a. Name and Address of Lobbying Registrant *(if individual, last name, first name, MI):* N/A	**b. Individuals Performing Services** *(including address if different from No. 10a)* *(last name, first name, MI):* N/A
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.	**Signature:**  **Print Name:** Glen L. Hair, P.E. **Title:** Senior Vice President and Secretary **Telephone No.:** 717-763-7211 **Date:** 7/9/14
Federal Use Only	**Authorized for Local Reproduction** **Standard Form - LLL (Rev. 7-97)**

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352

The undersigned Glen L. Hair, P.E., Senior Vice President and Secretary
(name of authorized officer)
certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying, Activities" in accordance with its instructions.

- The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by, 31, U.S. C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Note: Pursuant to 31 U.S.C § 1352(c)(I)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.

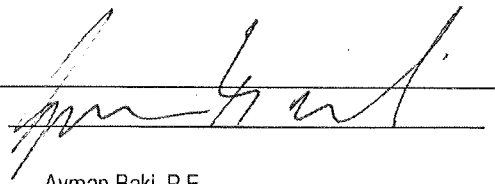
The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

Executed this day 9th of July, ~~2013~~ 2014
By: _____
Signature of Authorized Official
Glen L. Hair, P.E., Senior Vice President and Secretary
Official Name and Title of Authorized Official Gannett Fleming Engineers and Architects, P.C.

STANDARD FORM LLL - DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action:	2. Status of Federal Action:	3. Report Type:
X a. contract	X a. bid/offer/application	X a. initial filing
___ b. grant	___ b. initial award	___ b. material change
___ c. cooperative agreement	___ c. post award	
___ d. loan		**For material change only:**
___ e. loan guarantee		Year _____ quarter _____
___ f. loan insurance		Date of last report _____

4. Name and Address of Reporting Entity:	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:
Tectonic Engineering & Surveying Consultants P.C. 29-16 40th Avenue, Long Island City, NY 11101 X Prime ___ Subawardee Tier ___, if Known: **Congressional District, *if known*:**	**Congressional District, *if known*:**
6. Federal Department/Agency: N/A	**7. Federal Program Name/Description:** N/A CFDA Number, *if applicable*: _____
8. Federal Action Number, *if known*: N/A	**9. Award Amount, *if known*:** $
10. a. Name and Address of Lobbying Registrant *(if individual, last name, first name, MI):* None	**b. Individuals Performing Services** *(including address if different from No. 10a)* *(last name, first name, MI):*
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.	**Signature:**  **Print Name:** Ayman Baki, P.E. **Title:** Senior Vice President **Telephone No.:** 718-391-9200 **Date:** 7/9/2014
Federal Use Only	**Authorized for Local Reproduction** **Standard Form - LLL (Rev. 7-97)**

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352

The undersigned

Ayman Baki, P.E.

(name of authorized officer)

certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying, Activities" in accordance with its instructions.

- The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by, 31, U.S. C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Note: Pursuant to 31 U.S.C § 1352(c)(I)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

Executed this day 9th of July, 2014

By: _____

Signature of Authorized Official

Ayman Baki, P.E., Senior Vice President

Official Name and Title of Authorized Official

FTA REQUIREMENTS

STANDARD FORM LLL - DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action:	2. Status of Federal Action:	3. Report Type:
X a. contract	X a. bid/offer/application	X a. initial filing
____ b. grant	____ b. initial award	____ b. material change
____ c. cooperative agreement	____ c. post award	
____ d. loan		**For material change only:**
____ e. loan guarantee		Year _____ quarter _____
____ f. loan insurance		Date of last report _____

4. Name and Address of Reporting Entity:	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:
Gannett Fleming Engineers and Architects, P.C. Two Penn Plaza, Suite 552, 380 Seventh Avenue New York, NY 10121-0101 X Prime ____ Subawardee Tier_____, if Known: **Congressional District, *if known*:**	N/A **Congressional District, *if known*:**
6. Federal Department/Agency: Federal Transit Administration	**7. Federal Program Name/Description:** PANYNJ RFP for IQCs for Performance of Expert Professional Construction Management and Inspection Services for Federally Funded Storm Related Resiliency Projects on an "As-Needed" Basis through 2018 CFDA Number, *if applicable*: _____
8. Federal Action Number, *if known:* PANYNJ RFP #38268	**9. Award Amount, *if known:*** $ N/A
10. a. Name and Address of Lobbying Registrant *(if individual, last name, first name, MI):* N/A	**b. Individuals Performing Services** *(including address if different from No. 10a)* *(last name, first name, MI):* N/A
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Federal Use Only	**Authorized for Local Reproduction** **Standard Form - LLL (Rev. 7-97)**

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352

The undersigned Glen L. Hair, P.E., Senior Vice President and Secretary
(name of authorized officer)
certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying, Activities" in accordance with its instructions.

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The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

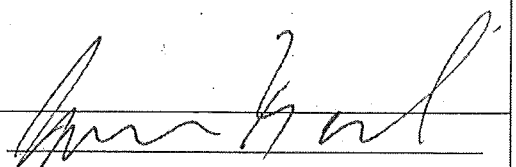
Executed this day 9th of July, 2010 2014
By: _____
Signature of Authorized Official
Glen L. Hair, P.E., Senior Vice President and Secretary
Official Name and Title of Authorized Official Gannett Fleming Engineers and Architects, P.C.

FTA REQUIREMENTS

STANDARD FORM LLL - DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

1. Type of Federal Action:	2. Status of Federal Action:	3. Report Type:
X a. contract	X a. bid/offer/application	X a. initial filing
___ b. grant	___ b. initial award	___ b. material change
___ c. cooperative agreement	___ c. post award	
___ d. loan		**For material change only:**
___ e. loan guarantee		Year _____ quarter _____
___ f. loan insurance		Date of last report _____

4. Name and Address of Reporting Entity:	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:
Tectonic Engineering & Surveying Consultants P.C. 29-16 40th Avenue, Long Island City, NY 11101 X Prime ___ Subawardee Tier ___, if Known: **Congressional District, *if known*:**	**Congressional District, *if known*:**
6. Federal Department/Agency: N/A	**7. Federal Program Name/Description:** N/A CFDA Number, *if applicable*: _____
8. Federal Action Number, *if known*: N/A	**9. Award Amount, *if known*:** $
10. a. Name and Address of Lobbying Registrant *(if individual, last name, first name, MI):* None	**b. Individuals Performing Services** *(including address if different from No. 10a)* *(last name, first name, MI):*
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.	**Signature:**  **Print Name:** Ayman Baki, P.E. **Title:** Senior Vice President **Telephone No.:** 718-391-9200 **Date:** 7/9/2014
Federal Use Only	**Authorized for Local Reproduction** **Standard Form - LLL (Rev. 7-97)**

CERTIFICATION REGARDING LOBBYING PURSUANT TO 31 U.S.C. 1352

The undersigned Ayman Baki, P.E.
(name of authorized officer)
certifies, to the best of my knowledge and belief, that:

- No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form LLL, "Disclosure of Lobbying, Activities" in accordance with its instructions.

- The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by, 31, U.S. C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

Note: Pursuant to 31 U.S.C § 1352(c)(I)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.

The Contractor certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

Executed this day 9th of July, 2014

By: _____
Signature of Authorized Official
Ayman Baki, P.E., Senior Vice President
Official Name and Title of Authorized Official

BUY AMERICA CERTIFICATIONS

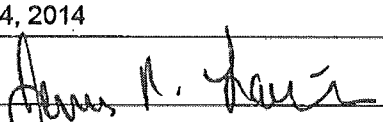
A bidder or offeror must submit to the FTA recipient the appropriate Buy America certification (below) with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America certification must be rejected as nonresponsive. This requirement does not apply to lower tier subcontractors.

CERTIFICATION REQUIREMENT FOR PROCUREMENT OF STEEL, IRON, OR MANUFACTURED PRODUCTS (NON- ROLLING STOCK)

Certificate of Compliance with 49 U.S.C. 5323(j)(1)

The bidder or offeror hereby certifies that it will meet the requirements of 49 U.S.C. 5323(j)(1) and the applicable regulations in 49 CFR Part 661.5.

Date July 14, 2014

Signature 

Company Name Gannett Fleming Engineers and Architects, P.C.

Title James R. Laurita, PE, President

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(1)

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(1) and 49 C.F.R. 661.5, but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Date _____

Signature _____

Company Name _____

Title _____

CERTIFICATION REQUIREMENT FOR PROCUREMENT OF BUSES, OTHER ROLLING STOCK AND ASSOCIATED EQUIPMENT (ROLLING STOCK)

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C).

The bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 C.F.R. Part 661.11.

Date July 14, 2014

Signature _____

Company Name Gannett Fleming Engineers and Architects, P.C.

Title James R. Laurita, PE, President

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and 49 C.F.R. 661.11, but may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Date _____

Signature _____

Company Name _____

Title _____

(N/A)

BUY AMERICA CERTIFICATIONS

A bidder or offeror must submit to the FTA recipient the appropriate Buy America certification (below) with all bids or offers on FTA-funded contracts, except those subject to a general waiver. Bids or offers that are not accompanied by a completed Buy America certification must be rejected as nonresponsive. This requirement does not apply to lower tier subcontractors.

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Date _____

Signature _____

Company Name _____

Title _____

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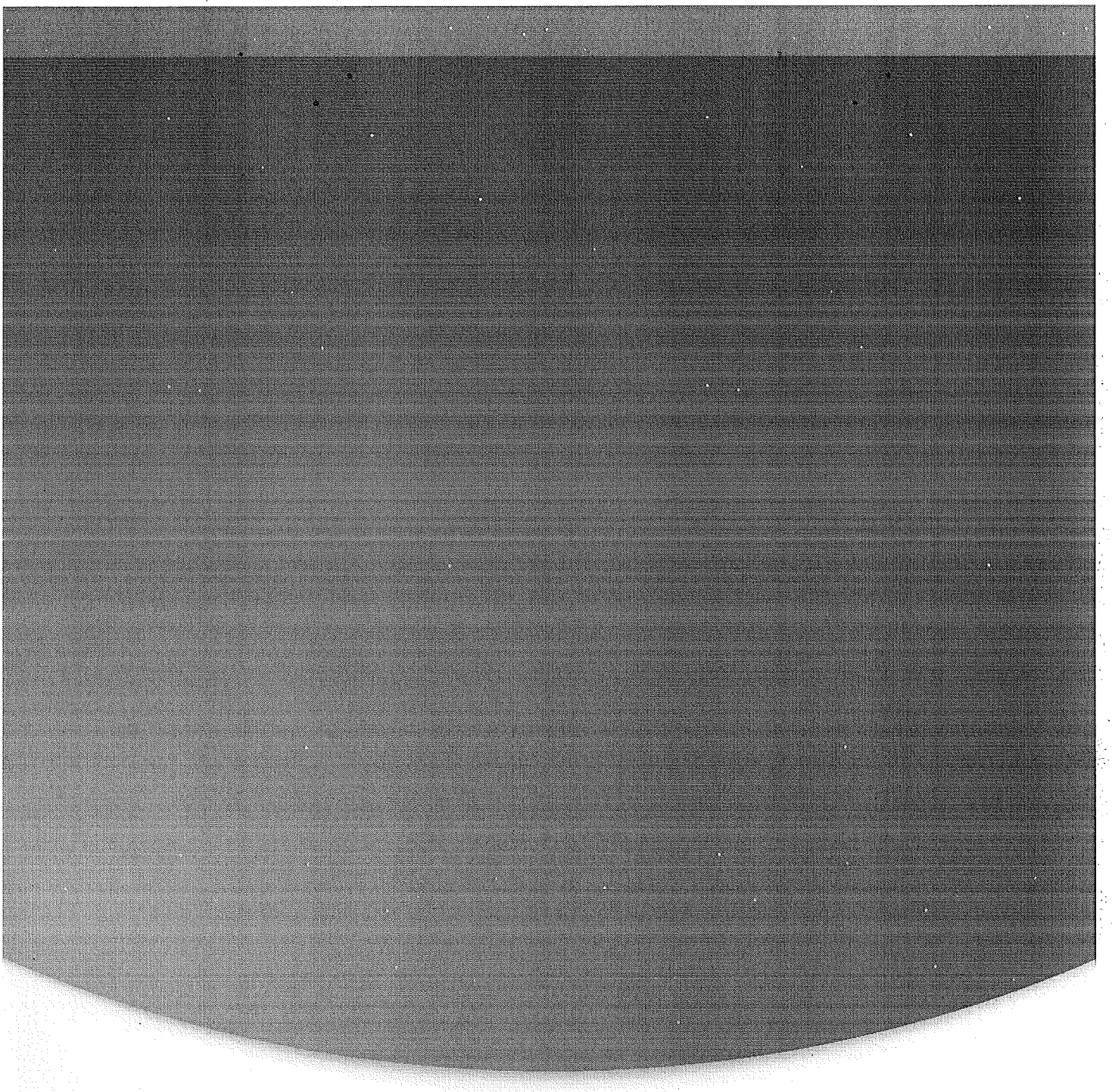
The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(1) and 49 C.F.R. 661.5, but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(A), 5323(j)(2)(B), or 5323(j)(2)(D), and 49 C.F.R. 661.7.

Date _____

Signature _____

Company Name _____

Title _____

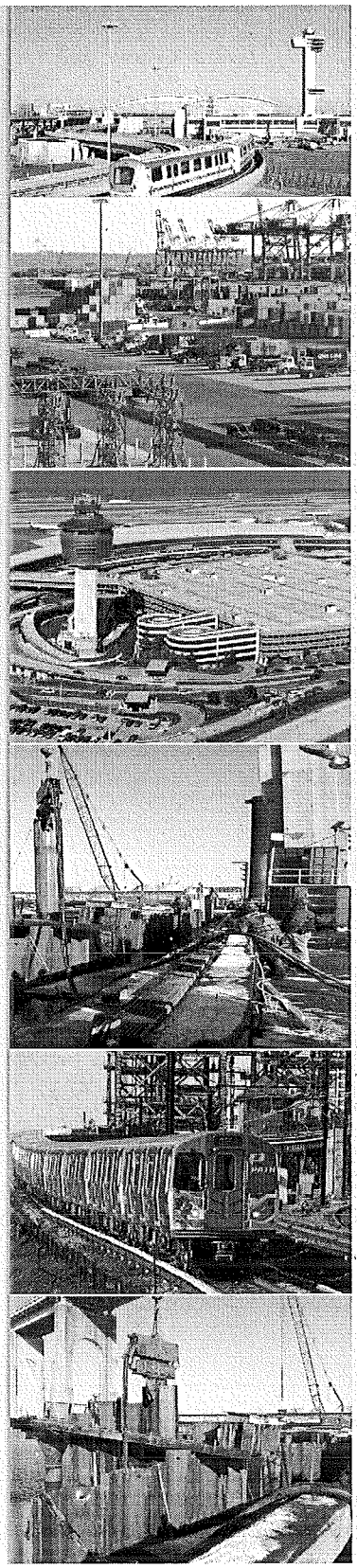


Gannett Fleming
Engineers and Architects, P.C.

Two Penn Plaza • Suite 552 • 380 Seventh Avenue • New York, NY 10121-0101

t: 212.967.9833 • **f:** 212.268.6684

www.**gannettfleming**.com



September 2014

THE PORT AUTHORITY OF NY & NJ

Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

RESPONSE TO REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018

RFP NO.: 39247

PREPARED FOR:

THE PORT AUTHORITY OF NY & NJ

TECHNICAL PROPOSAL

PREPARED BY:

JOINT VENTURE
D&B ENGINEERS AND ARCHITECTS, P.C. AND KS ENGINEERS, P.C.

SEPTEMBER 18, 2014

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THE PORT AUTHORITY OF NY & NJ

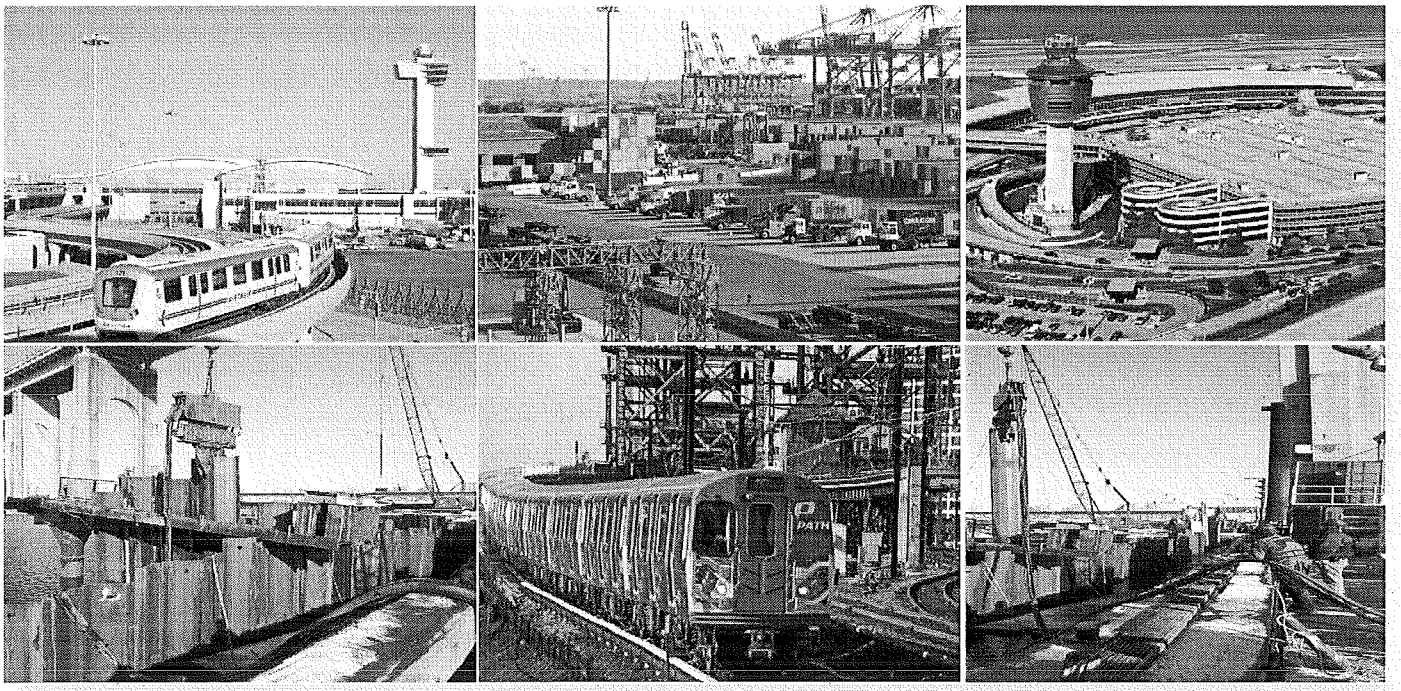
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section A

Attachment B (Agreement on Terms of Discussion)



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

ATTACHMENT B

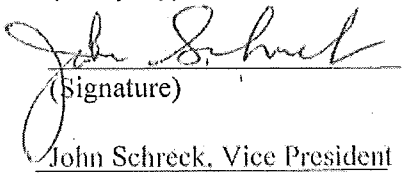
REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

D&B Engineers and Architects, P.C.
(Company)


(Signature)

John Schreck, Vice President
(Title)

9/10/2014
(Date)

ORIGINAL AND PHOTOCOPIES OF THIS PAGE ONLY.
DO NOT RETYPE.

ATTACHMENT B

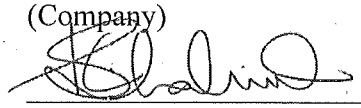
REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

KS Engineers, P.C.
(Company)



(Signature)

President
(Title)

September 10, 2014
(Date)

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DO NOT RETYPE.

THE PORT AUTHORITY OF NY & NJ

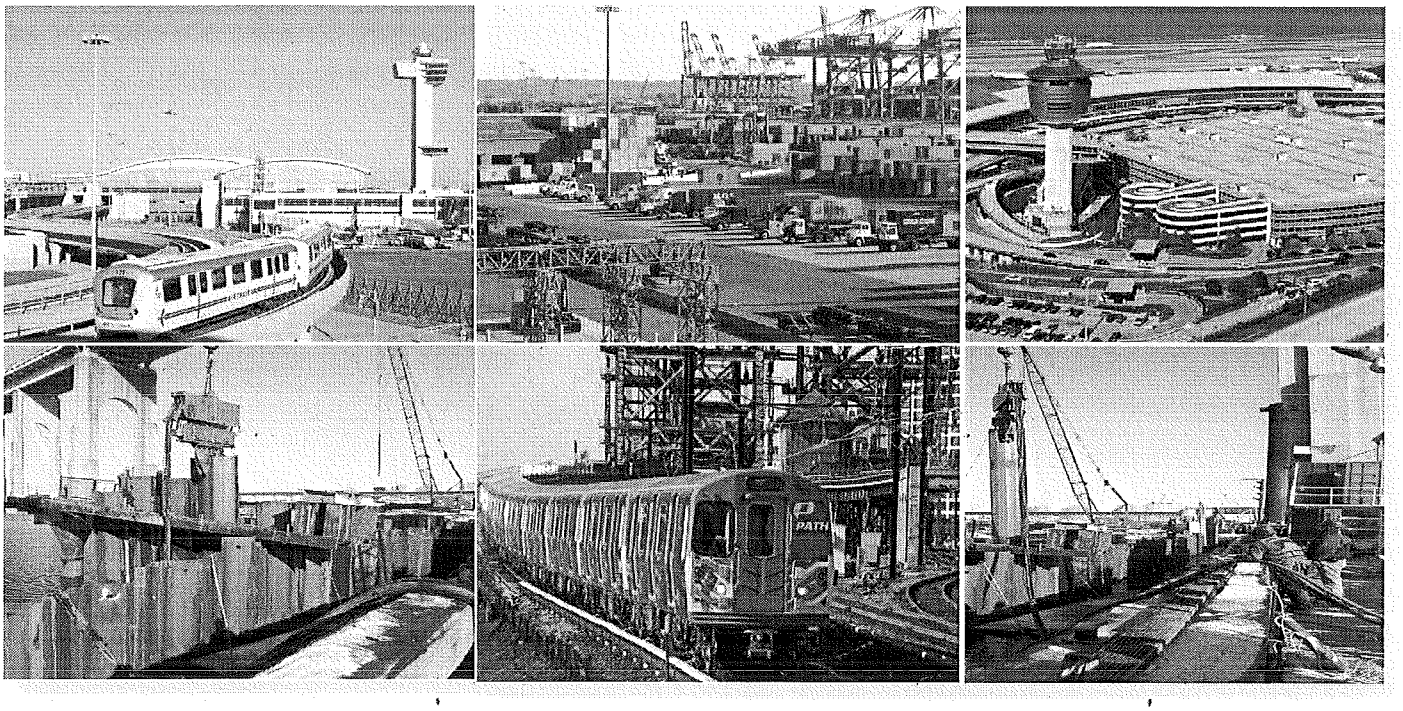
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section B

Attachment C (Company Profile)



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR PERFORMANCE OF EXPERT PROFESSIONAL "FULL SERVICE DESIGN" SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 (RFP #38233)

1. Company Name (print or type):
   D&B Engineers and Architects, P.C.

2. Business Address (to receive mail for this RFP):

   330 Crossways Park Drive

   Woodbury, NY 11797

3. Business Telephone Number: (516) 364-9890

4. Business Fax Number: (516) 364-9045

5. Firm website: www.dvirkaandbartilucci.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 07 / 01 / 1976

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):

   Please see attached sheet.

9. Officer or Principal of Firm and Title:

   John Schreck, P.E. / Vice President

10. Name, telephone number, and email address of contact for questions:
    John Schreck, P.E.

    jschreck@db-eng.com, 516-364-9890

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes ☒ No

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

D&B and its Affiliates

D&B Engineers and Architects, P.C.*
330 Crossways Park Drive
Woodbury, NY 11797
Tax ID #:

D&B/Guarino Engineers, LLC – a Subsidiary of D&B (Exceeds $300,000+/year)
8 Neshaminy Interplex, Suite 219
Trevose, PA 19053
Tax ID #:

D&B Environmental Associates, LLC – an Affiliate of D&B (falls below $300,000/year)
330 Crossways Drive
Woodbury, NY 11797
Tax ID #:

D&B Engineers, LLC – an Affiliate of D&B (falls below $300,000/year)
330 Crossways Park Drive
Woodbury, NY 11797
Tax ID #:

*Branch Offices have the 11-2393559 Tax ID Number:

D&B Engineers and Architects, P.C.
5879 Fisher Road
East Syracuse, NY 13507

D&B Engineers and Architects, P.C.
3000 Hadley Road
South Plainfield, NJ 07080

D&B Engineers and Architects, P.C.
4 West Red Oak Lane
White Plains, NY 10604

ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):

   KS Engineers, P.C.

2. Business Address (to receive mail for this RFP):

   494 Broad Street, 4th Floor

   Newark, NJ 07102

3. Business Telephone Number: 973.623.2999

4. Business Fax Number: 973.242.2955

5. Firm website: www.kseng.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 04 / 21 / 1991

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):

   "None"

9. Officer or Principal of Firm and Title:

   Kamal Shahid, P.E., President

10. Name, telephone number, and email address of contact for questions:

    Kamal Shahid, P.E. / 973.623.2999 Ext. 101 / kshahid@kseng.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? [X] YES [ ] No

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

THE PORT AUTHORITY OF NY & NJ

Anthony R. Coscia
Chairman

Christopher O. Ward
Executive Director

Certified

by

Office of Business & Job Opportunity

KS Engineers, P.C.

Certificate PA-20373

This certificate acknowledges that the above named firm is certified as a **Minority-owned Business Enterprise.** This company has met the criteria for ownership and control as established by the Port Authority Policy for Revised Minority, Woman and Small Business Enterprise (M/W/SBE) Programs, dated June 10,1993.

This certification will remain in effect for five years from the date of notice and may be extended only upon submission by you, and acceptance by the Port Authority of a recertification application attesting that the ownership and control of the business, on which this certificate is granted, has not changed. This office must be notified within 30 days of any material changes in the business which affect ownership and control. Failure to do so may result in the revocation of this certification and/or imposition of other sanctions.

Lash Green
Director
Certified: 3/15/2010

Rosemary Jenkins-Varela
Manager, Certification
Scheduled Re-evaluation: 3/14/2015

Form: 6/10/93

THE PORT AUTHORITY OF NY & NJ

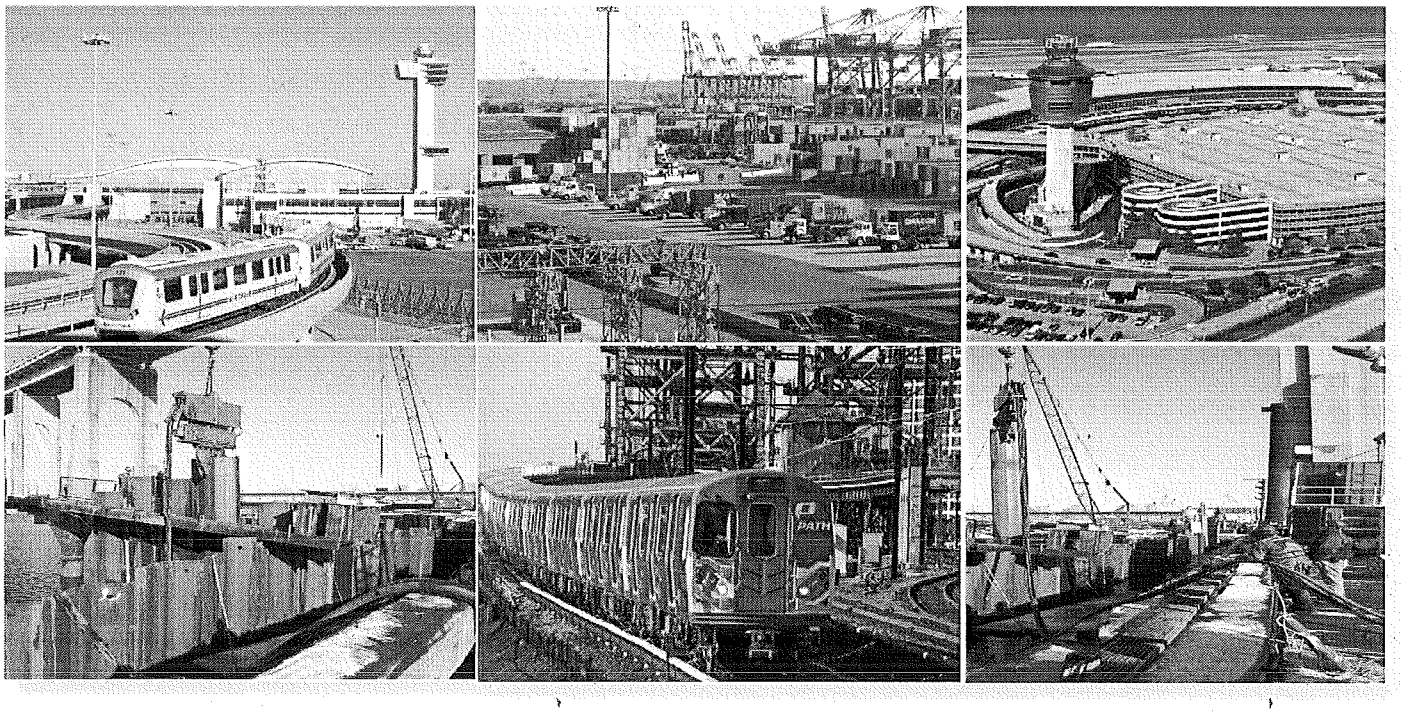
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section C

Letter of Transmittal



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

JOINT VENTURE

D&B: 330 Crossways Park Drive, Woodbury, New York 11797-2015 • 516-364-9890
KSE: 65 Broadway, Suite 401, New York, NY 10006 • 212-616-2657

September 18, 2014

RFP Custodian
The Port Authority of New York and New Jersey
Procurement Department
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302

Re: Proposal for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018
RFP #39247

Dear RFP Custodian:

The Joint Venture Team of **D&B Engineers and Architects, P.C.**, known as Dvirka and Bartilucci Consulting Engineers, and **KS Engineers, P.C. (D&B/KSE JV)**, in association with its highly qualified subconsultants, is pleased to submit our proposal for the Construction Management and Inspection Services as requested on a "call-in" basis during 2015 through 2018.

We have developed a Team that will result in success! The **D&B/KSE JV Team** offers that ideal mixture of construction managers, resident engineers, inspectors, project control specialists, safety and risk managers, and technicians that can devise methods to avoid potential problems and solve actual problems, thus continuing our record of high-level performance. Our Team has worked together on many projects and has an excellent working rapport – we will promptly mobilize and commence work when needed.

During organization of the Project Team, two key items were kept in mind: availability of staff, and on-call and PANYNJ experience. We have the ability to respond rapidly to any task assignment, and the ability to staff multiple projects simultaneously. **We anticipate both night-time and weekend work, and we understand that 24-hour coverage may be necessary. We also understand that if 24-hour coverage is necessary, we will provide the necessary and qualified staff on all shifts.** With this in mind, we have created a highly talented array of firms and personnel to execute this contract – "as-needed".

The **D&B/KSE JV Team** includes the following subconsultants, each bringing a critical component of specialized expertise to the Team as discussed in further detail in our Qualifications Statement:

- **Haider Engineering, P.C.** - Construction Management/Inspection
- **Johnson, Mirmiran & Thompson, Inc.** - Construction Management/Inspection
- **EnTech Engineering, P.C.** - Construction Management/Inspection
- **Toll International LLC (MBE/DBE)** - Project Controls

Our Team not only meets, but exceeds the minimum requirements set forth on page 1 of the RFP. The chart below illustrates our Team's compliance with the "Proposer Requirements". As requested, the résumés for all proposed personnel are provided in ***Section E*** of the Technical Proposal.

Proposer Requirement	Requirement Met?
A. Firm Experience:	
1. an office in the Greater New York, New Jersey Metropolitan Area and must have at least 50 individuals on staff who have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area.	✓
2. a Certificate of Authorization to practice Professional Engineering or Architecture in the states of New York and/or New Jersey.	✓
B. Staff Experience:	
1. at least ten (10) of which must be engineers/architects licensed in the states of New York and/or New Jersey.	✓
2. at least ten (10) of which must be ACI Concrete Construction Special Inspector	✓
3. at least three (3) of which must be ICC Certified as a Structural Steel and Bolting Inspector	✓
4. at least one (1) of which must be NACE Level 1 coatings certified.	✓

The **D&B/KSE JV Team** understands the importance of maintaining a project schedule and ensuring that the project is completed within budget. **Our Team has a large pool of staff and unmatched local resources to support the effort required for the subject contract.** The **D&B/KSE JV Team** is committed to providing the PANYNJ with the experience of the personnel outlined in our portfolio and to complete our professional services with the same level of expertise that we have provided the Authority in the past.

D&B/KSE JV, together with its sub-consultants, is a unique combination of professional organizations, each of which contributes its own uniqueness to the services to be provided under this contract, the result of which is a well-diversified project team - we will have no learning curve. We hope to further show the Authority that we are the most highly qualified and why we are the best choice for this contract.

We are excited and we appreciate the opportunity to submit our Proposal, and look forward to a working relationship with the PANYNJ. We will bring new talent and fresh ideas to the PANYNJ's program. We also look forward to helping the PANYNJ further its goals of bringing quality infrastructure projects to fruition safely, on time, and within budget. The **D&B/KSE JV Team's** proposal provides for the full range of services requested by the RFP, without exception.

Our **locally**-based firms have over four decades of construction management/inspection experience, and together we have worked on all major components of New York City infrastructure. We give you our personal assurance and commitment that this **D&B/KSE JV Team** will excel in managing, administering, and providing all Construction Management, Inspection, and Procurement Services necessary to achieve excellence on this contract - thank you for the opportunity!

Very truly yours,

John Schreck , P.E.
Vice President at D&B

Kamal Shahid, P.E.
President at KSE

THE PORT AUTHORITY OF NY & NJ

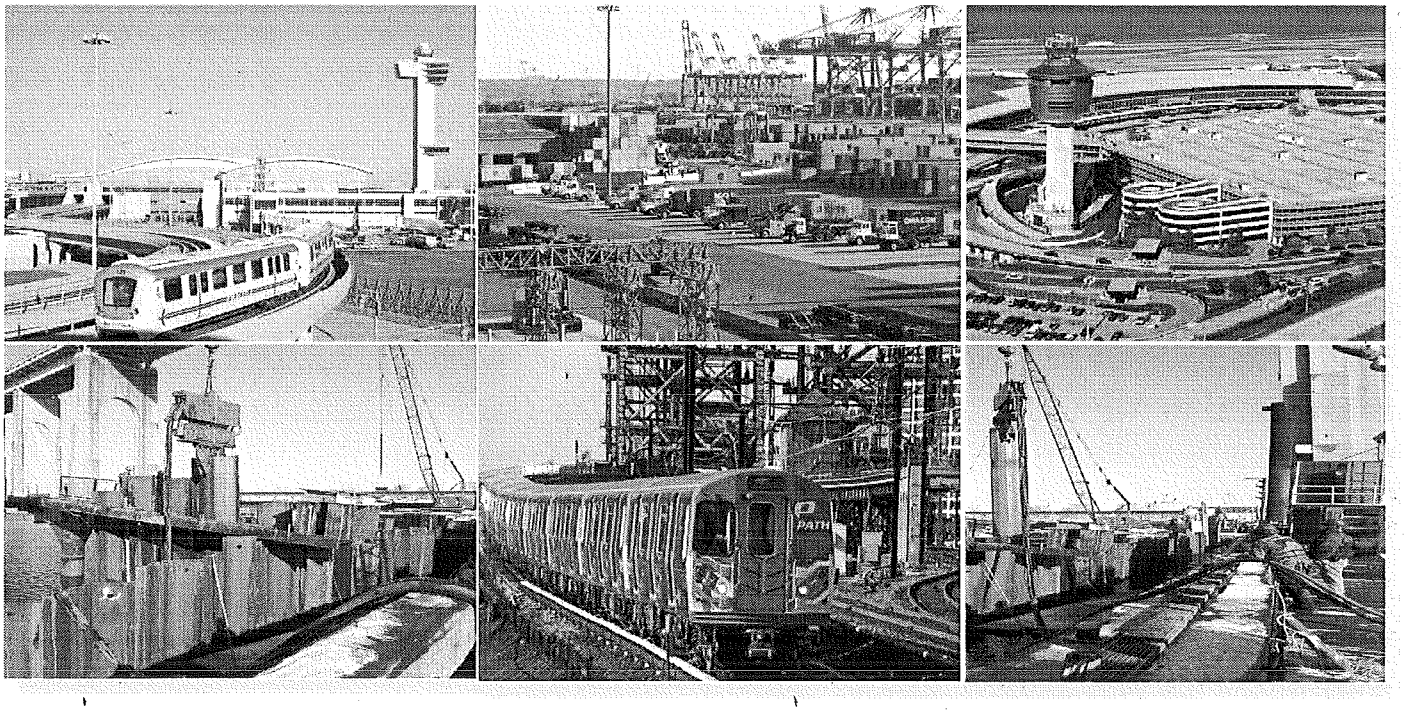
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section D

Multiplier



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

D | Multipliers

Multiplier: Overhead and Fee Summary

Our Team's proposed multiplier rate for home office and field/area office staff is illustrated in the table below. The overhead reports for D&B Engineers and Architects, P.C. and KS Engineers, P.C. can be found following this page.

Direct labor costs for services rendered by a Consultant or a Sub-Consultant shall be the actual hourly rate, multiplied by the actual hours, multiplied by their respective approved Multiplier:

Location	Direct Labor	Fringe	Subtotal	G&A	Subtotal	Profit	Total Multiplier
Home Office	**1.0**	**44.4%**	**1.444**	**73.8%**	**2.182**	**10%**	**2.40**
PA Office / Field	**1.0**	**44.4%**	**1.444**	**46.51%**	**1.909**	**10%**	**2.10**

* Multiplier Rate: includes all burdens, including but not limited to: overhead, general and administrative expenses, fringes and fees. Home multiplier is applicable for all work performed for the Port Authority at the Consultant's home office, and shall include direct salary, profit, general administrative costs and fees (including but not limited to building, office, communication, professional and Payroll/salaries expenses), and additional allowances or factors for mandatory or customary benefits such as fringe (including but not limited to sick leave, holidays, vacation, pension), and similar contributions and benefits for additional services. Field multiplier, if necessary, is applicable for all work performed over an extended period of time for the Port Authority at the Port Authority's facilities, or at the office sites provided to the Consultant by the Port Authority. The field multiplier shall include all costs included in the home multiplier, except those that are related to the maintenance of an office (including but not limited to communication and building expenses). The multiplier rate is based on the firm's most recent audited/or reviewed financial statements. Audited/or reviewed financial statements must cover a full calendar and fiscal year period.

THE PORT AUTHORITY OF NY & NJ

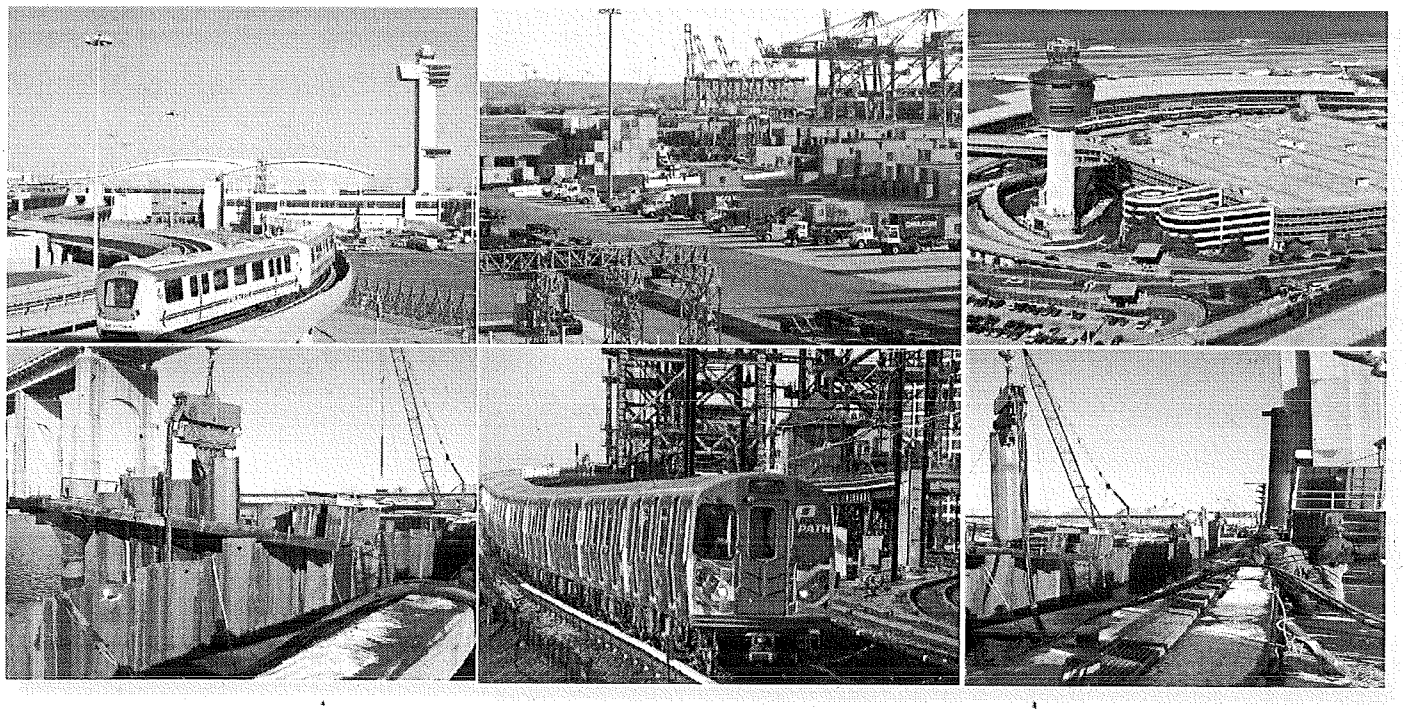
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section E1

Résumés



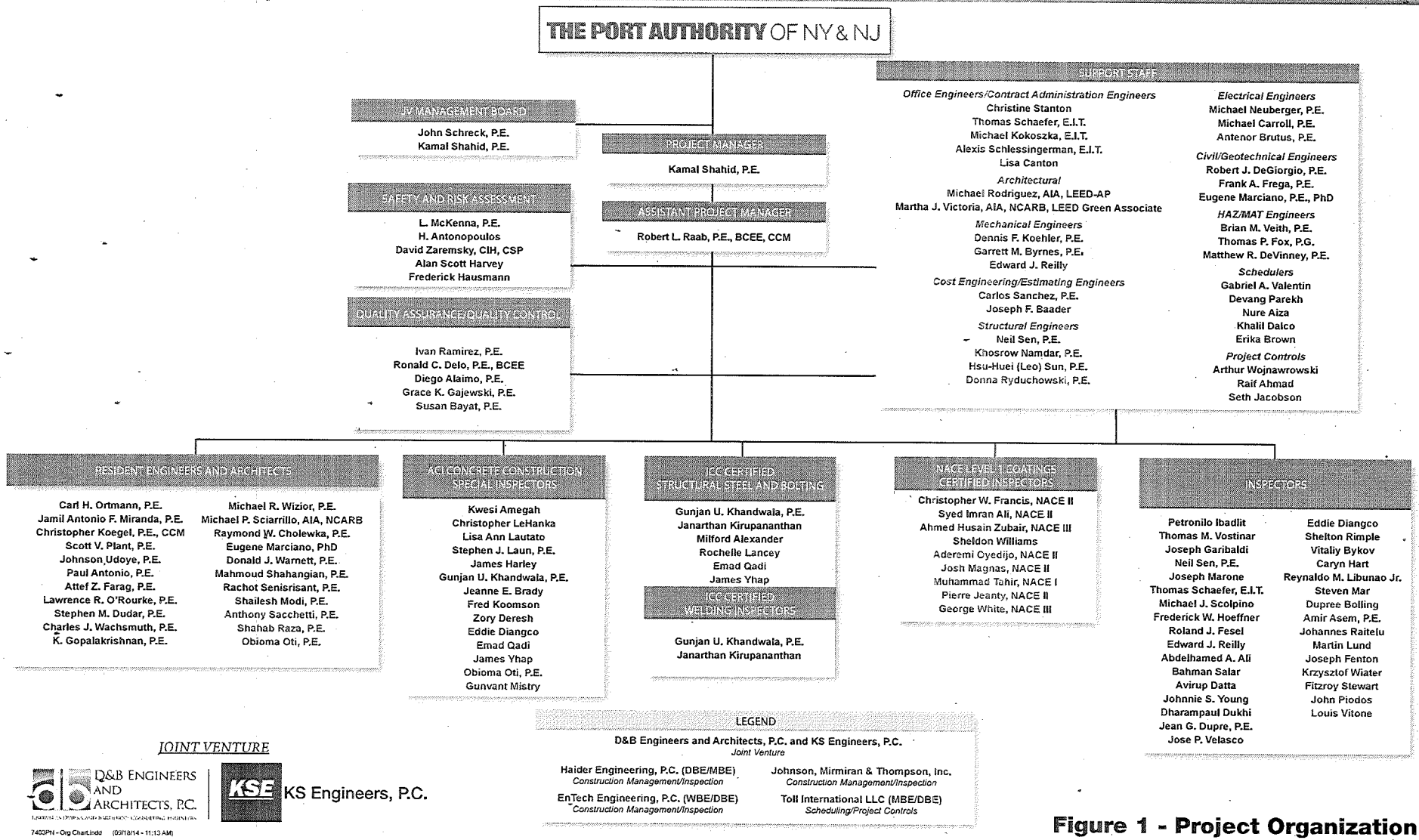
JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

E1 | Résumés

D&B/KSE Joint Venture has assembled a highly qualified team that not only meets, but exceeds the minimum requirements set forth on page 1 of the RFP. Please find ***Figure 1 – Project Organization Chart*** and our ***Staff Experience Matrix,*** following this page. Résumés of all proposed personnel can be found at the end of this section.



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C. | KS Engineers, P.C.

7403PN - Org Chart.indd (09/18/14 - 11:13 AM)

Figure 1 - Project Organization Chart

STAFF EXPERIENCE MATRIX

JOINT VENTURE

Name	CERTIFICATION				EXPERIENCE											
	Licensed Engineer /Architect	NACE I / II Certification	ACI- CCSI Certification	ICC Structural Steel & Bolting Certification	Structural Steel	Structural Concrete	Asphalt Paving	Concrete Paving	Painting Structural Steel	Electrical	Mechanical	Construction Administration	Constructibility Review	Cost Estimating & Scheduling	Site Safety	Traffic Control
Project Manager																
D&B/KSE Joint Venture																
K. Shahid, PE	X				X	X	X	X	X	X	X	X	X	X	X	X
D. Alaimo, PE	X				X	X	X	X	X	X		X	X	X	X	X
J. Schreck, PE	X				X	X	X	X	X	X	X	X	X	X	X	X
R. Raab, PE, BCEE, CCM	X				X	X	X	X	X	X	X	X	X	X	X	X
Construction Inspector																
D&B/KSE Joint Venture																
Kwesi Amegah			X		X	X	X	X				X				X
Eddie Diangco			X	X	X			X					X		X	X
Fred Koomson			X				X	X								X
Zory Deresh			X				X	X								X
George Atsalis			X				X	X								
Rochelle Lancey				X	X	X	X	X	X							X
Sheldon Williams		X							X							
Syed Ali		X							X							
Ahmed Zubair		X							X							
Albert Baird																
Robert Banbury							X	X								X
Paris Zhang							X	X								X
Christopher Lehanka			X			X	X	X			X	X		X		
Lisa Lautato			X				X	X			X	X				
Stephen Laun	X		X				X	X			X	X	X			
James Harley			X								X	X	X			
Janarthan Kirupananthan				X	X	X	X	X	X		X	X				
Milford Alexander				X	X	X	X	X				X			X	X
Christopher Francis		X					X	X	X		X	X	X	X		
Frederick Hoeffner					X	X	X	X	X	X	X	X	X			X
Abdelhamed Ali							X	X							X	X
Bahman Salar							X	X							X	X
Neil Sen	X				X	X							X			
Avirup Datta					X	X	X	X	X				X		X	X
Johnnie Young					X	X	X	X			X	X				
Dharampaul Dukhi					X	X	X	X							X	X
Jean Dupre	X				X	X	X	X							X	X
Eddie Velasco					X	X	X	X	X	X	X	X	X		X	X
Haider																
Fitzroy Stewart																
Muhammad Tahir		X					X	X	X			X			X	X
Pierre Jeanty		X					X	X	X							X
Emad Qadi				X	X	X	X	X				X		X		
James Yhap				X	X	X	X	X				X		X		
JMT																
George White		X			X	X	X	X	X			X	X	X	X	X
Gunvant Mistry			X		X	X	X	X	X			X	X	X	X	X
Martin Lund					X	X	X	X	X			X	X	X	X	X
EnTech																
Aderemi Oyedijo		X			X	X	X	X	X							X
Dupree Bolling					X	X	X	X	X							X
Joseph Fenton					X	X	X	X	X							X
Krzysztof Wiater					X	X	X	X	X							X
Josh Magnas		X			X	X	X	X	X							X
Amir Asem	X				X	X	X	X	X			X	X	X		
Johannes Raitelu					X	X	X	X	X			X	X	X	X	X
Construction Manager / Resident Engineer																
D&B/KSE Joint Venture																
G. Khandwala	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X
C. Koegel	X				X	X	X	X			X	X	X	X	X	X
Carl Ortmann	X				X	X	X	X				X	X		X	X

STAFF EXPERIENCE MATRIX

JOINT VENTURE

Name	Licensed Engineer /Architect	NACE I / II Certification	ACI- CCSI Certification	ICC Structural Steel & Bolting Certification	Structural Steel	Structural Concrete	Asphalt Paving	Concrete Paving	Painting Structural Steel	Electrical	Mechanical	Construction Administration	Constructibility Review	Cost Estimating & Scheduling	Site Safety	Traffic Control
Attef Farag	X					X	X	X				X	X		X	X
Ray Chowleka	X				X	X	X	X	X			X	X		X	X
Scott Plant	X				X	X	X	X	X			X	X	X	X	X
Eugene Marciano	X					X		X				X	X		X	
Don Warnett	X				X	X	X	X	X			X	X	X	X	X
Mahmoud Shahangian	X				X	X	X	X	X			X	X	X	X	X
Rachot Senisant	X						X	X				X				X
Shailesh Modi	X				X	X			X							X
Lawrence O'Rourke	X				X	X	X	X				X	X		X	X
Jamil Miranda	X				X	X	X	X			X	X		X	X	
Johnson Udoye	X				X	X	X	X	X	X	X	X	X	X	X	X
Paul Antonio	X									X	X	X	X	X	X	
Stephen Dudar	X											X	X	X	X	
Charles Wachsmuth	X											X	X	X	X	
K. Gopalakrishnan	X									X	X	X	X	X	X	
Michael Wizior	X											X	X	X		
Michael Sciarrillo	X													X		
JMT																
Obioma Oti	X		X		X	X	X	X	X			X	X	X	X	X
EnTech																
Anthony Sacchetti	X				X	X	X	X				X	X	X	X	X
Shahab Raza	X				X	X	X	X				X	X	X	X	X
General Engineering Support / Constructibility Review																
D&B/KSE Joint Venture																
Rolston Saul	X				X	X							X		X	
Harry Shah	X				X	X							X		X	X
George Broberg	X				X	X	X	X				X	X		X	X
Frank Frega	X						X	X				X	X	X		X
Harry Baker	X						X	X				X	X			X
Hsu-Hues (Leo) Sun	X				X	X							X			
Ronald Delo	X				X	X	X	X	X	X	X	X	X	X	X	X
Michael Rodriguez	X				X	X						X	X	X		
Martha Victoria	X				X	X						X	X			
Arthur Wojnawrowski												X		X		
Dennis Koehler	X				X	X	X	X	X	X	X	X	X	X	X	X
Garrett Byrnes	X				X	X	X	X	X	X	X	X	X	X	X	
Khosrow Namdar	X				X	X							X	X		
Michael Neuberger	X									X			X	X		
Michael Carroll	X									X			X	X		
Robert DeGiorgio	X				X	X	X	X	X	X	X	X	X	X	X	X
Brian Veith	X											X	X	X	X	X
Thomas Fox												X	X	X	X	X
Matthew DeVinney	X											X	X	X	X	X
Haider																
Antenor Brutus	X									X		X		X		
JMT																
Ivan Ramirez	X				X	X	X	X	X	X		X	X	X	X	X
EnTech																
Donna Ryduchowski	X				X	X	X	X				X	X			X
Grace Gajewski	X				X	X	X	X				X	X	X		X
Susan Bayat	X				X	X	X	X				X	X	X		X
Electrical Construction Inspector																
D&B/KSE Joint Venture																
Edward McManus										X						
Reynaldo Libuano, Jr.										X						
Steve Mar										X						
Vitaliy Bykov										X						
Amit Roy										X						
Petronilo Ibadlit							X	X		X	X	X	X			
Thomas Vostinar							X	X		X	X	X	X			

STAFF EXPERIENCE MATRIX

JOINT VENTURE

Name	Licensed Engineer /Architect	NACE I / II Certification	ACI- CCSI Certification	ICC Structural Steel & Bolting Certification	Structural Steel	Structural Concrete	Asphalt Paving	Concrete Paving	Painting Structural Steel	Electrical	Mechanical	Construction Administration	Constructibility Review	Cost Estimating & Scheduling	Site Safety	Traffic Control
Joseph Garibaldi							X	X		X	X	X	X		X	
Joseph Marone							X	X		X		X	X			
Mechanical Construction Inspector																
D&B/KSE Joint Venture																
George Kay											X					
Kevin McLaughlin											X					
Michael Scolpino					X	X	X	X			X	X				
Roland Fesel											X	X				
Edward Reilly					X	X	X	X			X	X	X			
Haider																
John Piodos											X					
Louis Vitone											X			X		
Scheduler																
D&B/KSE Joint Venture																
Devang Parekh												X		X		
Nure Aiza												X		X		
Khalil Dalco												X		X		
Gabriel Valentin										X	X	X	X	X		
Toll																
Erika Brown												X		X		
Seth Jacobson												X		X		
Cost Estimators																
D&B/KSE Joint Venture																
Carlos Sanchez																
Joseph Baader						X	X	X			X	X	X	X		X
Toll																
Raif Ahmad												X		X		
Contract Administrator / Office Engineer / Document Control Specialist																
D&B/KSE Joint Venture																
Chrstine Stanton												X		X		
Lisa Canton												X		X		
Thomas Schaefer, E.I.T							X	X				X	X	X		
Michael Kokoszka, E.I.T.							X	X				X		X		
Alexis Schlessingerman, E.I.T.							X	X				X	X	X		
Construction Site Safety Engineer																
D&B/KSE Joint Venture																
L. McKenna, PE					X	X	X	X	X	X	X	X	X		X	X
H. Antonopoulos					X	X	X	X				X	X		X	X

Résumés

D&B Engineers and Architects, P.C. and KS Engineers, P.C.
Joint Venture

JOINT VENTURE

KAMAL SHAHID, P.E.

Professional Experience

Mr. Shahid has more than 30 years of diversified experience in managing the inspection and rehabilitation design of vehicular and railroad bridges, sign structures, tunnels, buildings and highways. As represented by more than 150 projects in past 20 years, he also offers extensive construction inspection and management experience for roadways, bridges and buildings.

PANYNJ, Profession Structural Engineering Services as Requested on a Call-In Basis during 2012, 2013, 2014, NY and NJ – Project Manager / Principal-in-Charge for structural engineering services on a call-in basis for PANYNJ facilities, including the region's major commercial airports, marine terminals and its interstate tunnels and bridges which are vital "Gateways to the Nation". Services performed generally consist of preparing structural engineering studies, condition surveys, designs, contract drawings, technical specifications, and construction cost estimates for new facility structures, and the renovation and rehabilitation of existing structures. Individual assignments under this contract included:

- Task 01 - Structural Design Services for Express Rail Port Jersey - Intermodal Container Transfer Facility (ICTF) at Greenville Yard
- Task 02 - Structural Design - Port Newark Expressrail Corbin Street Intermodal Rail Support Facility Phase 2A PNCT Intermodal Yard Expansion
- Task 03 - CADD Support Services for GWB-244.049 Median Barrier Rehabilitation and Traffic Safety Improvements
- Task 04 - Contract Preparation and Post-Award Duties for the Newark Liberty International Airport Switchhouses #1 and #3 under Contract No. EWR-934.001

PANYNJ Construction Quality Assurance (QA) and Construction Engineering and Inspection (CEI) Services for the Goethals Bridge Replacement Project. Senior Project Manager / Principal-in-Charge. KS Engineers, P.C. (KSE) was retained as the lead consultant by the Developer (NYNJ Link Developer LLC) of this PPP project, to provide independent Construction Quality Assurance (QA) and Construction Engineering and Inspection (CEI) services. KSE's role as CEI includes the following primary tasks:

- Develop approved Construction QA Manual and QA Audit Checklists
- Develop and implement fully electronic QA inspection forms and recordkeeping system using Microsoft SharePoint
- Perform independent QA inspection at each hold point
- Perform independent material testing to verify/audit Design-Builder's Quality Control Program
- Provide an off-site inspection to audit Design-Builder's Fabrication Quality Control Program
- Provide limited field survey and underwater inspection to verify construction quality
- Issue Non Conformance Reports (NCR), and Corrective Action Plans (CAP) as required
- Maintain Submittal Log, RFI Log, Shop Drawing Log, and Material Certification Log

Professional Strengths

Certifications

Years Experience

30 Years

Office Location

Newark, NJ

Contact

Info@kseng.com

PANYNJ, Profession Structural Engineering Services (MBE/WBE) as Requested on a Call-In Basis during 2012, 2013, 2014, NY and NJ – Principal-in-Charge for structural engineering services on a call-in basis for PANYNJ facilities, including the region's major commercial airports, marine terminals and its interstate tunnels and bridges which are vital "Gateways to the Nation". Services performed generally consist of preparing structural engineering studies, condition surveys, designs, contract drawings, technical specifications, and construction cost estimates for new facility structures, and the renovation and rehabilitation of existing structures. Individual assignments under this contract included:

- Task 02 - PATH - Boiler Replacement at Running Repair Shop and Wash Facility
- Task 03 - Building Automated Monitoring and Control Systems (BAMCS) Upgrade
- Task 06 - Computer Room Air Conditioning Installation at Hangar 7 Building, LaGuardia Airport
- Task 07 - PATH Hackensack River Bridge Temporary Protective Shielding
- Task 08 - Repair of Sheet Pile Bulkhead at LaGuardia Airport
- Task 09 - Priority Repair of Five Buildings at Newark Airport
- Task 10 - George Washington Bridge (GWB) Bus Station – Concrete Topping Evaluation
- Task 12 - AutoCAD Drafting Services for EWR Priority Repairs of Bridges

PANYNJ, Performance of Expert Professional Civil Engineering Services on a "Call-In" Basis for 2011, 2012 and 2013, NY and NJ – Principal-in-Charge as prime consultant for civil engineering services on a "call-in" basis at various Port Authority facilities. Work under this contract generally consist of preparing civil engineering designs, contract drawings, technical specifications, construction cost estimates for a variety of new projects, rehabilitation, site preparation, restoration, and resurfacing projects.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Principal and Senior Project Manager	1993 - Present
NJ TRANSIT	Project Manager	1991 – 1993
Port Authority of NY & NJ	Project Manager	1989 - 1991
Gandhi Engineering	Project Engineer	1985 – 1989
Engineering Consultants & Associates, Ltd	Project Engineer	1982 – 1983

JOINT VENTURE

JOHN SCHRECK, P.E.

Professional Experience

Mr. Schreck has a broad range of design and construction management experience in civil, environmental, solid waste, transportation and highway engineering disciplines. Mr. Schreck has extensive experience in the design and construction management of civil and coastal infrastructure improvement projects for clients throughout Long Island and New York City.

As Vice President of D&B, he oversees technical activities and serves as either principal-in-charge (PIC) or quality assurance/quality control advisor on major projects. Mr. Schreck's responsibilities include the coordination of engineers, drafters, planners, environmental scientists, and client liaison. He is also responsible for civil engineering on several municipal engineering projects involving bridge infrastructure improvements, site development and downtown area improvements. His experience helps to ensure that each project is completed on time and within budget.

Mr. Schreck has technical expertise in issues relating to storm water management, roadway/highway/sewer/traffic design and construction management, shoreline protection, coastal and flood mitigation concepts, and he has extensive experience with coastal and waterfront engineering. A summary of Mr. Schreck's project PIC experience includes:

- REI - NYCDDC Gateway Estates – Phase D roadway and utility installation project, where the firm is providing resident engineering/inspection services. This comprehensive construction will include new sanitary and storm sewers; water mains, utilities as well as creation of new streets in the proposed residential development.

- Construction management services for Miscellaneous Projects in the Downstate Area (CTYWDCM-3B) - New York City Department of Environmental Protection (NYCDEP). Assignments include: Oakwood Beach WWTP 5KV Substation Reconstruction (Contract OB-125) contract in Staten Island; Port Richmond WWTP Boiler Upgrade (Contract PR-113) contract in Staten Island; Orchard Beach Pumping Station Replacement in the Bronx; and Superstorm Sandy Emergency Pumping Stations Repair Citywide.

- MTA - Triborough Bridge and Tunnel Authority: Construction Administration and Inspection Services for Project QM-40S, Superstorm Sandy Restoration and Mitigation and Projects QM-40/QM-18, Rehabilitation of the Tunnel Walls, Roadway and Manhattan Exit Plaza at the Queens Midtown Tunnel.

- Construction management services for Miscellaneous Projects at various NYCDEP Bureau of Wastewater Treatment (BWT) facilities.

Certifications

- NYS Temporary Traffic Control Device Training Practices for Contractors
- OSHA 10-hour

Professional Societies

- American Society of Civil Engineers
- National Society of Professional Engineers
- American Society of Highway Engineers
- Construction Management Association of America

Years Experience

21+ Years

Office Location

Woodbury, NY

Contact

jschreck@db-eng.com

- MTA NYCT - Indefinite Quantity Engineering Services for Superstorm Sandy-related Repair and Resiliency Projects and Miscellaneous Construction. D&B Engineers and Architects, P.C., as a subconsultant, has been selected to provide engineering services, including design services and construction management and inspection services, for Federally funded Superstorm Sandy-related projects for repair, resiliency and other miscellaneous construction. Resiliency projects shall include the design and construction of mitigation measures to prevent and/or mitigate future damage to the NYC transit system caused by severe meteorological events, for example, hurricane or flood.

- County Road 16 (Portion Road) Rehabilitation from Ronkonkoma Avenue to Nicolls Road: Suffolk County DPW - ARRA.

JOINT VENTURE

ROBERT L. RAAB, P.E., BCEE, CCM

Professional Experience

Mr. Raab has over 35 years of environment and civil engineering experience on the federal and local government level. His experience in the public sector includes the United States Environmental Protection Agency (EPA) - Region 2, both as a Project Manager with the Environmental Impacts Branch (6 years) and as Section Chief with the Superfund Program (6 years), and later with the City of Long Beach (22 years) where he held the position of Commissioner of Public Works/City Engineer. In all of these assignments, Mr. Raab was instrumental in developing news programs, overseeing complete project development from planning through post-construction and introducing sustainable methodologies.

At Dvirka and Bartilucci Consulting Engineers (D&B), Mr. Raab has been assigned an array of tasks including the development of technical proposals, cost estimates and construction management related to sanitary and storm water rehabilitation and construction projects. Mr. Raab has utilized his extensive project management, construction oversight experience and negotiation skills to provide assistance in managing contractor operations. Currently, he is Project Manager at the Bridgeport Water Pollution Control Authority providing technical expertise to reduce the Combined Sewer Overflow (CSO) discharges. He is currently serving as the firm's construction manager at the Oakwood Beach and Port Richmond WPCPs where he has been providing technical and administrative support to the firm's RE teams. At Oakwood Beach he has worked closely with the contractors and DEP technical and operations staff to address and expedite Con Edison concerns regarding the new switchgear system that have resulted in serious delays. In this capacity Mr. Raab has attained a working knowledge of Con Edison protocols and practices.

Currently Mr. Raab is D&B's Project Executive for the recently initiated NYCDDC Gateway Estates – Phase D roadway and utility installation project, where the firm will be providing resident engineering/inspection services. This comprehensive construction will include new sanitary and storm sewers; water mains, utilities as well as creation of new streets in the proposed residential development.

He has also providing technical support at New York City Department of Environmental Protection's (NYCDEP's) Avenue "V" Pumping Station Rehabilitation and Force Main Construction Project and has been the firm's Project Manager for NYCDEP's Task Order Contract Program (EE-DSGN-4).

Mr. Raab has been working closely with the Bridgeport Water Pollution Control Authority (BWPCA) to develop solutions to eliminate/redirect storm water flows entering the City's aged combined sewer system. The goal is to reduce the frequency of CSO discharges to area waterways. Five of the most problematic sewershed areas have been identified by the BWPCA for evaluation. In each case, two phases of construction are being proposed. The first phase involves the TV inspection, cleaning and CIPP lining of the existing combined sewers to eliminate infiltration from this high ground water area. The focus of Phase B is to remove (separate) storm water from the combined sewer system. The installations of

Professional Societies

American Public Works Association

National Society of Professional Engineers

Water Environment Federation

Chi Epsilon – Engineering Honor Society

Years Experience

35+

Office Location

Woodbury, NY

Contact

rraab@db-eng.com

separate storm sewers are being proposed to collect runoff from roadways and other paved surfaces. This should result in the diversion of over 60 % of storm water out of the waste stream. Funding for these projects is from the Clean Water Act which is administered by the Connecticut DEP.

Through his experience at Avenue "V", he has developed a familiarity and understanding of NYCDEP regulations and protocols. In addition, Mr. Raab has been instrumental in evaluating the construction contractor's operations, troubleshooting and solving problems, and assisting in change order preparation and technical reports relating to ongoing construction. Further, he has personally taken on the initiative of finding ways to streamline the administrative process by taking a pro-active approach, which is "anticipate issues" then "facilitate a response." His experiences with the NYCDEP coincide with his managerial style, which stresses continued communication and coordination.

Mr. Raab has also served as the firm's Project Manager for an Asset Management/Risk Assessment Project undertaken for a major New York municipality. As Manager, he was responsible for working closely with the client to define project goals and to tailor the level of effort of the field assessment and data collection tasks to meet project objectives. Scoring systems were developed to identify "fundable projects" for use in the development of future capital improvement plans.

In addition to construction management services, Mr. Raab has spearheaded the preparation of feasibility studies for potential sewering opportunities, throughout Suffolk County, New York. One particular study prepared in 2013 for the SCDPW, evaluated sewering opportunities for a large, primarily residential area, where capital cost for installation exceeded $1 billion

Mr. Raab's experience prior to D&B includes:

City of Long Beach, New York, Commissioner of Public Works/City Engineer

- Responsible for the planning, design and construction of projects related to the City's infrastructure, including roadways, bridges, wastewater treatment and water purification facilities, water mains, sanitary and storm sewers, hazardous and petroleum spill remediation, parks, playgrounds, beach structures, shore erosion, municipal buildings, recycling and solid waste facilities, bulk-heading, water tanks, sludge management, street lighting maintenance, etc.

- Oversaw consultant activities and coordinated activities with local, state and federal regulatory agencies.

- Oversaw the preparation of in-house design packages for playgrounds, roadway reconstruction projects, etc.

- Prepared procedural and response documents such as Emergency Water Supply Plan, Solid Waste Management Plan, LWRP, Water Conservation Strategy and Recycling Ordinance, etc.

- Coordinated the City's participation in FEMA's National Floor Insurance Program Community Rating System.

- Served as Long Beach's Project Manager for Corps of Engineers, Long Beach Island Storm Damage Reduction Project.

- Developed and implemented a Citywide Roadway Evaluation Plan.

JOINT VENTURE

GUNJAN U. KHANDWALA, P.E.

Professional Experience

Mr. Khandwala has over six years of experience as an Assistant Resident Engineer working on various construction projects for the NYCDEP and NYCDOB residential and commercial construction. Mr. Khandwala assists the Resident Engineers on managing multiple large construction projects simultaneously from procurement through closeout; supervising office and field staff. Tasks include, but are not limited to, design services during construction, data analysis, drawings, specifications, SOPs, change orders, RFIs, shop drawing review, field inspections and report preparations with data collection. Mr. Khandwala is familiar with CPM scheduling, HASP review and implementation, QMPs and PMI. Mr. Khandwala is experienced with all aspects of construction, including expertise with site civil, concrete, mechanical, HVAC and plumbing work.

Mr. Khandwala's project history includes:

Dvirka and Bartilucci Consulting Engineers (D&B)

D&B was awarded a contract to develop and implement a Construction Management Program for the NYCDEP BWT. Mr. Khandwala was chosen to assist the Resident Engineer on this effort. Mr. Khandwala serves as Assistant Resident Engineer for this project, coordinating and supervising large staff of Inspectors, Safety Officers and Engineers addressing/resolving field issues during construction. This unique project requires coordination with multiple engineering sections, as well as operations at all waste water treatment plants and collection facilities located in NYC area. The project includes on-call work requiring overnight and weekend emergency response. He has implemented the system to build a paper-free, electronic inspection program based on Tablet PCs. He is also responsible for training new inspectors, coordinating on all construction documentation, report fillings and maintaining QM/QC of all inspection reports submitted from all inspectors.

NYCDEP - Ave V Force Main Upgrade ($97,756,000) Brooklyn, NY / NYCDEP-Ave V Pump Station Upgrade ($56,000,000) Brooklyn, NY

Mr. Khandwala worked as Senior Inspector/Engineer. His responsibilities included day-to-day field inspections of work performed by mechanical/HVAC contractor, pro-active coordination with the utility companies and regulatory services, preparation of inspection reports, track shop drawings, coordination with contractor, identify and track potential issues, assisting Resident Engineers. Mr. Khandwala was also responsible for the coordination of RFIs, change orders and shop drawing approvals. He worked on processing all payment requests submitted by contractors and prepared as-built drawings as per field conditions.

Impact Testing and Control Inspections, Inc., New York

Mr. Khandwala worked as Field Engineer/Inspector for various NYCDOB residential and commercial projects. He was responsible for inspection of concrete, mechanical, sprinkler and HVAC construction work on various projects. Mr.

[redacted]

Years Experience

6+

Office Location

Woodbury, NY

Khandwala is familiar with NYSECC and various other construction inspections. He observed the contractors workforce to ensure compliance with safety and design requirements, prepared inspection reports for the construction projects from procurement through close-out and submitted to Professional Engineer for final sign-off. He worked on NYCDOB TR-1 and TR-2 inspections and designed concrete mixes for required strength and specifications and submitted as NYCDOB TR-3 for Professional Engineer's sign-off. Mr. Khandwala also worked on NYCDOB TR-8 inspections.

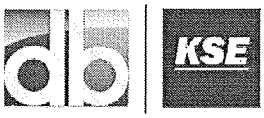
TWS Contracting Corporation, New York

Mr. Khandwala worked as HVAC Designer and was responsible for the design/drawings of the mechanical and HVAC work for various construction projects at a privately owned engineering company. He prepared mechanical plans and layouts utilizing Auto-CAD and maintained change orders, proposal files, complete change order files with revised field drawings, bulletins and initiating change orders for final review and signature. He was responsible for scheduling and task distributing for various construction projects. He prepared fabrication drawings and submitted for the fabrication of duct work, inspection and quality check for the fabricated duct work and labeling for particular construction projects.

Software Knowledge

- Auto-CAD
- MS-OFFICE
- GAMBIT-FLUENT
- PRO-E

JOINT VENTURE



DIEGO ALAIMO, P.E.

Professional Experience

Mr. Alaimo has over 40 years of successful experience in design and construction management of bridges, water main, sewers, and transportation projects. He is a registered professional engineer in New York, New Jersey, Connecticut, Pennsylvania and Florida. He has managed complex engineering projects throughout the Northeast from proposal, to design and construction. These projects have ranged in size from one to eighty five million dollars.

PANYNJ, Construction Quality Assurance (QA) and Construction Engineering and Inspection (CEI) Services for the Goethals Bridge Replacement Project, NY & NJ – KSE's Project Executive responsible for this $973 million Goethals Bridge Replacement project that is the Port Authority's first new major bridge replacement in more than 80 years, and the first surface transportation public-private partnership (PPP) in the Northeast Region. The 40-year, design-build-finance-maintain contract will replace the Goethals Bridge and approach roadways with a new alignment which will consist of the construction of a cable-stayed bridge over the Arthur Kill south of the existing bridge. The new bridge will contain six 12-foot wide travel lanes, three lanes in each direction; a 12-foot wide outer shoulder and a five-foot wide inner shoulder on each roadway; a 10-foot wide sidewalk/bikeway along the northern edge of the New Jersey-bound roadway; and a central area to be maintained between the eastbound and westbound roadway decks, sufficient to accommodate the provision of future transit service. It also will provide state-of-the-art bridge technology, including Roadway Weather Information Systems that will collect environmental data such as wind speed, visibility, and pavement temperature. There will also be a Traffic Detection System that will use sensors embedded in the roadway to provide alerts on traffic build-up and incident responses.

NYCDDC, HWMP116, Reconstruction of Astor Place, Manhattan, NY - Project Executive responsible for the inspection of this $15.7 million REI project that include the removal of abandoned trolley tracks and yokes, water mains, new main line valves and fire hydrants that are part of the water main installations, as well as relocation of a few fire hydrants. The new sewer and drainage facilities require new manholes. New steel faced concrete curbs, and granite curbs will be installed along the sidewalks and roadways. New sidewalks will be either 4" or 7" concrete, and new pedestrian ramps will be constructed at designated intersections. Some of the sidewalk locations are to be pigmented, designating the historic significance of the area. New kiosks are to be installed and they will have water service facilities. A large portion of the project includes reconstruction of Cooper Square where new granite curbs granite benches and granite planters will be installed, along with trees and shrubbery plantings. Responsibilities include preparing and distributing monthly and weekly construction reports DOT and DDC; preparing and processing payments, as-built construction cards; and reviewing, monitoring inspectors reports, quantities and costs.

Professional Licenses

Years Experience
40 Years

Office Location
New York, NY

Contact
info@kseng.com

Battery Park City Authority (BPCA), Contract No. 12-2095, On-Call Engineering Services - 2012 Projects, New York, NY - Project Executive responsible for this contract for providing expert and technical support services including civil, structural, mechanical and electrical engineering services on an on-call basis. Work also includes pre-construction support services in developing RFP's, preparing bid documents and evaluating contractor proposals. We provide engineering services will be required to respond on an as-needed basis within 24 hours of request. Tasks include coordination with the BPCA, BPC Parks Conservancy staff, and with BPCA's outside consultants. Peer review of other projects with the Authority for structural, civil, MEP and geotechnical. There are nine tasks for this contract which include: Task 1 - Pier A; Task 2 - Wagner Park, Sinkhole; Task 3 - Seawall Joint Repairs by South Cove Pedestrian Bridge; Task 4 - Rockerfeller Park Terrace Swing; Task 5 - Ballfield Backstop; Task 6 - Survey for ARUP; Task 7 - Water Line Pier A; Task 8 - NYMEX Terrace, Sinkhole; and Task 9 - Structural Work for Tribeca Bridge.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer – Civil Engineering	2006 - Present
Site-Blauvelt Engineers	Senior Vice President	2000 - 2006
Hayden/Wegman Engineers	Senior Vice President	1987 - 2000
Gannett Fleming	Regional Manager	1986 - 1987
Hayden/Wegman Engineers	Project Manager	1980 - 1983
Metcalf & Eddy	Project Manager	1979 - 1980
Elson T. Killam Associates	Project Engineer	1973 - 1979
Malcolm Pirnie Engineers	Engineer	1971 - 1973

JOINT VENTURE

CHRISTOPHER KOEGEL, P.E., CCM

Professional Experience

Mr. Koegel's professional experience lies primarily in the construction management and design of wastewater, water supply and civil engineering projects. Due to this experience, he is also an expert constructability analyst.

Mr. Koegel has been working closely with the Bridgeport Water Pollution Control Authority (BWPCA) to develop solutions to eliminate/redirect storm water flows entering the City's aged combined sewer system. The goal is to reduce the frequency of CSO discharges to area waterways. Five of the most problematic sewershed areas have been identified by the BWPCA for evaluation. In each case, two phases of construction are being proposed. The first phase involves the TV inspection, cleaning and CIPP lining of the existing combined sewers to eliminate infiltration from this high ground water area. The focus of Phase B is to remove (separate) storm water from the combined sewer system. The installations of separate storm sewers are being proposed to collect runoff from roadways and other paved surfaces. This should result in the diversion of over 60 % of storm water out of the waste stream. Funding for these projects is from the Clean Water Act which is administered by the Connecticut DEP.

From November 8, 2006 to the present, Mr. Koegel has played a major role, in the management of the Rehabilitation of the Avenue V Pump Station and Force Main in Brooklyn, NY. Serving initially as the Deputy Resident Engineer for the new force main installation and station rehabilitation, his responsibilities were elevated to Acting Resident Engineer for the force main portion of the project. This high-visibility New York City Department of Environmental Protection (DEP) project is valued at $100M and is slated to be completed by the end of 2010. It involves the installation of 18,500 LF of 42" force main and 13,000 LF of 48" force main. Three different work methods were required to install the force main including open cut excavation, jacking and microtunneling techniques. In addition, critical coordination was necessary with the NYC Parks Department in order to protect trees and vegetation.

Mr. Koegel has played a vital role in dealing and resolving an array of complex technical issues including dewatering problems, tunneling rescue operations, coordination with other city agencies and the redesign of a large portion of the work. Mr. Koegel has also worked on the development of SOP's (Standard Operating Procedures) to be utilized by the Department and become familiar with the majority of NYCDEP's standard operating procedures. His success can best be measured by the status of the project, i.e., on time and within budget.

A sampling of relevant project responsibilities include:

- Contract Document Study/Review/Enforcement
- Submittal/Shop Drawing Review
- Create Progress Meeting Agendas/I & T Presentations
- Run Meetings/ Deliver Presentations to NYCDEP
- Subcontractor/Vendor Management

Certifications

OSHA 10 Hour Health & Safety in Construction Industry (Training Requirements of 29 CFR 1926.21 OSHA)

Engineer-in-Training License (National Professional Licensing Agency) (April 2005)

Eligible for Professional Engineering Licensing Exam in 2011

ACI Concrete Field Testing Technician Grade 1

OSHA 10 Hour Safety Course

Years Experience

7

Office Location

Woodbury, NY

Contact

ckoegel@db-eng.com

- Coordinating Daily Concrete Inspection Program
- Executive Weekly/Monthly/Annual Reports/PMIS
- Coordination of Site Inspectors/Arborists/Community Liaison/Office Engineers, etc.
- Coordination of Daily Work Activities
- Review/Approve Payments
- Change Orders (Quantity Take Offs, Justification, Negotiation, Design)
- Correspondence (Claims/Field Memos/RFIs /RFCs/RFDs/Community Letters)
- Coordination Drawings, CPM/Schedule Analysis, Environmental, Health & Safety Issues.

Prior to his current assignment, Mr. Koegel, as an Assistant Resident Engineer and Inspector for the company's Environmental and Wastewater Group, was involved in the study of, project design, site inspection and project management for the following NYCDEP projects:

- CAT 210-C- Catskill Aqueduct Chlorine Line Replacement at Kensico, Emergency Contract On the CAT 210-C Emergency Contract, Mr. Koegel monitored the construction phase including but not limited to: excavation, trenching, sheeting, vault and pipe installation (as well as additional plumbing), concrete and asphalt installation, grading, hydroseeding. His other work on the project includes writing the daily reports, maintaining project photos, coordinating the site visitor list, punch list work, change orders, payments, site management and overall project coordination between the Contractor and NYCDEP.
- CRO 322-A- Reconstruction of Kensico Fluoride Facilities (Mechanical & Electrical Upgrade) Mr. Koegel has been involved in the pre-construction phase and responsible for such tasks as monitoring construction; review of plans and specifications; preparation of permit logs; daily reports; project photos; drawing and specification review; public information paper; subcontractor reference checks; project meeting agendas/minutes; emergency contact list; construction cost indexes; as well as the review of the documents, such as, subcontractor and vendor approvals; HASP; shop drawings; and, schedule of values.
- CAT 274A- Installation of Temporary Siphons at Gilboa Dam
- CAT 274B- Temporary Notch at Gilboa Dam
- CAT 276- Temporary Flood Control at Ashokan Field Campus

He became very familiar with the overall structure of New York City's Water Supply System, as well DEP project coordination requirements and organization hierarchy. During the construction phase, for the above projects, Mr. Koegel monitored and was involved with the following tasks:

- Mobilization/Deliveries
- Utility installation for temporary trailers (phone, water, sewer, electric)
- Site access list/coordination with DEP Police
- Erosion and sediment control installation
- Temporary facility foundation construction

JOINT VENTURE

JOHNSON UDOYE, P.E.

Professional Experience

Mr. Udoye has more than 25 years of experience in inspection, field engineering, construction inspection and administration related to the inspection, maintenance, repair, construction and rehabilitation of water treatment facilities, infrastructure, bridges and highways, buildings and other facilities.

Mr. Udoye's specific experience is summarized below:

Port Authority of New York and New Jersey, Condition Survey of Signs and Lighting Structures of New York

Mr. Udoye performed condition surveys of Manhattan bridges: Holland Tunnel, Lincoln Tunnel and Port Authority Bus Depot.

New York City Department of Transportation, Coney Island Avenue Bridge over the Belt Parkway, Brooklyn, New York

As Chief/Senior Inspector, Mr. Udoye performed construction inspection and maintenance of records for complete replacement of Coney Island Bridge over Belt Parkway. The existing three-span bridge was demolished and replaced with a new two-span continuous structure. The two-year, $10 million project was completed using stage construction and required night work over the heavily traveled Belt Parkway.

New York City Department of Transportation, Rehabilitation of Hutchinson River Parkway Bridge over Amtrak Railroad

As Office Engineer/Chief Inspector, Mr. Udoye supervised the construction inspection staff, prepared payment documents, reviewed material documents and maintained daily and monthly record books as per NYCDOT and NYSDOT MURK requirements. He monitored railroad force accounts and reviewed payments for force account reimbursement. Mr. Udoye assisted the Resident Engineer in preparation of monthly reports and change orders.

New York State Department of Transportation, Reconstruction of Two Bridges and Rehabilitation of Three Bridges on I-684/Route 22

As Senior Inspector, Mr. Udoye supervised other inspectors and provided general supervision of construction procedures, including pile driving activities. He also prepared daily reports, schedules, payment authorizations, in-place quantities, workmanship, job safety, etc.

Professional Qualifications

Certifications

ACI-CP Grade IV

ACI-Onsite Field Testing Technician – Grade I

OSHA – 10 Hour Training Course

Confined Space Entry Training

Hot Work Permit PAT

Years Experience

25+

Office Location

Woodbury, NY

New York City Department of Transportation, Reconstruction of Dereimer Avenue

As Chief Inspector, Mr. Udoye supervised other inspectors and provided general supervision of construction procedures, including pile driving activities. He prepared daily reports, schedules, payment authorizations, in-place quantities, workmanship, and job safety.

New York City Transit Authority, Lincoln Tunnel Bridges, Biennial Inspection

As Senior Inspector, Mr. Udoye supervised other inspectors and provided general supervision of construction procedures, including pile driving activities. He prepared daily reports, schedules, payment authorizations, in-place quantities, workmanship, and job safety.

New York City Department of Environmental Protection - CM Services-Reconstruction of Primary Settling Tanks Odor Control Building, Coney Island, WPCP, New York

Mr. Udoye provided on-site Resident Engineering for construction activities, start up and testing, contract administration, inspection, QA/QC, preparation of partial payments, weekly executive/permit log reports, monthly I & T reports, negotiations, preparation of change orders and close out activities.

New York City Department of Environmental Protection – Spring Creek Auxiliary Water Pollution Control Plant Stabilization Upgrade, Brooklyn/Queens, New York

As Resident Engineer/Office Engineer, Mr. Udoye was responsible for construction monitoring, inspection and office engineering for the modernization of the storm water treatment plant.

New York City Department of Environmental Protection – GIS Sewer Mapping Project

As a field engineer, Mr. Udoye supervised the electronic scanning and indexing of the NYCDEP sewer records at Borough offices as a prerequisite to the rectification and digitizing of a GIS sewer mapping of all New York City sewers. Over 180,000 source documents were scanned under this effort and resulted in an interactive data base for 6,000 miles of sewers including 300,000 manholes and structures.

New York City School Construction Authority, PS 47 Prototypical Mini School Addition

As Senior Inspector, Mr. Udoye supervised other inspectors and provided general supervision of construction procedures, including pile driving activities. He prepared daily reports, schedules, payment authorizations, in-place quantities, workmanship, and job safety.

Tri-City Sewer Commission, Hoboken Wastewater Treatment Upgrade

As Senior Inspector, Mr. Udoye supervised other inspectors and provided general supervision of construction procedures, including pile driving activities. He prepared daily reports, schedules, payment authorizations, in-place quantities, workmanship, and job safety.

JOINT VENTURE

RAYMOND W. CHOLEWKA, P.E.

Professional Experience

Mr. Cholewka has 45 years of experience in construction management of major transportation and wastewater projects, with special emphasis on bridge construction and rehabilitation projects for the NYSDOT, NYCDOT, and ConnDOT Highways and Bridges.

Port Authority of New York & New Jersey (PANYNJ), Bollard Project at Newark-Liberty, John F. Kennedy, and LaGuardia Airports, New York, NY and Newark, NJ - Resident Engineer. Supervised construction of crash barriers on the Port Authority Bollard Project at three major NYC Airports. The work involved constructability reviews and bid package preparations for 12 separate contracts plus construction management of two individual contracts at La Guardia Airport (Terminals C & D).

New York City Department of Transportation (NYCDOT), 15th Avenue Bridge over Sea Beach Line, Brooklyn, NY - Resident Engineer. Supervised repair of cracked deck and sidewalk on 4 span 15th Avenue Bridge over Sea Beach Line (N Train) for the NYCDOT in Brooklyn, NY. Work included installation of micro silica concrete overlay on milled sidewalks and application of epoxy resin sealer to penetrate and fill cracks in precast post-tensioned piers. Attended safety training for MTA-NYC Transit Track Safety Certification. Worked closely with NYC Transit Inspectors & Flagmen at 18th Ave. & New Utrecht Ave. Subway Stations during General Outages.

New York City Department of Environmental Protection (NYCDEP), New Croton Aqueduct (NCA) Rehabilitation Project, New York - CM Site Safety Officer. Successfully reduced the accident rate by promoting compliance by the CM field inspection staff and the Contractor's work force with their respective Health and Safety Plans (HASP) for this $100 Million unique repair project. Updated the CM HASP and reviewed job hazard analyses for all major work activities. Participated in routine safety audits conducted by BEDC EHS representatives and documented all significant safety and environmental incidents with independent reports that identified root causes and recommended corrective actions.

New York State Department of Transportation (NYSDOT), Interstate 86 Upgrade of Route 17, Orange County, NY - Resident Engineer. Supervised 12 inspectors and field office staff providing construction inspection services for the $65 Million Interstate 86 upgrade of Route 17 in Orange County for the NYSDOT (Region 8). This 9 mile stretch of highway from Exit 116 to Exit 121 at Middletown was successfully rehabilitated on time by using Primavera P6 software for schedule control. Sections of roadway were milled, rubblized, and resurfaced, including a 4 mile section with full depth reconstruction. Three bridges underwent various repairs and upgrades including replacement of concrete deck, back walls, pedestals, and bearings. Also supervised the construction of a new multi-steel girder bridge carrying Route 17 over a future Town of Wallkill connecting road between two shopping centers in Middletown. Environmental considerations mandated the construction of 6 wetland mitigation areas on project. Work involved coordination with Metro North RR

Professional Societies
National Society of Professional Engineers
American Society of Civil Engineers

Years Experience
45 Years

Office Location
Newark, NJ

Contact
info@kseng.com

personnel for the rehabilitation of an existing bridge carrying Route 17 over the Port Jervis Commuter RR line.

NYCDEP, Bowery Bay Water Pollution Control Plant, New York - Resident Engineer. Supervised a field staff of 12 inspectors during construction for the upgrade of the NYCDEP Bowery Bay Water Pollution Control Plant. This $200 Million project included construction of new process air headers for aeration tanks, installation of 5 new process air blowers, replacement of sluice gates and actuators for the final settling tanks and installation of new influent bar screens. In addition, successfully reconstructed concrete tanks, provided mini-pile foundations for temporary blowers and performed lead paint abatement for the removal of old piping and other hazardous waste material, following OSHA guidelines and procedures.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer	2012 - Present
URS Corporation	CM-Site Safety Officer	2011
TECTONIC Engineering Consultants, P.C.	Resident Engineer	2009 - 2010
AECOM, Inc.	Change Order Manager; Resident Engineer	1998 - 2008
HAKS Engineers, P.C.	Business Manager/Project Manager	1996 - 1998
Berger, Lehman Associates, P.C.	Resident Engineer	1990 - 1995
Hazen & Sawyer	Project Manager	1986 - 1990
Storch Engineers	Resident Engineer	1985 - 1986
Hardesty & Hanover	Resident Engineer	1982 - 1985
Leonard S. Wegman Co., Inc.	Resident Engineer	1981 - 1982
Vollmer Associates	Senior Engineer/Project Manager/Resident Engineer	1979 -1981
Tippetts-Abbett-McCarthy-Stratton	Structural Engineer	1978 - 1979
Mueser, Rutledge	Assistant Resident Engineer	1969 - 1978

JOINT VENTURE

DENNIS F. KOEHLER, P.E.

Professional Experience

As Senior Vice President of the firm with over 40 years of experience, Mr. Koehler has acted as Project Engineer on over 500 mechanical wastewater and water works projects. Prior to his association with our firm, Mr. Koehler worked for the New York State Department of Transportation and was a first Lieutenant in the United States Army Corps of Engineers. Mr. Koehler has devoted most of his career to providing services to New York City agencies where he has planned, designed and provided construction management services.

Mr. Koehler has recently completed as Project Manager, the following New York City Department of Environmental Protection (NYCDEP) pumping station projects listed below that were affected by Superstorm Sandy:

- Mason Avenue Pumping Station
- 49th Street Pumping Station
- Nevins Street Pumping Station
- 2nd Avenue Pumping Station
- South Beach Pumping Station
- Seagirt Pumping Station
- Van Brunt Pumping Station
- Rosedale Pumping Station
- Cannon Avenue Pumping Station
- Bush Terminal Pumping Station
- Nautilus Pumping Station
- Doug Bay Pumping Station
- Roosevelt Island South Pumping Station
- Roosevelt Island North Pumping Station
- Design of the $80 million Gowanus facilities upgrade for the NYCDEP. Mr. Koehler was the prime designer of the upgrading on the ongoing Gowanus pumping station to harden the facilities and assets from future storms. In order to protect the station, the electric controls were raised two feet, a dam-like barricade was installed to protect the generator fuel tank from floating, and automatic rising flood gates were designed and installed to protect the garage bay doors.

Mr. Koehler was selected by the NYCDEP to head the D&B QA/QC Team which involved reviewing much of the design, resilience and flood mitigation work being prepared by the NYCDEP "in-house design" group. To date, this QA/QC has been assigned the following projects:

- Orchard Beach Pumping Station.
- Throgs Neck Pumping Station.
- Newtown Creek Dechlorination System.
- Hannah Street Pumping Station.
- Rikers North Pumping Station.

Professional Societies

New York Society of Professional Engineers

Water Environment Federation

American Society of Military Engineers

Reserve Officers Association

American Water Works Association

Chi Epsilon - National Civil Engineering Honor Society

Years Experience

40+

Office Location

Woodbury, NY

Contact

dkoehler@db-eng.com

On all these projects, the basis of design report and the 30%, 60% and 90% plans and specifications were reviewed and a "Quality Review Comment Tracking Log" was submitted by the Team and used during the work sessions that followed each review.

Mr. Koehler has performed as the lead Project Director on five separate Construction Management (CM) contracts held with the New York City Department of Environmental Protection (NYCDEP) in the City's upstate watershed and water supply system including CM contract's WSHD-3BCM, WSHD-2BCM, WSHD-1CM, GILDAM-1CM and CRO-288. As the Project Director, he is responsible for day-to-day management and oversight of a staff of Resident Engineers, inspectors and administrative personnel assigned to various construction projects within the watershed.

Mr. Koehler was Project Manager on the $20 million City Island Force Main project. This project involved the design and construction management of one temporary and two permanent subaqueous force mains crossing 9,000 lf of Eastchester Bay. All work was performed as an emergency contract to the City of New York Department of Environmental Protection.

Mr. Koehler is the Project Director on GILDAM-CM02, Construction Management Services on the Gilboa Dam Renovation Project. In this capacity, Mr. Koehler works in administering construction of the project and providing technical advice regarding construction related matters.

Mr. Koehler was Project Manager/Engineer on the following projects:

- $6 million upgrading of five New York City sewage/storm water pumping stations. Project involved facilities plans, flow monitoring and extensive bypassing of existing flows.
- Construction management for the $120 million NYCDEP Avenue "V" pumping station and force main.
- Design of the Port Jervis Sewage Treatment Plant and Pumping Station upgrade.
- $5 million Bush Terminal pumping station, regulator, overflow and force main project for the New York City Department of Environmental Protection. This project involved the construction of a new pumping station 40 feet into the ground while being only 20 feet away from the Gowanus Bay. The project involved the design of an extensive sheeting and dewatering operation during construction.
- $11 million upgrading of the Conner Street and Ely Avenue pumping stations for the NYCDEP. Project also included the installation of a new 24" diameter force main and rehabilitation of two internal overflows and a regulator chamber.
- $7.5 million rehabilitation of the Lawrence and Peck and Little Neck Pumping Stations for the NYCDEP.
- $10 million rehabilitation of the City Island and Marble Hill Pumping Stations for the NYCDEP.
- $10 million design of the Neptune Avenue Pumping Station for the NYCDEP.
- DEL 173: Safety and process improvements to Delaware District WWTF.
- DEL 221: Interim improvements to Port Jervis WWTF and pumping stations.

JOINT VENTURE

db | KSE

KRISHNAMURTHY GOPALAKRISHNAN, P.E. (GOPAL)

Professional Experience

Mr. Gopalakrishnan's (a.k.a. Gopal's) professional experience includes over 37 years in the area of civil, hydraulic and environmental engineering with special expertise in wastewater treatment plant facilities planning, design, construction management and operations, start up and training.

Gopal has been with Dvirka and Bartilucci Consulting Engineers (D&B) for seven years. During this period, he has worked on the following projects:

- Gopal has been currently working as Project Manager for NYCDEP BWT Construction Inspection Services Contract. In this responsibility, he visits all the plants on a regular basis where BWT's contractor is performing work, reviews the work with the contractor and D&B staff during the inspection.

- Gopal worked as Project Manager on a Risk Assessment, Prioritization and Asset Management (RAPAM) project to evaluate all wastewater, water supply, roads, bridges and other infrastructure of a public agency where the total assets number more than 250,000 and over 1,000 sludge pumps. The size of this project is unusually large in comparison to other clients, where the typical quantity may range from hundreds to thousands of assets. The purpose of this project is to create a comprehensive and sustainable asset management program. The product of this exercise will be the development of a list of fundable projects for inclusion in current Capital Improvement Plans, as well as in future plans. This particular project has required extensive coordination with our client's design and operating bureaus and management departments.

- Passaic Valley Sewerage Commissioners Plant, Newark, NJ
  - Return sludge piping
  - Mixed liquor channel skimmings removal
  - Final tank drive replacement

- New York City Department of Environmental Protection
  - Task Order Contract
  - Wards Island – CBS/PBS Upgrade
  - Coney Island – CBS/PBS Upgrade
  - Oak Beach – CBS/PBS Upgrade
  - Avenue V PS - Construction Management of Pump Station and Force Main
  - Coney Island and North River – TRC Project
  - BWT CM Project
  - OB/PR CM Project
  - Total Residual Chlorine Project – North River and Coney Island
  - BWT Construction Inspection Services

[redacted]

Professional License

New York

Certifications

Grade IIIA Operator's Certificate – New York

Grade IV NYWEA Collection System Operator Certification (voluntary)

OSHA – 10 Hour Construction Safety

Professional Societies

American Society of Civil Engineers - Fellow

Water Environment Federation – Member

Years Experience

37+

Office Location

Woodbury, NY

Contact

kgopal@db-eng.com

- Nassau County
  - Nassau County Bay Park STP – Main Pump Station Upgrade
  - Nassau County Master Plan – Pump Stations Evaluation
  -

Gopal retired from the New York City Department of Environmental Protection (NYCDEP) after 17 years of service. Prior to that time, he spent over 12 years in the private sector. His responsibilities at NYCDEP covered many program areas in several positions, including Director of Facilities Engineering, Chief of Facilities Planning, Bureau Chief Contracting Officer, and Engineering Specialist in the Division of Sludge Engineering and Planning. In the private sector, his responsibilities covered facilities planning, design and construction supervision of wastewater treatment plants.

At the NYCDEP Bureau of Wastewater Treatment, Gopal held various positions. As Director of Facilities Engineering, he was responsible for:

- Operations, start up and training for all wastewater facilities systems, which include process systems, boiler systems, emergency generators and substation equipment.

- All capital and expense construction projects for the bureau that annually amounted to $30 to $40 million in capital contracts and $10 million in expense contracts which covered structural, civil, mechanical, electrical, instrumentation and service contracts.

- Management of all support services such as electrical services, heavy equipment services, instrumentation services, Information System (MIS) and management planning for all of the 14 wastewater treatment plants and pumping stations.

- Coordination of all major capital projects including facilities planning, design and construction in all of the plants, pumping stations and CSO facilities; and preparation of capital budget and evaluation of all new products and equipment.

As Chief of Facilities Planning, he acted as Bureau Chief Contracting Officer. Also, he was responsible for:

- Management of various research projects involving Biological Nutrient Removal in pilot and full-scale; and studies on primary tank and final tank performance.

- Registration, maintenance and upgrade of all CBS/PBS tanks in all plants and pumping stations.

- Testing of various new equipment and products.

- Review of design and construction coordination of all major capital projects, such as:
  - 26TH Ward WPCP
  - Bowery Bay WPCP
  - Jamaica WPCP
  - Hunts Point WPCP
  - Newtown Creek WPCP
  - Tallmans Island WPCP
  - Wards Island WPCP
  - Flushing Bay CSO
  - Paerdeget Basin CSO
  - Avenue "V" Pumping Station
  - Gowanus Pumping Station.

JOINT VENTURE

db | KSE

CHRISTOPHER W. FRANCIS

Professional Experience

Mr. Francis' engineering experience includes both design and construction management inspection in civil, wastewater and water supply projects. Mr. Francis is responsible for multiple water main improvements and water storage tank construction and rehabilitation projects, handling the Project Management, design, field coordination and inspection during construction.

Mr. Francis is the firm's coatings inspection and condition assessment engineer. He is a NACE Level II certified coatings inspector and a ComTrain certified tower climber. He performs Health Department required semi-annual sanitary inspections and pre-bid condition assessments on elevated and ground level tanks for various Water Districts and Authorities on Long Island, as well as inspection during construction during paint and rehabilitation projects. He has extensive experience with identifying corrosion and breakdown of coatings on steel, aluminum, cast iron and concrete structures used in potable, waste and secondary containment applications.

Some current tank rehabilitation projects have included:

- Preparation of plans and specifications for the proposed construction of a new 500,000 gallon elevated water tank in Wantagh, New York, for Aqua New York.
- Project Manager for the construction of a new 600,000-gallon elevated water storage tank in the Village of Sea Cliff, New York for Aqua New York.
- Prepared plans and specifications for the repairs, modifications and painting of the 500,000 Gallon Spring Close Highway elevated water tank in East Hampton, New York for the Suffolk County Water Authority.
- Prepared plans and specifications for the repairs, modifications and painting of the 1.0 MG Lambert Avenue elevated water storage tank in Copiague, New York for the Suffolk County Water Authority.
- Prepared plans and specifications for the repairs, modifications and painting of the 1.0 MG Pleasant Avenue elevated water storage tank in Centereach, New York for the Suffolk County Water Authority.
- Prepared plans and specifications for the repairs, modifications and painting of the .75 MG Astor Avenue elevated water tank in St. James, New York for the Suffolk County Water Authority.
- Prepared plans and specifications for the structural steel and antenna mount modifications and painting of the 1.3 MG Laurel Hill Road elevated water storage tank in East Northport, New York for the Suffolk County Water Authority.

[redacted]

[redacted]

[redacted]

- Prepared plans and specifications for the installation of a vinyl liner at the community pool for the Incorporated Village of Mineola in Nassau County, New York.

- Prepared plans and specifications for the repairs, modifications and painting of Well #4 clearwell and packed tower base for the Albertson Water District in Nassau County, New York.

- Prepared plans and specifications for the repairs to the packed tower base for the Incorporated Village of Williston Park in Nassau County, New York.

Mr. Francis previously was the firm's Project Manager for wireless telecommunication project designs. He has over 13 years' experience in this fast paced industry. His responsibilities included overall project management, site design, structural recommendations, utility coordination and construction management for well over 1,000 telecommunication sites within the tri-state region for the five national wireless service providers. Mr. Francis has appeared before planning, zoning and architectural Review Boards on Long Island and has extensive knowledge of zoning requirements for Long Island's individual townships and villages. He is also familiar with the requirements of New York City's Building Department and Landmarks Preservation Commission. Mr. Francis has created a standard library of approved construction methods for antenna and cable attachment on elevated water storage tanks that maintain the integrity of tank paint coatings, as well as protect the water supply from contamination. He continues to present telecom solutions to water suppliers in Port Washington, Albertson, Sands Point and Suffolk County (Suffolk County Water Authority) for their water tanks during telecom installation upgrade drawing reviews.

Mr. Francis is also responsible for Well Rehabilitation and Well Pump Replacement projects. He has put together plans, specifications, witnessed pumping tests and video inspections of the well, coordinated field activities of inspection staff and made replacement cost recommendations to private and municipal clients in Port Washington, Albertson, Great Neck, Levittown, Mineola and Williston Park. These projects include coordination with the Nassau County Health Department to get the wells approved and back in service after repair. Mr. Francis has personally inspected most of these jobs while also providing project management.

Mr. Francis gained significant construction management experience in the installation of the subaqueous force main at City Island. This $20 million endeavor for the New York City Department of Environmental Protection involved the installation of two 14" HDPE wastewater force mains that connect City Island to the Bronx mainland under Eastchester Bay. Mr. Francis has worked as Field Engineer and Inspector on this project through both temporary and permanent phases of construction. His responsibilities included construction inspection and implementing field recommendations, as well as inspecting the condition of new pipe, accuracy of pipe fusing and the construction of valve chambers on each shoreline.

Mr. Francis has additional experience in the inspection of swimming pool revitalizations. He was Field Engineer for Wantagh Park pool improvement project in Wantagh, NY, and Project Engineer for the Village of Mineola pool liner improvement in Mineola, NY. Such work involved the management of the construction activities by three separate contractors and field investigations for Nassau County Department of Public Works.

Mr. Francis has done field inspections of road improvement projects located at Williston Park and Port Washington, assisting project engineers with surveying and daily inspection.

JOINT VENTURE

MATTHEW R. DeVINNEY, P.E.

Professional Experience

Mr. DeVinney's professional experience includes a variety of multimedia environmental compliance projects for municipal and industrial clients, involving the management of hazardous and nonhazardous waste, air emissions, storm water discharges, spill prevention planning, petroleum and chemical bulk storage and regulatory compliance audits. Mr. DeVinney's experience also includes a variety of environmental design projects, including environmental remediation, wastewater treatment, chemical and petroleum storage tanks and building construction.

Mr. DeVinney's specific experience is summarized below:

- Mr. DeVinney provided technical support for the Dormitory Authority of the State of New York (DASNY) to advance the "New York Rising" Program with coordination and final review of Tier 2 Environmental Reviews that are required under the National Environmental Policy Act (NEPA) and New York State Environmental Quality Review Act (SEQRA). The Tier 2 reviews were conducted by a number of D&B personnel on properties where homeowners had applied for disaster relief funding to repair damage sustained during Hurricane Sandy. The review process included conducting database searches and creation of 15 or more custom maps for each property in ArcGIS Explorer Desktop to document the property's proximity to environmental, aesthetic or historic resources and to identify potential nearby sources of environmental contamination. The D&B Quality Assurance/Quality Control (QA/QC) team provided group/individual training, tracking forms and guidance for use by the D&B personnel completing the initial review process. The resulting completed checklists, associated maps and other documentation for each property were then subjected to an internal review by the D&B QA/QC team to ensure that the client received an accurate and consistent review report. The QA/QC team was also responsible for downloading site inspection files, assigning sites for initial review, tracking the status of each assignment through the preparation and review process, and uploading review report files when completed.

- Serves as Project Manager for an on-going environmental monitoring program at the Staten Island Courthouse construction project for the Dormitory Authority – State of New York. D&B's role in the overall construction project included several different areas of expertise. First, D&B provided the client and its contractors guidance on the management of soil to be excavated from the site as part of the construction of the new courthouse building. This involved reviewing analytical data from current and historical soil samples collected at the site and interpreting the data with respect to the definitions of "historic fill", hazardous waste, hazardous substances, hazardous materials, naturally occurring asbestos, as well as possible disposal or use/reuse scenarios and options. The results of each analysis and data interpretation were presented to the client in a series of "quick turnaround" letter reports prior to initiating and throughout the

Certifications

40 Hour Health and Safety Training for Hazardous Waste Sites in Accordance with 29 CFR 1910.120(e)

Certified Space Entry Training in Accordance with 29 CFR 1910.146

Steel Tank Institute Level 2 AST Tank Inspector

AERMOD/ISC Modeling Computer Laboratory

Years Experience

11+

Office Location

Woodbury, NY

Contact

mdevinney@db-eng.com

duration of the excavation work. During construction, D&B reviewed contractor submittals related to off-site transportation and disposal of contaminated soil, including destination facility permits and acceptance criteria. In addition, since Naturally Occurring Asbestos (NOA) was identified on-site, D&B provided technical assistance and guidance related to the excavation and handling of this material. D&B provided on-site monitoring during soil excavation to oversee the excavation operation with respect to use/reuse versus proper off-site transportation and disposal of excavated soil. Finally, D&B implemented an air monitoring program which involved the installation of four perimeter air monitoring stations at upwind, downwind and crosswind locations to monitor particulate emissions emanating from the construction site during excavation activities. Project specific thresholds were monitored and the client was notified of any exceedances. Monitoring frequency was based upon the activities completed and varied throughout the program, but was generally once per week. Daily field activity reports were generated to summarize and present data obtained from the on-site monitoring and air monitoring activities. A final report summarizing the overall program will be prepared at the completion of the project. Mr. DeVinney's responsibilities during the project involved overall project management, project scoping, oversight of field personnel, review and concurrence regarding all soil management scenarios, and preparation of monthly reports.

- Served as Project Engineer as a member of the design team in support of the remedial design phase of the Former Bouchard Junkyard Project for the New York State Department of Environmental Conservation. Responsibilities during the remedial design phase included the following: evaluation of soil washing remediation technology, including feasibility and implementation, evaluation of the alternate remedial option of excavation and off-site disposal, providing recommendations for implementation of the alternate remedy, preparation of design documents for the excavation and off-site disposal of PCB contaminated soils and sediment, and preparation of detailed construction cost estimates.

- Served as Project Engineer as a member of the design team in support of the remedial design phase of the Dewey Loeffel Site for the New York State Department of Environmental Conservation. This project included the extraction of leachate contaminated groundwater from a former industrial landfill and treatment of the extracted leachate in an industrial waste treatment facility. Responsibilities included evaluation of remedial and pre-design investigation data to develop influent characteristics for the extracted leachate and development of an extensive process flow diagram to treat the extracted leachate to meet NYSDEC imposed effluent criteria. Treatment process operation included using oil/water separation, aeration, equalization, chemical precipitation and membrane filtration, neutralization, air and steam stripping, carbon adsorption, reverse osmosis and post aeration. In addition, the process flow diagram included a regenerative thermal oxidizer with acid gas scrubber, evaporator, sludge thickeners and filter press to manage process waste streams. Mr. DeVinney was responsible for selecting, sizing and specifying process equipment, developing contract drawings for both the treatment plant as well as the leachate extraction system, an on-site landfill for the disposal of soil generated during construction, and the preparation of detailed construction cost estimates.

- Served as Project Engineer during the pre-design investigation phase of the New Cassel Industrial Area project for the New York State Department of Environmental Conservation. The project included the collection of groundwater samples from existing monitoring wells and installation of temporary vertical profile wells to characterize groundwater quality. Mr. DeVinney's responsibilities included assisting with scoping the field program, management of the field program activities, evaluation of environmental data, preparation of the pre-design investigation report, which considered the feasibility of the installation of in-well air stripping technology to remediate site contaminants, and recommending the alternate remedy of groundwater extraction and treatment based upon hydrogeologic and environmental data.

JOINT VENTURE

RONALD C. DELO, P.E., BCEE

Professional Experience

Mr. Delo's professional experience includes over 39 years in the area of civil and environmental engineering with special expertise in wastewater treatment plant and solid waste management facilities planning, design, construction management and operations. A major part of his duties and responsibilities has included evaluating the efficiency and effectiveness of wastewater equipment and processes and developing plans, designs, administering construction, coordinating startup, testing and training and directing the operation of upgraded wastewater equipment and processes.

Mr. Delo is D&B's head of QA/QC and auditing of CM sites on all NYCDEP projects. His responsibilities include; prepare and continuously improve site specific CM Quality Management Plans (QMPs) including detailed procedures and checklists for the various construction activities for each construction project, provide training of the CM staff on the QMPs, perform QA/QC audits and surveillances of the construction management projects including exit interviews and client satisfaction reports and work with CM staff on corrective actions and preventive actions for deficiencies noted during audits and surveillances.

Mr. Delo's specific experience is summarized below:

- Senior Quality Assurance Director/Project Manager: Mr. Delo is the Project Manager for two projects for Orange County, New York involving evaluation, design and construction administration for new influent screenings equipment and rehabilitation of four existing sand filters. In addition, Mr. Delo has prepared and implemented construction management quality management plans and environmental, health and safety management plans for several NYCDEP construction projects including training of the construction management staff on the plans and on the DEP's Standard Operating Procedures. He provides audits of the construction projects to verify compliance with the plans and to assist the construction management teams in delivering high quality construction projects on time, on budget, safely and environmentally compliant."

- Director, Department of Environmental Management and Engineering, Town of Orangetown: Mr. Delo was responsible for all planning, siting, permitting design, construction, operation and maintenance, administration and financial matters for capital and operating programs of the Town Sewer Department, which includes a 12.75 mgd secondary wastewater treatment plant, 48 pumping stations and approximately 200 miles of sewers. He served as Town's storm water management officer and engineer for drainage and various public works and environmental projects and issues including over $12 million for new soccer and baseball complexes and a major flood mitigation project. Mr. Delo served as professional and

Certifications

Certified Diplomate of Environmental Engineering

Years Experience

39+

Office Location

White Plains, NY

Contact

rdelo@db-eng.com

technical advisor to the Supervisor and Town Board for major redevelopment projects of recently acquired surplus state psychiatric center property involving development of public and private recreation facilities, remediation of asbestos/lead paint laden structures/site and private development of a portion of the property. He developed a multiyear capital improvement plan to address aging and deteriorating infrastructure for the Sewer Department including over $50 million in current improvements and spearheaded effort to create a Town Sewer District and establish a new rate system for sewer charges which more equitably distributed the cost of sewer service, as well as developed a plan for the establishment of a Town Drainage District in order to address stormwater management issues facing the Town.

- The Executive Director of the Rockland County Sewer District No. 1: Progressed from Engineer II to Engineer III to Assistant Director and became Executive Director in 1989. Mr. Delo was responsible for all planning, siting, permitting, design, construction, operation and maintenance, administration and financial matters for both capital and operating programs of the Sewer District, including over $300 million in capital improvements and expansion of facilities.

  Mr. Delo initiated and led an effort to solve both the public health and environmental problems of failing septic systems in an area of the County previously unsewered and providing a new water source through development of an advanced wastewater treatment plant to serve this unsewered area with the highly treated effluent discharged back to the aquifer as a new water source. In addition, he developed innovative ways of funding and procuring theses new facilities and services including obtaining special State legislation for the first design/build/operate wastewater facility constructed in New York State and obtaining numerous Federal and State grants and low cost financing for same.

- Engineer for the New York State Department of Transportation - Construction Division: Responsible for engineering and administration of various types of highway construction including roads, bridges, drainages, etc.

- Solid Waste Management Authority: Mr. Delo served as Executive Director of the Rockland County Solid Waste Management Authority from its creation in 1994 until 2004. Mr. Delo was asked to take this additional position because of an impressive track record at the Sewer District and the confidence the various elected officials in the County had in his ability to get difficult jobs done in a professional, efficient and effective manner. In this position, Mr. Delo immediately designed and implemented a budget and a user charge system to fund the Authority.

  Mr. Delo oversaw the siting, permitting, design, construction, operation and maintenance of several local, state, and national award winning solid waste management facilities including a permanent household hazardous waste facility, a biosolids cocomposting facility, a materials recovery facility and a preprocessing facility/transfer station.

  Solid waste management facilities of the Authority now serve as regional facilities providing service to communities outside of the County, thereby serving their solid waste management needs in an efficient and effective manner while providing financial benefit to the ratepayers in Rockland County.

  Mr. Delo was instrumental in acquiring over $10 million in grants and $22 million in low interest financing for the Authority's facilities and programs.

JOINT VENTURE

db | KSE

JANARTHAN KIRUPANANTHAN

Professional Experience

Mr. Kirupananthan serves as project engineer for the Wastewater Collection and Treatment Division. His experience includes technical engineering reviews and evaluations for project planning, design, specifications and detailed plan reviews.

Mr. Kirupananthan's experience includes the following wastewater collection and treatment projects:

- Assisting with the technical design of plans and specifications, including technical engineering reviews for Port Washington Water Pollution Control District.
- Technical engineering reviews for Great Neck Water Pollution Control District.
- Technical engineering reviews for City of Long Beach, New York Ave Pumping Station.
- Technical engineering reviews for Nassau County, including Bay Park Sewage Treatment Plant and Ray Street Pumping Station.
- Technical engineering reviews for Suffolk County, Bergen Point Wastewater Treatment Plant.
- Creating charts/graphs, excel sheets, pictures, figures, drawings for the technical data and other supporting documents essential for Engineering Reports, Proposals, etc.
- Assisting the field engineers with research, data on materials/equipment and other technical support.
- Assisting office staff with transmittals, RFI's and keeping construction managements logs up to date.

Certifications

International Code Council Certified Structural Welding Inspector

International Code Council Certified Structural Steel and Bolting Inspector

ACI Certified Concrete Construction Special Inspector

OSHA Confined Space Entry Training

Passed Fundamentals of Engineering- 2009

Candidate for Professional Engineer- 2013

Years Experience

2+

Office Location

Woodbury, NY

Contact

jkirupananthan@db-eng.com

JOINT VENTURE

EDDIE DIANGCO

Professional Experience

Mr. Diangco has 24 years of extensive working experience in various engineering practices involving QA/QC and field engineering with an emphasis on inspection and testing during fabrication/erection in refineries, GOSP and well-head platforms (offshore), Industrial and Power station projects and other phases in the Oil/Gas and Petrochemical industry. Involved in piping, welding, painting, structural installation and non-destructive testing. Inspection for Masonry, Concreting, Fire Proofing, Fire Stopping, Structural Steel/Bolting and other related controlled inspection during the construction, restoration and upgrading of different Schools of New York City School Construction Authority, Private Schools, Hospitals, Commercial and Residential Buildings. His relevant project experience includes:

Future Tech Consultant, Multiple Projects, Multiple Clients, Multiple Sites - Construction Special Inspector (Structural Steel/Bolting, Masonry – Reinforced Concrete) for multiple projects including public and private schools, hospitals, residential and commercial buildings. Duties and responsibilities included the review of approved plans, specifications, mock-up panel samples, concrete design mix and submittals for special inspection requirements. Checked and verified specified sizes, type, grade of materials and all embedded ties, reinforcement, inserts, seismic clips and anchoring. Checked and verifed weather-proofing, insulation, wall fire rating, joint sizes profile, plumbness and alignment. Checked and monitored mortar mixing, retempering, handling, placement, and protection during severe cold and hot weather. Witnessed and verified reinforcement and connector placement, masonry and grout placement, and skidmore test for high strength bolts. Took representative samples for mortar and grout. Checked and verified reinforcing steel spacing, securing, splicing/lapping, minimum cover and form works. Monitored concrete discharge, adding of water/slump, time intervals, placement and consolidation. Verified bolt sizes, length, grade, type, connection type, faying surfaces, bolt holes, torque requirement and tightening method. Notified the Contractor, Architect or Engineer of records and building officials of any deviation and discrepancies by written reports.

Municipal Testing Laboratory, New York City Public Schools, Multiple Sites - Construction Special Inspector (Structural Steel/Bolting, Masonry – Reinforced Concrete) for work on New York City Public Schools. Served as a Special Inspector during the construction, restoration and upgrading of schools. Duties and responsibilities included the review of approved plans, specifications, mock-up panel samples, concrete design mix and submittals for special inspection requirements. Checked and verified specified sizes, type, grade of materials and all embedded ties, reinforcement, inserts, seismic clips and anchoring. Checked and verifed weather-proofing, insulation, wall fire rating, joint sizes profile, plumbness and alignment. Checked and monitored mortar mixing, retempering, handling, placement, and protection during severe cold and hot weather. Witnessed and verified reinforcement and connector placement, masonry and grout placement, and skidmore test for high strength bolts. Took representative samples for mortar and grout. Checked and

Years Experience
24 Years

Office Location
Newark, NJ

Contact
info@kseng.com

verified reinforcing steel spacing, securing, splicing/lapping, minimum cover and form works. Monitored concrete discharge, adding of water/slump, time intervals, placement and consolidation. Verified bolt sizes, length, grade, type, connection type, faying surfaces, bolt holes, torque requirement and tightening method. Notified the Contractor, Architect or Engineer of records and building officials of any deviation and discrepancies by written reports.

AL-Hoty Establishment KSA, Saudi Aramco Northern Area Facilities (Onshore/Offshore) - Sr. Project Inspector (Piping / Welding / Painting). On-Shore Scope of Work: JBTETH II, 36"ø(Juaymah to Berri Gas Plant Pipeline), Fire water upgrading at Ras Tanura Refinery. Off-Shore Scope of Work: UMP jacket and deck module installation, Sub sea pipe line installation and testing, well-head hook-up and SCADA integration, multi-phase flow meter installation and testing, scraper facility installation and various platforms upgrading at Safaniya, Zuluf, Marjan Berri and Abu-Safah oil field. Duties and responsibilities included the review, comment and concurrence with Contractor's quality manual, plan, procedures and ITP's in accordance with Saudi Aramco quality standard. Reviewed Contractor's proposed QA/QC organization staffing and evaluated actual performance for acceptance. Attended scheduled QA/QC coordination meetings. Monitored, assessed and performed quality surveillance of the quality management system. Witnessed activities commonly denoted as hold, witness and inspection point. Interfaced with and assisted the Project Management Team in enforcing, recommending and interpreting Saudi Aramco standards and specifications. Performed final punch-listing of the facilities prior to the signing of the Mechanical Completion Certificate.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Inspector - Structural	2014 - Present
Future Tech Consultant	Construction Special Inspector	2011 – 2014
Municipal Testing Laboratory	Construction Special Inspector	2008 – 2011
AL-Hoty Establishment KSA	Sr. Project Inspector	2001 – 2006
Mitsui Engineering Shipbuilding Arabia Ltd.	Welding / Piping Inspector	1999 – 2000
Sanko Engineering Corp (Chiyoda Corporation - Main Contractor)	Piping Inspector III	1998 – 1999
EEI Corporation (Bechtel - Main Contractor)	QC Engineer II	1998 – 1998
Sanko Engineering Corporation (Chiyoda - Main Contractor)	Piping Inspector III	1995 – 1998
Chiyoda Nigeria Ltd	Progress Checker (Utilized QC Inspector)	1992 – 1994
National Power Corporation, Iligan City, Philippines	Laboratory Aide	1990 – 1991

JOINT VENTURE

ZORY DERESH

Professional Experience

Mr. Deresh has more than 30 years of experience in civil and structural engineering, as well as construction inspection and management/oversight. His representative project experience includes:

Tectonic Engineering & Surveying Consultants - Construction Special Inspector. Responsible for comprehensive site inspection, including reinforcing steel, fire stopping, fire resistance rated construction and fireproofing.

Long Island Materials Testing Lab, College Point, NY - Senior Civil-Structural Construction Inspection Engineer. Duties included identification of structural integrity problems in buildings under construction, and working with blueprints and specifications. Responsible for comprehensive site inspection, including reinforcing steel, fire stopping, fireproofing, welding, high strength bolts, decking, roofing, masonry, ultrasonic testing of welding, structural steel fabrication, and inspecting concrete at the batch plant and in the field. Performed follow-up audits of corrective actions. Prepared engineering inspection and weekly progress reports. Experienced in inspection of federal, state, city, and commercial projects. Gained extensive knowledge of construction codes and regulations.

City Construction Corporation, Tbilisi, Republic of Georgia - Civil Construction Engineer-Superintendent. Specialized in residential and commercial construction: apartment and office buildings, schools, hospitals, and industrial plants. Managed all phases of construction from excavation to commissioning of the building. Scheduled and coordinated work with subcontractors. Responsible for the quality and completion of work according to the time schedule.

TD Construction Corp., Tbilisi, Republic of Georgia - Assistant Superintendent. Responsibilities included repair and reconstruction of industrial and civil buildings, and supervision of excavations for building foundations. Estimated materials and labor costs. Controlled and enforced compliance with safety regulations.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Inspector	2014 - Present
Tectonic Engineering & Surveying Consultants	Construction Special Inspector	2012 - 2014
Long Island Materials Testing Lab	Construction Inspection Engineer	1981 - 2012

[redacted]

Ultrasonic Examination Qualified Examiner Operator Level II

Structural Steel Design Connection Association of Engineers, NY

Energy Code Compliance - The Geoper Union

10 Hours OSHA
NYC DOB Scaffold User Certificate

Years Experience
30 Years

Office Location
Newark, NJ

Contact
info@kseng.com

JOINT VENTURE

FRED KOOMSON

Professional Experience

Mr. Koomson has 35 years of construction inspection experience including performing bridge inspection, milling, roadway paving with concrete and asphalt, roadway reconstruction, drainage, sewer and water main installation. His experience includes providing construction oversight to ensure project schedule and specifications are adhered and keeping daily logs. These services have been provided for various agencies including the PANYNJ, NYCDDC, and NYCDEP. His other relevant project experience is as follows:

PANYNJ, New Jersey Marine Terminal Construction – Civil Inspector monitoring activities at Marine Terminal construction sites. Work includes installation, testing and inspecting Civil works. Provides oversight to ensure construction progresses as scheduled and contract specifications are adhered to. Prioritizes multiple assignments, maintain deadlines, and works in a team environment. Inspects construction site daily and works with contractors to schedule deliveries, follow safety requirements, adhere to quality and code compliance; files daily narratives and progress reports detailing personnel, equipment, materials and work summary. The following is a brief description of tasks that Mr. Koomson has completed for KSE under this assignment:

- Contract MFP-926.527, New Jersey Marine Terminals Building and Site Work Order - The work under this contract consists generally of general building construction for miscellaneous facility improvements including repair, rehabilitation, demolition and construction of various interior and exterior building systems such as curtain wall, roof, concrete slab, ceiling, floor tile, interior finish construction and fit up, painting, mechanical, HVAC, electrical, electronics, sprinklers, plumbing, conveying systems, interior landscaping and various utility runs within buildings and site work related, but not limited to repair, rehabilitation, demolition and construction of concrete and or asphalt paving, landscaping, concrete pads, sidewalks, curbs, erosion control, cracks and slurry seals irrigation, pavement striping, lighting, concrete traffic barriers, signage, traffic signals, electrical/communications ductbanks and wiring, drainage structures and piping, guide rails, exterior screening, exterior screening, exterior demising walls, fencing, and various utility runs to building lines and maintenance of traffic and work area protection at the New Jersey Marine Terminals of Port Newark, Elizabeth-Port Authority Marine Terminal and Port Jersey [Work Order #'s 1; 2; 5: 180 Heater Installation; 6; 8; 10; 14:Corbin and Tyler Street Sign Work; 17: Portable Guard Booth Installation; 18: Flood Protection at Build 260 and 111 Protective measures]
- Contract MFP-926.323, Port Newark Rail Repair via Work Order - The work under this contract consists generally of general repairs to, or replacement of, existing railroad track and turnouts, such as replacement of cross timers, surface and appurtenances and gauging of track, repair, rehabilitation, demolition and construction of drainage maintenance of traffic and Work area protection, pavement markings.

- Contract MFP-926.525, New Jersey Marine Terminals Paving and Utility Rehabilitation via Work Order - The work under this contract consists generally of asphalt milling, paving and installation of underground utilities, at Port Newark, Elizabeth Port Authority Marine Terminal, Port Jersey Marine Terminal North and South [Work Order #'s 1 Port St to Doremus; 4 BMW access road rebuild at Port Jersey; 10 Shoreline Restoration]
- Contract MFP-926.317, New York and New Jersey Marine Terminal Facilities Railroad Track Rehabilitation via Work Order - The work under this contract consists generally of performing general repairs to, or replacement of, existing railroad track and turnouts and or components of turnouts, replacement of rails and appurtenances and gauging of track, repair, rehabilitation, demolition and construction of concrete and/or asphalt pavement; concrete pads and walls; guide rails and fencing utilities; drainage; maintenance of at Port Newark, Elizabeth-Port Authority Marine Terminal. [Work Order #2 Berth 15 – 17 – 19; #4 Toyota Shoreline]
- Contract MFP-926.526, New Jersey Marine Terminals Priority Marine Rehabilitation via Work Order - The work under this contract consists generally of marine construction above and below deck; marine structure work; timber pile work; structural and concrete work including pile extensions and shortening; pile wrapping; excavation at the mud-line; cleaning of piles; chipping of concrete underwater, replacement of concrete underwater, installation of exterior or interior piles.
- MFP 926.319, New Jersey Marine Terminals Paving and Utility Rehabilitation via Work Order - The work under this contract consists generally of asphalt milling, paving, installation of storm drainage structures, piping and related work via Work Orders(s) at Port Newark , Elizabeth Port Authority Marine Terminal and Port Jersey

Multi Facility Fender System Rehabilitation – Removal, replacement, and disposal of damaged fender system; installation of vertical sheeting; re-securing of fender piles; reinstallation of rubber blocks at Berth 21-25, Berth 1 at Bayonne

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Civil Inspector	2008 - Present
Site-Blauvelt Engineers	Senior Inspector	1992 - 2008
Port Authority of New York & New Jersey	Quality Control Inspector	1983 - 1992
Flaherty Giavara Associates	Field Inspector	1979 - 1983

JOINT VENTURE

ROCHELLE LANCEY

Professional Experience

Ms. Lancey has about 29 years of experience in engineering. Her experience ranges from heavy/highway construction inspection to subdivision/land development construction surveillance and escrow contract monitoring. Project experience includes engineering design, inspection, field surveying, quantity computations, bidding and contract ratification, construction surveillance, construction materials testing, review of subdivision and land development plans, developing specifications of municipal projects for local government clients as well as private clients. Her representative project experience includes:

Port Authority of New York & New Jersey (PANYNJ), WTC Towers 1, 3, 4 & 7 - Senior Inspector. From Jan 2, 2008 to March 31, 2008, she was assigned to WTC Tower 1:

- Foundation, footings and concrete columns were being completed, and the work in basement levels Zone B, B3, and elevator core had begun. Observed the excavation into rock, rebar and concrete installation of footings, foundations and slurry liner wall. Discussed current issues with the contractors, consulting engineers MRCE and Cantor, and PA surveyors, and prepared a Daily Narrative for the PA records reporting the progress of the work with reference to contract drawings and specifications.
- Ms. Lancey also attended pre-construction meetings for Tower 3 and general WTC coordination meetings. I reviewed and made comments on submittals, and payments as requested.

From April 1, 2008 to Dec 2008, assigned to WTC Towers 3, 4, 7

- In the field, the contract for the construction was just commencing on Towers 3 & 4. She observed and reported on blasting operations, excavation to grade, and subsequent concrete and rebar installations for footings, slabs and shear walls. She also monitored rock anchor and caisson drilling, installation and testing. She represented the RE on incidents of an environmental nature, such as fuel spills, and coordinated with PA staff to improve site safety.
- At Tower 7, the office was performing final sign-off for Certificate of Occupancy for mechanical and electrical installations. Ms. Lancey participated in routine progress inspections, and punch list walk-through of completed work.
- In the office, continued duties in reviewing of shop drawings, including crane and stair towers, as directed. Also reviewed Tishman's daily reports for accuracy. Participated in meetings prior to and during blasting operations.

From 12/09 to 5/10-Inspector on WTC Tower 1 under the direction of Port Authority RE Christopher Hart.

Field duties included observation and reporting on contract work. Initially, reported on civil, mechanical and electrical progress. As staff increased, she concentrated on the civil work. Daily Reports included details of concrete installations for the core

Certifications

Years Experience
29 Years

Office Location
Newark, NJ

Contact
info@kseng.com

and slabs, masonry walls, and steel structure. Worked in cooperation with PA Materials inspectors, PA Safety personnel, Cantor Structural Engineers, Tishman, and various contractors on behalf of the RE.

Prepared a daily report on Safety Observations, which was forwarded to Tishman and Hart. Coordinated inspection of architectural finishes with Tishman, prepared punch list and sign-off. This included exposed concrete wall finishes, curtain wall, woodwork, and flooring.

New York City Department of Design & Construction (NYCDDC) – Construction Project Manager/Resident Engineer.

- Project Manager for government projects in a variety of settings, including: firehouses, police and fire facilities, schools and community centers.
- Manage projects and budgets ranging from $1-15M
- Review design documents, shop drawings and specifications for accuracy and completion.
- Coordinate all work performed by Agency and Consultant architects, engineers, surveyors, and testing services.
- Supervised field installations for mechanical, electrical, and plumbing in addition to general construction for prime and sub-contracts.
- Coordinate and conduct progress meetings, maintain work schedules, approved detailed estimates and payments.
- Drafted, negotiate and authorize change order requests. Prepared punch list.
- Liaison between client, consultants, and various government agencies
- Ensure deadlines are met and projects are within budget
- Generate reports and correspondence for project tracking
- Experience in Lump Sum, Unit Price, Job Order Contracting, and Time and Material contracts.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Inspector	2014 - Present
D&B Engineers and Architects PC	Inspector	2012 - 2014
HAKS Engineers and Land Surveyors, P.C.	Civil Inspector	2011 - 2012
Maitra Associates P.C.	Senior Inspector	2008 - 2010
NYCDDC	Construction Project Manager/Resident Engineer	1996 - 2007
New York City Department of General Services/Bureau of Construction (DGS/BOC)	Construction Project Manager/Resident Engineer	1986 - 1996

JOINT VENTURE

db | KSE

MICHAEL KOKOSZKA, E.I.T.

Professional Experience

Mr. Kokoszka's professional experience centers primarily in construction management, specializing in wastewater, water supply and civil engineering projects. His professional experience includes:

As an office engineer, Mr. Kokoszka performs daily project management tasks in support of the Resident Engineer for the NYC DDC Gateway Estates Phase D project (Contract # HD-161D). Day to day responsibilities include management of field inspection staff, organization of all project related submittals/correspondence/ meeting minutes, preparation of cost estimates and processing of monthly contractor payments.

As a Forensic Engineer, Mr. Kokoszka performed integrity monitorship for the following projects:

- New York City Rapid Repairs Program in Broad Channel, Queens – Mr. Kokoszka engaged in day-to-day inspections of residential properties relating to heating, hot water and electrical repairs. He provided engineering audits of prevailing wage documents and invoices.

- Alexander Hamilton Bridge NYSDOT Contract #D261253 – Mr. Kokoszka engaged in oversight of bridge rehabilitation work including compliance, quality assurance and requisition/change order reviews.

- Moynihan Station Civic and Land Use Improvement Project – Phase 1 – Mr. Kokoszka developed engineering oversight protocols in order to monitor contractor's compliance with contract documents and all applicable laws, codes and regulations

As a Civil Engineer Inspector, Mr. Kokoszka performed inspections on capital construction projects relating to sewer mains, water mains, roadway reconstruction and environmental disposal. He ensured compliance with all relevant contract and specification requirements and wrote daily reports with detailed takeoffs and calculations.

As an Assistant Project Manager, Mr. Kokoszka managed multi-million dollar public contracts on a day-to-day basis. He prepared detailed estimates and proposals for painting, specialty coatings, intumescent fireproofing, and hazardous material remediation (Lead, PCB, Mercury) based on specifications for New York City Transit and DEP projects. He implemented company-wide environmental remediation and disposal program in accordance with all applicable local and federal regulations.

Years Experience

Office Location
Woodbury, NY

Contact
mkokoszka@db-eng.com

JOINT VENTURE

STEPHEN J. LAUN, P.E.

Professional Experience

Mr. Laun is a Project Engineer in D&B's Water Supply Division assisting with design and construction of multiple water supply projects. Mr. Laun also performs site and roadway surveys in preparation for design of water mains and water treatment plant improvements. His projects have included the following:

- Project Engineer for the design and construction of the rehabilitation and upgrade of the Well 4 facility for the Sands Point Water District.
- Project Engineer for the construction of a new 2.0 MGD well and associated treatment facilities for the Levittown Water District.
- Performed distribution system modeling to evaluate alternative water sources for the Westchester Joint Water Works.
- Project Engineer for the design and construction of a 2.0 MGD ion exchange treatment system for nitrate removal at Port Washington Water District Well 4.
- Project Engineer for the design and construction of a 1.0 MGD packed tower aeration system at Port Washington Water District Well 6.
- Project Engineer for the design at the Springdale Road Booster Pumping Station for Westchester Joint Water Works.
- Designed booster pump station for seasonal use for Westchester Joint Water Works.
- Provided construction services for the construction of a 2.0 MGD granular activated carbon (GAC) treatment facility for the Roosevelt Field Water District in the Town of Hempstead.
- Project Engineer for the design and construction of a 4.0 MGD ion exchange treatment facility for nitrate removal for the Roosevelt Field Water District in the Town of Hempstead.
- Project Engineer for the design and construction of a 1.0 MGD packed tower aeration system for the Port Washington Water District.
- Project Engineer for the design and construction of a 3,000-gallon underground caustic soda storage tank at Well 17 in the Westbury Water District.
- Project Engineer for the design of water main improvements for the Water Authority of Great Neck North.

Professional Licenses

New York

Professional Societies

New York Water Environment Association (NYWEA)

American Water Works Association (AWWA)

Long Island Water Conference (LIWC)

Years Experience

21+

Office Location

Woodbury, NY

Contact

slaun@db-eng.com

- Performed distribution system modeling for the Port Washington Water District to evaluate pump station and water storage alternatives.
- Performed distribution system modeling for Glenwood Water District to evaluate water supply alternatives.

Prior to joining D&B in 2010, Mr. Laun worked on a wide range of engineering and science related projects including:

Manhattan College Graduate Research Assistant (2008-2009):

- Designed and conducted experiments to determine metal leaching from on premise plumbing due to various disinfectants.
- Designed and conducted experiments to determine the effects of nitrifying bacteria on harvested lead pipes.
- Designed and conducted experiments to determine copper and manganese leaching from manganese-bronze coupons.
- Ran the ICP for metals analysis.

Manhattan College Undergraduate Research Assistant (2007-2008):

- Performed analysis on metal leaching from lead and copper pipes.

Island Technology (2002-2006):

- Land Surveyor.
- Worked as field crew for a surveying company.
- Plotted surveys on the Sight Survey drawing program.

Els Associates (2004-2006):

- Land Surveyor.
- Worked as field crew for a surveying company.

JOINT VENTURE

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PAUL ANTONIO, P.E.

Professional Experience

Mr. Antonio is a Construction Manager/Resident Engineer with a strong background in civil and mechanical engineering. His expertise includes design, construction, cost estimating for NYCDEP water pollution control plants, wastewater treatment plant collection systems, main sewage pumping systems, chemical storage systems, pumping stations, digestion facilities, aeration tanks, clarifiers, primary clarifiers, and gas compression facilities. He also provides specialized services for the design and construction of odor control, heating, plumbing, fire protection, storm drainage, dredging, machine design, and generalized piping systems. In addition, Mr. Antonio also has experience in providing planning, design, cost estimating, and construction administration of HVAC, plumbing, and electrical systems for commercial offices, residential high- and low-rises, hospitals, prisons, parks facilities and a wide variety of transportation facilities.

Mr. Antonio's professional experience includes:

26th Ward WPCP, Brooklyn, NY, NYCDEP: Design DSDC and CM for various plant upgrades, including the hypochlorite chemical disinfection building, chemical distribution systems, natural gas metering and distribution system, temporary and permanent, fuel storage tanks, plumbing systems, plant-wide city water loop including cross-connection control, civil/site and yard piping plans, above ground and underground fuel storage tanks, plant wide heating system, process air system and digester gas collection/storage/ compression system. Additional services included designing operation procedures and control systems for the raw sewage pumping system, fuel tanks, process air, and the plant-wide heating system. Mr. Antonio identified the break and worked on the emergency repair design for the raw sewage header. As a result of all of these assignments, Mr. Antonio is extremely familiar with the 26th Ward process facilities and personnel.

Avenue V Pumping Station, Brooklyn, NY, NYCDEP: Project Manager for the upgrade of this 80-mgd facility. Mr. Antonio developed the plans and provided design and expansion services during construction for the upgrade and renovation of the pump station. Services included negotiating and securing the route of the 18,000 feet of force main pipeline through the borough of Brooklyn through five parks and a US Army Base. Provided design services for facility concept, detailed concept, cranes, plumbing, fire protection, and civil site layout. He also was heavily involved in DSDC and provided assistance to the CM.

Promenade Park, Brooklyn, NY, NYCDEP and NYCDPR: Project Manager, Resident Engineer for Construction Management for the rehabilitation of OH-1 a three barrel CSO outfall and OH-17 a 78" CSO outfall, ten storm outfalls ranging in size from 18" to 48" diameter. The project included the rehabilitation of one mile of the ribbon park, placement of riprap, and the seawall reconstruction. The project involved the total rehabilitation of the two NYCDEP sewer outfalls that were in disrepair. The responsibilities included assessing payment terms, approving payments, negotiating change orders, and ordering additional work. The services

Professional Licenses

New York

Certifications

Architectural Drafting - Adams Drafting and Technical Institute

NYCDEP Certificate of Fitness to operate a Chemical Laboratory

Years Experience

32+

Office Location

Woodbury, NY

Contact

pantonio@db-eng.com

also included, concrete inspection, pile inspection; rebar inspection, formwork inspection, placement of concrete, including tremie concrete, underwater construction, paving, and waterfront revitalization work. The project also required the replacement of twelve trees and the protection of twenty trees.

Bay Park WPCP, Nassau County, NY, Nassau County Department of Public Works: Project Manager, Construction Manager and Design Engineer for chemical storage facilities, chemical defoament, hypochlorite and sodium hydroxide pump and tank systems for odor control, process piping, digester compressor system, fire protection, civil/site layout, and storage warehouse layout, as part of ongoing upgrade/expansion program. Mr. Antonio designed the aeration tank odor control system design, civil/site plans, yard piping plans, underground fuel storage tanks, and chemical storage and feed systems.

Biological Nutrient Removal Demonstration Project, Mamaroneck, NY: In this project for Westchester County Department of Environmental Facilities, Mr. Antonio was Project Manager and Construction Manager for the construction and operation of the BNR full scale demonstration project. This project included methanol chemical injection system installation, and sodium hydroxide storage system upgrades. This project was winner of the NYACE Diamond Award for Engineering Excellence for 2001.

Croton Water Treatment Plant, Bronx, NY, NYCDEP: Design Engineer for plumbing, gas and fire protection systems.

Briarcliff Pumping Station, Sleepy Hollow, NY: Design Engineer for plumbing and fire protection systems.

University of Connecticut Water Reuse Facilities, CT: Design Engineer for plumbing, and fire protection systems.

Bretton Woods WPCP, Centereach, NY: Resident Engineer for the Construction Management for plant upgrade. This work included the addition of an equalization tank, the rehabilitation of two polishing filters, the installation of an additional blower and the upgrade to a pumping station. Mr. Antonio assessed payment terms, approved payments, negotiated change orders, and ordered additional work. The CM services also included, concrete inspection, rebar inspection, formwork inspection, placement of concrete, and paving.

Peekskill Water Pollution Control Plant, Peekskill, NY: Project Manager, Construction Manager and Design Engineer for hypochlorite storage tank upgrades, and thickener tanks odor control system utilizing carbon adsorbers.

Paerdegat CSO Facilities Project, Brooklyn, NY, NYCDEP: Design Engineer for project, which included upgrade of the Paerdegat Pumping Station, a 55-mgd facility. Mr. Antonio designed a pump-around, which enabled the Pumping Station in operation during construction. He provided design services for facility concept, detailed concept, crew quarters, work shop, plumbing, fire protection, dredging, and civil site layout.

Newtown Creek WPCP, Brooklyn, NY, NYCDEP: Design and DSDC Engineer for major plant upgrade, including digester gas holder, plant-wide fire protection systems, plumbing systems, plant-wide city water loop including cross-connection control, main building service water system, civil/site plan, and natural gas metering/distribution system, and percent for art plant decorative fountain.

Port Jervis WWTP and Pump Stations, Port Jervis, NY, NYCDEP: Design Engineer for total plant upgrading including all process improvements, plumbing systems, HVAC systems, city water loop including cross-connection control, civil/site plan, and natural gas metering and distribution system.

JOINT VENTURE

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JAMIL ANTONIO F. MIRANDA, P.E.

Professional Experience

Mr. Miranda has more than 12 years of experience as a Resident Engineer (RE). During most of this time, he has performed RE and Assistant Resident Engineer (ARE) services at the 26th Ward WWTP.

Mr. Miranda's specific experience is summarized below:

Construction Management Services in Connection with Miscellaneous Projects at Various Bureau of Wastewater Treatment Locations (NYCDEP)New York.

Mr. Miranda is serving as a Resident Engineering for Construction Management Services in connection with the capital program managed by the Bureau of Wastewater Treatment (BWT) consisting of job order contracts (JOCs) ongoing at multiple wastewater pollution control plants, pump stations, and other satellite facilities for CSO storage, in-stream aeration and support. His duties included:

- Supervised and appointed multiple disciplined inspectors, and environmental health and safety officers for providing inspection services at various BWT locations specific to plant civil improvements, pump and piping replacement, chemical system piping upgrades, actuator and sluice gate replacement, and electrical systems.

- Facilitated pre-construction, field, and progress meetings and coordinated on-going work with Plant Operations, contractors, and BWT Engineers to anticipate possible construction issues and minimize any impacts to plant processes.

- Identified and prepared lessons learned documents during construction activities which were geared towards assisting BWT in providing future guidance to mitigate project schedule, change orders, and streamline futuredesign projects.

26th Ward Wastewater Treatment Plant (NYCDEP) Brooklyn, New York (BEDC Projects)

As part of this BWT CM work, Mr. Miranda is performing ARE work at 26th Ward for the following:

- Bar Screen Replacement (26W-136) – The Bar Screen Replacement project calls for the reconstruction of six existing primary mechanical bar screens, two secondary mechanical bar screens and two belt conveyors at 26th Ward.

- Reconstruction of 32 Scum Troughs in 8 Preliminary Tanks (11-2600-DKCGE-012.00) – The 32 existing scum troughs and their supports, operators, and other appurtenances shall be removed,from the six preliminary tanks. Each scum trough is approximately 16 feet long. Each tank has four passes, one

Certifications

Certificate of Fitness and Safe Start

OSHA – 10 hour Training Course

Certificate in Hot Works DEP

NYC DOB 4 Hour Supported Scaffold User Certificate

Certificate in AUTOCAD Civil 3D

Certificate in Confined Space Entry

Years Experience

12+

Office Location

Woodbury, NY

trough per pass. The work includes the demolition and installation of new scum troughs, bearing assemblies and lever operators.

- Installation of Gas Detection System at 26 Ward WPCP (10-2600-SJEEE-006.00) – The work includes the installation of a gas detection system. The gas detection system consists of various types of detectors warning abnormal conditions throughout the plant and is connected to the control room work station through remote controllers via fiber-optic network.

As Assistant Resident Engineer for the BEDC Construction Management Services of $150 million plant improvements project, including a total Biological Nutrient Removal upgrade, Mr. Miranda was responsible for the following:

- ARE for all CM work under this assignment.
- Met deadline for consent order judgment date mandated by the Department of Environmental Conservation for the first operational Biological Nutrient Removal plant in New York City.
- Represented the resident engineer in client and contractor coordination and correspondence on outstanding project issues.
- Prepared project reports, including annual reports, monthly reports, and public information papers.
- Led coordination drawing meetings and assisted in the coordination of the work among general, electrical, and HVAC contractors.
- Screened contractor Requests for Information (RFIs) and ensured validity based on contract documents to eliminate potential delay claims.
- Prepared correspondence to the contractor, NYCDEP, and construction management staff on key issues of the project to ensure issues are memorialized and accurately depicted for future use.
- Reviewed contractor payments and facilitated field audits with NYCDEP auditors.
- Supervised civil, mechanical, HVAC, electrical, and instrumentation field inspectors.
- Served as the liaison between design engineers, NYCDEP and plant operations.

Wards Island Wastewater Treatment Plant (NYCDEP) New York, New York

Mr. Miranda provided on-site Resident Engineering forConstruction Management Services of a $230 million plant improvements project, including a total Biological Nutrient Removal upgrade. His duties included:

- Supervised construction management staff including assistant resident engineer, lead inspector, multiple disciplined inspectors, schedule engineer, cost and change order engineers, environmental health and safety managers, and administrative assistants at the 65% construction completion stage of the project ensuring pro-activeness and accountability for their work.

JOINT VENTURE

JOSEPH R. MARONE, JR.

Professional Experience

Mr. Marone has over 45 years of experience as an Electrical Inspector and Licensed Electrician. Throughout his career he has accrued 30 years of experience in Electrical and General Construction Supervision which includes, but is not limited to, accurate take-offs, estimating, budgeting, contracting, purchasing and invoicing. Mr. Marone has experience in full site construction management and land development as well. Customer satisfaction is a high priority for Mr. Marone. He effectively schedules, monitors and inspects all facets of electrical work to ensure quality.

Mr. Marone is able to work in conjunction with architects, engineers, developers, contractors, inspectors, city officials, decorators, agents and home owners effortlessly.

For over 20 years, Mr. Marone owned his own business where he was responsible for all phases of electrical work. He completed wiring for commercial, industrial and residential applications, as well as blue-print reading, schematics of electrical systems, trouble shooting of multi-zone heating and air conditioning systems, control and fire alarm installations.

Mr. Marone's professional experience includes the following:

New York City Department of Environmental Protection – Wards Island Water Pollution Control Plant – Bronx and Manhattan Grit Chambers

Mr. Marone was assigned as Lead Inspector for Heavy Construction. He performed daily inspection for civil, mechanical, HVAC and electrical, construction and contractors for structure and equipment renovation of Bronx and Manhattan Grit Chamber. Mr. Marone was responsible for monitoring all phases of construction in accordance with the contract documents, reviewing the contractor's shop drawings in compliance with the contract, and monitored various installations; tracking the contractor's daily work schedule and preparing daily Resident Reports; and was responsible for estimating installed quantities of materials and equipment for payment purpose. Mr. Marone reviewed and monitored the contractor's CPM schedule for progress.

On Call NYCDEP BWT Electrical Inspection

Mr. Marone is currently performing electrical inspection for the installation of conduits, wiring and control panels at the Red Hook Wastewater Treatment Plant (WWTP). He also is inspecting electrical substation construction at the Oakwood Beach WWTP. At the Richmond Avenue Pumping Station, Mr. Marone is inspecting main pumping station controls and instrumentation.

JOSEPH R. MARONE, JR.

Specialized Licenses/Certifications/Training

- New York City Master Electrician License
- 40 Hour OSHA
- Confined Space Entry Training
- Supported Scaffold User Certification
- Crane Safety Awareness Training
- Lock-out/Tag-out Training
- Hot Work PAI Electrical Safety Training
- Universal and Electronic Waste Training
- Hazardous Communication
- Lead Awareness
- Asbestos Awareness
- PCB Awareness/Mercury Awareness
- Blood Borne Pathogen Training

JOINT VENTURE

AHMED HUSAIN ZUBAIR

Professional Experience

Mr. Zubair has more than 15 years of experience in construction inspection. His experience covers both highway and bridge work, including bridge structural painting and paint removal; scheduling; cost estimation; processing change orders; sanitary sewer and water main installation; air monitoring; maintenance and protection of traffic; surveying monuments; excavation; sub-base concrete and asphalt pavement; erection of electric poles; sidewalk installation; etc. He is proficient in the following programs/systems: SureTrak, Primavera, AutoCAD 2002, MURK, ASTM standards, ACI codes, and AASHTO Specifications for Highway Bridges. Mr. Zubair's relevant experience includes:

DRJTBC, Upper Black Eddy-Milford Toll-Supported Bridge, Contract No. TS-444A, Milford, PA - Painting and structural inspector for the rehabilitation of the Upper Black Eddy - Milford Toll-Supported Bridge, a three (3) span Warren truss structure with a total length of approximately 700 feet between abutment backwalls. Work included: replacement of entire existing floor system, including 3 1/2" thick concrete filled inverted T-beam deck, steel stringers, steel floorbeams, associated deck joints, and lower chord lateral cross-bracings with new galvanized structural steel members; replacement of the entire length of existing steel plate sidewalk with a new sidewalk while maintaining the existing sidewalk cantilever brackets; installation of new sidewalk support stringers and tension ties; identify areas of steel sectional loss and check for damage and loose rivets and approve locations for rivet replacements; replacement of existing truss fixed and expansion bearings in all spans; cleaning and painting of all structural steel utilizing a Class 1 A Containment System and surface prep std of SSPC SP-10 level of abrasive blast cleaning of steel and application of a three coat zinc system; replacement of entire existing lighting system and CCTV with system; replacement of entire existing pedestrian railing with a new decorative pedestrian railing and replacement of abutment backwalls; repair of deteriorated areas of concrete and stone masonry at all abutments and piers; removal and replacement of existing near and far approach curbs and sidewalks in the immediate vicinity of the bridge; milling and overlaying of both approach roadways; cleaning of existing inlets and pipes; installing traffic stripes within the project limits, and installing new traffic control signs. All construction work performed under a full-time detour.

DRPA, Construction Monitoring Services for the Walt Whitman Bridge Steel Painting, NJ & PA - Construction Inspector/Bridge Painting Inspector responsible for the inspection of surface preparation for the coating of steel members that included removal of existing lead-based paint and application of new high-performance coating system to the Philadelphia deck-truss spans, the Philadelphia twin-girder simple spans, and the 2 lower-layer interior cells of the Philadelphia Tower and the Gloucester Tower. The project also included maintenance painting of the Philadelphia girder spans and the approach overpass bridge structures in New Jersey and Pennsylvania. Work included application of 3 coats of paint for the steel members, using Class 1A containment for abrasive blasting. Primer, intermediate, and final coat were applied and reports were prepared for placement in contract document files.

[redacted]

CERTIFICATE OF FITNESS TO OPERATE COMPRESSORS

Years Experience

15 Years

Office Location

Newark, NJ

Contact

info@kseng.com

AHMED HUSAIN ZUBAIR

NYSDOT Region 11, Nassau Expressway & Interim Nassau Expressway Pavement Rehabilitation & Resurfacing (Including painting of 7 bridges) - Chief Inspector responsible for providing civil engineering expertise to the whole construction project of rehabilitation of 7 bridges and ramps. Responsibilities included protecting client's interest through quality control and mitigation of schedule problems relating to completion deadlines. Monitor CPM schedule and progress of work as per schedule deadlines. Check RFIs, evaluate RFIs feasibility and coordinate with field inspectors and design consultant and contractor. Widening of highway ramps. Installation of new sub base and concrete pavements. Shoring and replacement of bridge decks. Replacement of bridge bearing. Operations involve shoring and hydraulic jacking of bridges. Installation of Calcium Patch to replace deteriorated concrete on approach slabs at abutment locations. Review shop drawings, perform site inspection, ensure all construction proceeds in accordance to contract specifications and approved shop drawings. Oversee MPT setup and sign installations. Check installation of vehicle arresting barrier net. Coordinate and liaise with different City and State agencies to mitigate upcoming problems and conflicts. CALL INFORM traffic communication about all lane closures and openings. Review and sign off Daily Work Records of Construction Inspectors daily reports. Performed office engineering duties also by obtaining work completion information from all inspectors daily reports and tallied the quantities completed with quantities approved for payment and matched the same with CEES quantities data entry.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Senior Construction Inspector/Engineer	2013 - Present
Entech Engineering	Chief Inspector	2006 – 2009
KS Engineers, P.C.	Chief Inspector	2005 – 2006
M.A. Angeliades	Quality Engineer	2004 – 2005
Massans Eng & Urbitran	Office Engineer/Chief Inspector	2000 – 2002
L.A. Wenger	Construction Inspector	1997 – 2000

JOINT VENTURE

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SCOTT PLANT, P.E.

Professional Experience

Mr. Plant has over 25 years of experience providing Resident Engineering services for many of the local Transportation Agencies in the New York and New Jersey marketplace including: NJ Turnpike, NYSDOT, NYCDOT, MTA-Metro North and MTA-Bridges and Tunnels.

Manhattan West Platform - Brookfield Properties, New York, NY – Project Manager for this project involves the construction of a segmental girder platform over LIRR track to the Hudson Yards and Amtrak's Northeast Corridor. The platform is constructed with 16 segmental girders composed of 33 precast segments which are post-tensioned and grouted together to form one girder. The each girder is placed adjacent to each other on cap beam bearings to create the working platform for high-rise building construction. As Project Manager, Mr. Plant's responsibilities include management and supervision of independent 3rd party post-tensioning and grouting inspection, and secondary inspection of bearing installation, anchorage elastomeric coating, temporary post-tensioning and material handling.

14th Street Viaduct Construction Management, Hudson County, Harrison, NJ – Resident Engineer for the existing 14th street viaduct is a 30 span, 1459 feet long bridge running east to west from Willow Avenue to Manhattan Avenue in the city of Hoboken, Hudson County, NJ. The viaduct crosses over several local streets such as Madison Street, Jefferson Street, Adams Street, Grand Street, Clinton Street and also NJ Transit rail tracks towards the west end under Span 28. The existing bridge superstructure comprises of multiple steel girders in most of the spans except two truss spans - one over Adams Street and the other over the NJ Transit tracks. The substructure units are steel bents supported on piles. The existing bridge structure has been showing signs of deterioration and has required a few emergency repairs. This contract is for providing construction management service for this project. As Resident Engineer, Mr. Plant's duties included being the Owner's direct on-site representative to the contractor, direct supervision of the Construction Project's Field Inspection / Engineering staff, performing quality assurance oversight of major items of work in progress and ensuring that the project is constructed in accordance with the plans and specifications for the owner.

Specific items overseen/inspected by Mr. Plant included:

- MPT on local roads.
- Construction of pedestrian precast concrete tunnel and retaining walls.
- Installation of lighting conduits and wiring.
- Rock excavation for new abutment construction.
- Substructure construction of reinforced concrete footings, pier columns and caps.

Rehabilitation of Dodd St and Clark St Bridges, Essex County, NJ – Resident Engineer for this project involved design engineering and construction inspection services for the

MTA NYC Transit Track Safety Qualification, November 2013

Amtrak Contractor Orientation Safety, November 2013

NJ ID NO. 1 for Employment Verification, November 2013

MTA LIRR Roadway Worker Protection Training, September 2013

Staten Island Railway Roadway Worker Training, November 2013

Traffic Control Coordinator, 2012

NJSAT Asphalt Paving Construction Technologist, 2009

Implementing Complete Streets, TYLI, July 2013

OSHA 10-hour Construction Safety and Health, Feb. 2011

Work Zone Safety Awareness Program, Rutgers, June 2008

Years Experience
25 Years

Office Location
Newark, NJ

Contact
info@kseng.com

Replacement of the Center Street Bridge over Third River in the Township of Nutley, and the Rehabilitation of of Dodd Street Bridge over Second River in East Orange and the Rehabilitation of Clark Street Bridge over Toney's Brook in Glen Ridge. As Resident Engineer, Mr. Plant's duties included being the Owner's direct on-site representative to the contractor, direct supervision of the Construction Project's Field Inspection / Engineering staff, performing quality assurance oversight of major items of work in progress and ensuring that the project is constructed in accordance with the plans and specifications for the owner. Specific items overseen/inspected by Mr. Plant included:

- MPT on local roads.
- Complete demolition of a temporary sidewalk bridge over Second River.
- Superstructure construction of elastomeric bearings, precast concrete deck beams and barrier parapets.
- Reconstruction of asphalt driveway aprons

New Jersey Turnpike Authority, New Jersey Turnpike Widening Program Contract 201, Bordentown, NJ – Resident Engineer for this project included the construction of one mile of three northbound and southbound outer travel lanes, seven MSE walls, three steel-framed bridges, narrowing two existing bridges, VMS and static sign structures, tunnel and under-bridge lighting. As Resident Engineer, Mr. Plant was responsible for a constructability review program wide, construction inspection and material testing supervision, field issue resolution, utility and agency coordination, change order/claim resolution, and payment processing.

PANYNJ, World Trade Center Vehicle Security Center, Manhattan, NY – Estimator for this project included all estimation of work involved with the proposed construction of the Vehicle Security Center. As Estimator, Mr. Plant's responsibilities included performing quantity take-offs and developing costs for all building trade work.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer	2014 - Present
TY LIN International	Senior Construction Manager	2013
CTE Engineers/DMJM Harris/AECOM	Construction Manager / Resident Engineer	1990 to 2007 and 2009 to 2013
Jacobs Engineering Corporation	Construction Manager / Resident Engineer	2007 - 2008
Williams & Associates / Adience Corporation	Civil Engineer / Project Engineer	1988 - 1990

JOINT VENTURE

EUGENE MARCIANO, P.E., PhD

Professional Experience

Mr. Marciano has over thirty-six years of experience in Project Management as well as the preparation of geotechnical and geotechnical earthquake design recommendations and reports for large to small projects, including buildings, dams, and bridges, nuclear stations, rock cuts, and cut and cover tunnels. He specializes in earthquake engineering and numerical methods applied to practical design. In addition he provides construction observation and inspection services as well as reviewing and responding to Contractor's submittals and RFIs..

Rimkus Consulting Group, Inc., Property Inspections for Hurricane Irene, Sandy, and other storms, New York – Geotechnical Inspector for the inspections and reports for structural, geotechnical, and architectural damages in metropolitan New York City area.

The Waterfront Community Center, Pile Foundation, NJ, Newark Housing Authority – Lead Inspector for 500 timber piles, review Contractor submittals including perform WEAP analyses as part of review, oversight of PDA testing, review CAPWAP results, establish blow count required as part of specified driving criteria, resolve difficult driving conditions due to shallow construction debris.

Fort Calhoun Nuclear Station, Omaha, NE, Seismic Review Class I Structures – Geotechnical Consultant in charge of review of consultants' reports and calculations by Stevenson & Associates and GEI Consultants, prepared Narrative Report for Closure Document, and served as subject matter expert (SME) for Technical Review Board (TRB) presentations, addressing seismic reevaluation of the Class I Containment Structure and Auxiliary Building and the Class II Turbine Building for the potential impact of soils loosened by piping during record 2011 flooding.

NYCDOT, Willis Avenue Swing Bridge Replacement Project, Manhattan & Bronx, NY – As Geotechnical Project Manager, lead design by five geotechnical and structural engineers of foundations, bulkheads, and excavation support, over random fill and deep soft deposits, including the following items. Design the new drilled shaft, drilled pile, and HP pile groups; for the center and rest piers, thirty approach piers, abutments, and wing walls. Perform GROUP and FBPier analyses of pile groups and drilled shaft groups for wind and seismic design loads. Design a new replacement of the Manhattan relieving platform bulkhead for the required scour and seismic load. Design a new anchored sheet pile bulkhead to replace the deteriorated Bronx timber cribbing. Design excavation support and prepare the demolition-and - construction sequences to replace the main span and approach foundations while maintaining the maintenance and protection of traffic (MPT) sequences and protecting the existing buried utilities. Prepare innovative detailing to fit excavation support for a pier in the narrow Harlem River Drive Median. Prepare innovative soldier-pile-and-lagging installation for the First Avenue approach that uses tie-rods to avoid using tiebacks beneath the nearby buildings and streets, and use a perimeter of low sheeting outside the soldier-pile-and-lagging walls to dewater and

Years Experience

Office Location
Newark, NJ

Contact

remove timber platforms and timber piles. Prepare the demolition-and-construction sequence to replace the Manhattan relieving platform bulkhead. Analyze and detail the construction of new footings overlapping the existing platform. Design a temporary anchored HZ pile wall to protect the adjacent Harlem River Drive. Prepare the sequence for the low overhead room beneath the existing bridge span and to maintain the MPT sequences. Design new bulkheads at adjacent properties, needed because of deteriorated bulkheads and design scour depths. Prepare construction sequences for cofferdams to construct the replacement bulkheads and the new bulkheads. Performed stability evaluation for deep seated stability and seismic permanent displacement of Manhattan bulkhead through the underlying organic and varved deposits.

NYSDOT, Roslyn Viaduct Bridge Replacement, NY – Project Manager for design excavation support for piers, retaining walls, abutments. Review Contractor submittals, RFIs. Modify excavation support designs for Contractor's alternative means and methods. Consult to NYSDOT for Contractor's proposed fix for drilled pile group rejected by NYSDOT resident, including perform calculations for asymmetrical arrangement of approved piles.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Senior Geotechnical Engineer	2014 - Present
Consultant	Geotechnical, Earthquake & Forensic Engineering	2011 - 2014
Matrix New World Engineering, Inc.	Director of Geotechnical Engineering	2010 - 2011
Arcadis-US, Inc.	Principal Engineer	2008 - 2009
Paulus, Sokolowski and Sartor	Project Manager	2007 - 2008
Hardesty & Hanover, LLP	Geotechnical Project Manager	2004 - 2006
MRCE	Project Manager, Project Engineer & Sr. Geotechnical Engineer	2001 - 2003
Malcolm Pirnie, Inc.	Project Manager, Project Engineer & Sr. Geotechnical Engineer	1998 - 2001
Tectonic Engineering, P.C.	Geotechnical Project Manager & Project Engineering	1994 - 1997
GEI Consultants, Inc.	Geotechnical Project Manager	1991 - 1993
Northeastern University Civil Engineering Department	Assistant Professor	1984 -1990
Purdue University, West Lafayette, IN.	Research Assistant	1981 - 1984
Ehasz Engineering, Frederick R. Harris, Inc.	Structural Engineer	1977 - 1980

JOINT VENTURE

VITALIY BYKOV

Professional Experience

Mr. Bykov has 20 years of demonstrated experience in electrical high-voltage and low-voltage systems. He is excellent in identifying and meeting customer needs and building trusting relationships with repeat customers. He has excellent listening and communication skills with an ability to work under pressure and meet deadlines. He has vast knowledge with the installation and inspection of security systems, knowledge of devices, traffic control systems and ITS and TMS Systems.

MTA New York City Transit (NYCT), E-34020, Replace 3 Escalators - A-36116 Renovate Station "Court Square", New York, NY - Engineer-Inspector. Provided inspection on a field. Checked the correct use of safety equipment and devices. Made various tests: soil test, slump test, air test etc. Checked and calculated quantities of operations made by the contractor. Made daily work reports of operations, adding necessary sketches and diagrams. Reported to resident engineer about any violations and wrongly proceeding operations. Checked compliance of work performed by contractor with contract drawings and specifications.

New York State Department of Transportation (NYSDOT), Region 11, Installation New Fiber Optic Communication Line, CCTV and Intelligent Traffic System, Preventive Maintenance and Installation of New Equipment at "Old Country Road" Long Island, NY - Engineer-Inspector. Provided inspection on a field. Checked the correct use of safety equipment and devices. Provided control and local adjustment to CCTVs: Pelco, American Dynamic, Cohu, etc. Provided control and local adjustment to VMS Controllers MARK4 and Dectronic, to Radar Systems. Made various tests: soil test, slump test, air test etc. Checked and calculated quantities of operations made by the contractor. Provided payments to contractor for the operations completed. Made daily work reports of operations, adding necessary sketches and diagrams. Reported to the resident inspector about any violations and wrongly proceeding operations.

Engineer-Inspector (for TRC, Pomona, NY) - Provided inspection on a field. Controlled and adjusted Traffic Light Control Systems. Made various tests: soil test, slump test, air test etc. Checked and calculated quantities of operations made by the contractor. Provided payments to the contractor for the operations completed. Made daily work reports of operations, adding necessary sketches and diagrams. Reported to the resident inspector about any violations and wrongly proceeding operations. Checked the correct use of safety equipment and devices.

Security Consultant (for FGI Security Inc., Brooklyn, NY) - Provided initial estimates to clients. Chose necessary equipment, ranging from CCTV, DVRs, to observation and monitoring devices and control systems installed on proprietary panels or running on notebooks or desktops. Installed video cameras and devices. Installed fire alarms/burglar alarms with manufacturer's control panels and sensors. Installed intercom systems and door access control systems that integrated with existing door locks. This included Time-in/Time-out for employee personnel for time and attendance. Installed smart home equipment which could run wirelessly or off a

network. Ensured that all the wiring was correctly installed and operational. Programmed and troubleshot all equipment. For systems running on computer hardware, programming included devices, networks, and remote administration. Trained users in all operations and emergency measures. Supported installed systems, responded to client inquiries and integrated new devices to existing systems when necessary.

Power Line Electric Corp., Albany, NY - Installation of traffic signal systems at various intersections in Westchester, Putnam, and Orange Counties, NY. Installation of overhead and underground systems.

Electrician (Olympic, Brooklyn, NY) - Electrical wiring and installation, including fixtures, receptacles, switches, and distribution panels. Wiring for CCTV, fire and burglar alarms, and intercoms with door access control.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Electrical Engineer / Construction Inspector	2014 - Present
Hepco, Inc.	Engineer-Inspector	2013 - 2014
M&J Engineering, PC	Engineer-Inspector	2010 - 2012
TRC	Engineer-Inspector	2009 - 2010
FGI Security Inc.	Security Consultant	2001 - 2009
Power Line Electric Corp.	Electrician	1997 - 2001
Olympic	Electrician	1994 - 1997

JOINT VENTURE

KSE

HARSHAD (HARRY) SHAH, P.E.

Professional Experience

Mr. Shah has over 35 years of in-depth experience in all aspects of bridge inspections. His experience includes structural engineering design assignments on a broad spectrum of projects. His bridge inspection experience includes over 500 bridges of varying degrees of complexity and has also included scour and seismic potential. His inspection experience includes structural review of all previous inspections, inspection of Fracture Critical Members, FHWA SI&A Form updates and structural analysis to determine load ratings. Mr. Shah has over 204 months of bridge related experience. Some of his relevant project experience includes:

PANYNJ - Bayonne Bridge Structural Steel Rehabilitation and Removal of Lead Based Paint and Repainting of the New York and New Jersey Viaducts- Team Leader for the condition inspection for repairs of the approach spans, main spans, trusses, suspender cables and cable sockets, railings, and catwalks on the Bayonne Bridge. Included in the inspections were steel and concrete substructure and superstructure structural members accessed by walking, climbing, ladder, bucket truck, and snooper.

PANYNJ, Facility Condition Survey Services As Requested on a "Call-In" Basis During 2006, 2007 and 2008 – Assignment # 4 Biennial Inspection for LaGuardia Airport Bridges – Team Leader responsible for the condition inspection and report preparation of 16 bridges at LaGuardia Airport in Queens, NY. The bridges include 2 airport entrance roadways over the Grand Central Parkway, departure ramps adjacent to and partially within terminal buildings, 2 enclosed pedestrian walkway bridges connecting the parking garage buildings (Lot 2) to Central Terminal building, and several connector ramp bridges over airport access roads within airport limits. Inspection also includes inspection of overhead sign structures mounted to the bridge structure as well as bridge fascia mounted sign structures.

PANYNJ, Facility Condition Survey Services As Requested on a "Call-In" Basis (MBE/WBE) During 2006, 2007 and 2008 – Assignment # 3 – Condition Survey for 16 Buildings at Elizabeth Port Marine Terminal – Team Leader responsible for condition surveying services on a "Call-In" basis was responsible for the condition survey and report preparation of Buildings 1130, 4030, 4060, 4070, 5000, 5020, 5030, 5060, 5070, 5080, 5090, 5110, 5120, 5130, 5140, and 5160 at Elizabeth Port Marine Terminal. Purpose of the inspection was to determine the condition of the buildings' structure and to identify any structural or non-structural deficiencies that might present potential safety hazards and to develop recommendations for correcting any deficiencies found to prevent further deterioration requiring major repair work. All building structural elements received a 100% visual inspection with 10% hands-on, up-close inspection including connections.

PANYNJ, Facility Condition Survey Services As Requested on a "Call-In" Basis During 2006, 2007 and 2008 – Assignment # 2 – Condition Survey of High Mast Light Towers at Port Newark and Port Elizabeth Marine Terminal – Project Engineer,

Certifications

NJ & NY PE, Professional Engineer
Certified Scuba Diver
FHWA NJIT Course (#13012)
Fracture Critical Inspection Techniques for Steel Bridges, 2013
FHWA Introduction to Fracture Level Bridge Inspection, 2013
NJIT (Course No. 130155), Safety Inspection of In-Service Bridges, 2012
NHI Bridge Inspection Refresher Course, July 2006 (Course # 130053)
NYSDOT, Methods of Bridge Inspection, March 2013
NYSDOT, Bridge Inspection Training, 1994
NHDOT, National Highway Institute – Safety Inspection Training, 1994
Asbestos Inspector Training Course – 2003
NYSDOT – Bridge Inspectors NDE Showcase, March 13, 2003
Cold Weather Safety [redacted] 02/03/2013

Years Experience

35 Years

Office Location

Newark, NJ

Contact

info@kseng.com

assisting in the preparation and quality assurance of reports for high mast towers located at Howland Hook Terminal and Elizabeth Marine Terminal.

MTA Bridges & Tunnels, 2012 Biennial Inspection of Robert F. Kennedy Bridge – Group B (PSC 11-2899B) – Team Leader for the in-depth inspection of Robert F. Kennedy Bridge, approach spans and pedestrian ramp bridges. The elements inspected included top of deck, wearing surface, deck joints deck structural, riveted plate girders, welded plate girders, floorbeams, stringers, reinforced concrete t-beams, concrete pier caps and columns, steel pier caps and columns, bracing systems, light poles, underdeck lighting, drainage system and signage.

NYSDOT, 2011 – 2012 Underwater Bridge Inspection – East Regions 1, 2, 7, 8 and 9, Various Locations, NY – On-Site P.E. Team Leader for the inspection of substructure units (SSU) and report preparation for bridges located throughout the East Regions of New York State. The SSUs received a visual and tactile inspection by diving inspection teams.

MTA Bridges & Tunnels, 2011 Biennial Inspection of Marine Parkway and Cross Bay Bridges (PSC 10-2881C) – Team Leader responsible for in-depth inspection of the Marine Parkway Bridge and Cross Bay Bridge ramp structures. Scope of work consisted of the review of existing documentations, inspection of all structural components, i.e., decks, structural framing, lift span, towers, and thru trusses, sign and sign-supporting structures, and light poles, and providing an inspection report.

NYSDOT 2011-2012 Large Culvert Inspection Project in Region 1, 2 & 7 (D030601) – QC Engineer for the inspection of 181 culverts in various counties throughout NYSDOT Region 1, 2 & 7. Work consisted of the collection of inventory data as well as an in-depth hands-on inspection of culvert headwalls, wingwalls, structural members, roadway items, channel items, superstructures, substructures, highway safety features, and substructure scour.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Senior Engineer – Structural Engineering	2007 - Present
LS Engineering Associates Corporation	Business Associate/Team Leader	2007
Naik-Prasad, Inc.	Team Leader	2001 – 2006
AI Associates, Inc.	Project Manager/Team Leader	1997 – 2001
Shah Associates, P.C.	QC Engineer/Team Leader	1988 – 1997
Bechtel Power Corporation	Civil/Structural Engineer	1982 – 1988
Fluor Engineers Constructors, & Apex Engineering	Structural Design Engineer	1978 – 1982
Beavin Company	Structural Design Engineer	1973 – 1978

JOINT VENTURE

LISA CANTON

Professional Experience

Ms. Canton has extensive leadership experience in construction project administration, document controls, document publishing, contract administration, construction specifications, administrative assistance, and strong PC skills.

NYCTA, CM-1256 Construction Management Services for the Fulton Street Transit Center, New York, NY - Document Control Specialist responsible for providing construction management services for this $880 mega million project. The Metropolitan Transportation Authority and MTA Capital Construction are building a new Fulton Street Transit Center in the general vicinity of Fulton Street and Broadway, incorporating six existing Lower Manhattan subway stations which includes: Fulton Street for nos. 2, 3, 4, 5, J, M and Z trains; Broadway-Nassau Street for A and C trains; Chambers Street / World Trade Center for E train; and Cortlandt Street for R and W trains. The FSTC project's goal is improve access to and connections between 12 subway lines for hundreds of thousands of daily commuters and Lower Manhattan residents and visitors, and will link NYC Transit facilities with PATH service and the World Trade Center site. Construction of the Fulton Street Transit Center is underway and parts of the new station have already been opened for commuter use.

CH2M HILL, Inc., Gainesville, FL - Document Controls Assistant responsible for submittals during Construction (SDC) Coordinator. Served as the Southeast Regional (SER) Lead Point-of-Contact for construction services coordination; by providing leadership to peers in administrative communication by training external SER staff on corporate database procedures; and providing the technical skills necessary to coordinate, research, and track construction Submittals, compiling engineer comments on submittals; processing submittals after engineer dispositions; working on fast paced deadlines for Requests for information (RFI's), Clarification/Interpretation Requests, Field Orders, and Operation & Maintenance Manuals for reviewing design engineers, client, field representatives & Project Managers; providing technical assistance and training of SDC coordinators in tracking construction procedures using Expedition (Primavera- Contract Manager); maintaining Project Records during the phase, and archiving at closeout; assisting Operations Leader (OL) with meeting staff utilization goals, communication on project chartering meetings/provide copy of project instructions to OL. Maintained project schedule and submittal reports for all in-house projects, including duration and provide primary project point-of-contact with direct informative technical feedback meetings on a biweekly basis.

Document Publishing Specialist, Lead Construction Specifications Coordinator - Responsible for setting up CSI master specifications for projects in Panagon database, tracking specification sections, attending project meetings, processing and proofing specifications and references, communicating with Project Assistants and Engineering team on the project, scheduling, forwarding, and assembling the contract documents for reproduction, distributing the contract documents for

internal, Client, Plan Rooms, and Contractor distribution. Bidwork procedures include selling contract documents to bidding contractors, subcontractors, and equipment suppliers; creating, compiling and distributing addenda on project to distribution list; and sending out weekly bidder's list to companies interested in networking with bidders in the event they win bid. Conforming documents which include revising all changes per addenda to specifications; and preparing signed Contract Documents for client and awarded contractor to use in the field during construction. Assisting engineers and other processors to meet their deadlines so that workload and deadlines are compatible.

Administrative Assistant - Served as the only administrative assistant for the Environmental Department of 23 engineers. Had independently prepared reports for the Senior Environmental Department Manager and coordinated presentations and production (graphics, editing and reproduction), routinely solved problems and questions for engineers; performed workload leveling for administrative work group; drafted and tracked project and subcontractor invoices; setup and maintained financial and procurement databases and tracking systems; developed new or recommended revised procedures; coordinated conferences, weekly & monthly staff and client professional meetings and organized community events. Collected and compiled data in response to special requests; screened calls, arranged meetings and engineer travel; and maintained the schedule for senior management and other personnel.

Document Publishing Specialist, Construction Specifications Processor - Setting up CSI master specifications for a project in Word Perfect & SAROS software, tracking specification sections, attending project meetings, processing and proofing specifications and references, communicating with Project Assistants and Engineering team on the project, scheduling, forwarding, and assembling the Contract Documents for reproduction, distributing the Contract Documents for internal, Client, Plan Rooms, and Contractor distribution. Bidwork procedures include selling Contract Documents to bidding contractors, subcontractors, and equipment suppliers; creating, compiling and distributing addenda on project to distribution list; and sending out weekly bidder's list to companies interested in networking with bidders in the event they win bid. Conforming documents which include revising all changes per addenda to specifications; and preparing signed Contract Documents for client and awarded contractor to use in the field during construction. Assisted engineers and other processors to meet their deadlines so that workload and deadlines are compatible.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Document Control Specialist	2009 - Present
CH2M HILL, Inc	Document Controls Assistant	1990 - 2008
Shands-Alachua General Hospital	Part-Time File Clerk	1990

JOINT VENTURE

ATTEF (Al) Z. FARAG, P.E.

Professional Experience

Mr. Farag has 24 years of experience including work with bridge inspection, milling, roadway paving with concrete and asphalt, roadway reconstruction, curb and sidewalk construction, drainage, sewer and water main installation. Mr. Farag's responsibilities include resident engineering inspection and project management, construction supervision, preparation of reports, project evaluations, clarified DDC policies and procedures, negotiated change orders, clarified technical construction details, processing payments, punchlist and project close-out. He has performed QA/QC functions on various projects, prepared proposals for additional work and worked with inspectors to both upgrade and maintain their skills. Some of his relevant project experience includes:

NYCDDC, SEX20045, Resident Engineering Inspection Services for Storm Sewer in Waterbury Avenue, Borough of the Bronx - Resident Engineer responsible for providing resident engineering services for the construction of storm sewers in Waterbury Avenue and its vicinity in the Bronx. Work includes new storm, sanitary and combined sewers to be installed in several street locations. The project site is bounded by Waterbury Avenue to the north, Stadium Avenue to the east, Layton Avenue to the south and Throgmorton Avenue to the west. Various diameters of 10" ESVP to 36" RCP sewers will be installed. Sewers will be constructed on concrete cradles or encased in concrete. Some sewers will be relined using a DEP approved method of lining existing sewers. The project also includes reconnecting existing house sewer lines to the newly installed sewers. New water mains are also to be installed as part of this project. The new mains will be 8" or 12" diameter restrained joint ductile iron pipe. Water main work will include new fire hydrants, main line valves, valve boxes and any other appurtenances associated with the existing water mains. Trench and/or street restoration will be included in the project. Some streets, depending upon existing conditions, may have to be reconstructed. New curbs and sidewalks that are disturbed during construction, will be replaced as needed.

NYCDDC, HWMWTCA7A, Resident Engineering Inspection Services for the Reconstruction of Harrison Street, Borough of Manhattan, NY - Resident Engineer responsible for this $18 million project that of involves the construction of water mains; construction of sewers, catch basins and chute connections; utility construction and relocation. Work include construction of new curbs and sidewalks; roadway reconstruction, installation of street lighting and traffic signals; and landscaping.

NYCDDC, MED-595, Installation of Trunk Water Mains in Astor Place and Cooper Square, Manhattan, New York - Resident Engineer responsible for this $11.6 million project that includes the installation of 12" & 20" water distribution mains, new butterfly valves, valve and connection chambers, blowoff valves and chambers, flowmeters with chambers, access manholes with chambers, and modifications within shaft 19. In addition, new 30", 36" and 48" steel trunk water mains to interconnect Shaft 31B from City Tunnel #2 at East 4th Street, to Shaft 19 from City

Years Experience

24 Years

Office Location

Newark, NJ

Contact

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Tunnel #1 at Cooper Square. New 24" DIP will also connect new 24" regulator valves to the new trunk water mains.

NYCDDC, REI Services for HW2CR08, REI Services for Citywide Involving Grinding Existing Asphaltic Concrete Wearing Course, Manhattan and The Bronx, NY - Resident Engineer responsible for this $7.5 million project, responsible for resident engineering inspection services of grinding existing asphaltic concrete wearing courses on a task order basis in Manhattan and the Borough of New York City. Inspection services for the project includes: site maintenance and safety; Post "No Parking" signs 48 hours in advance; protection of trees from construction debris; marked out all hardware to avoid any damage during milling operations; saw cutting around the hardware and at intersections; placing plates over catch basins to void any debris from falling into basins; milling 2" of existing asphalt; sweeper used behind milling machine to clean up the debris; ramping of all hardware with temporary asphalt; and adjusted all hardware.

NYCDDC, Reconstruction of 10th Avenue from 206th Street to 218th Street, Manhattan, NY - Resident Engineer for this project that won the 2009 ACEC New York GOLD Award for Engineering Excellence. Project entails new sewer construction and rehabilitation of existing sewers using lining method, construction of 36" steel water mains in addition to 20" & 12" water main network. It also includes curb and sidewalk construction, sidewalk assessment, streetlight and traffic work, roadway paving, arboriculture and traffic protection. The work also involves new 45"x29" elliptical RCP sewer lines, catch basins, chute connection, manholes, paving with concrete base and asphalt wearing course and landscaping. All construction activities are done with coordination with TA since train elevated tracks are running along the project location.

NYSDOT, D010292, Construction Inspection Services for Reconstruction & Restoration of Brooklyn-Queens Expressway, Queens, NY - Deputy Project Manager responsible for providing construction inspection and technical support services for 8 lane-miles of roadway excavation and reconstruction with horizontal and vertical realignments and drainage installation. This project also included replacement or rehabilitation of 17 vehicular bridges, replacement or rehabilitation of 2 railroad bridges, extensive retaining wall reconstruction and soil stabilization along the right-of-way, extensive utility improvements/relocations for both NYC and privately-owned facilities, TSM/ITS installations, and extensive MPT was involved to ensure that traffic was maintained.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer	2002 - Present
The RBA Group	Resident Engineer/Office Engineer/Inspector	1990 – 2002

JOINT VENTURE

FRANK A. FREGA, P.E.

Professional Experience

Mr. Frega has 41 years of experience in the planning, design, and rehabilitation of transportation infrastructure (highways, bridges, transit, and airports). His expertise includes project management, investigations and traffic studies, highway/civil design, preparation of contract documents, constructability reviews, traffic control during construction, QA/QC reviews, and construction services. The clients he has served include the New Jersey Department of Transportation, New Jersey Turnpike Authority-Parkway Division, South Jersey Transportation Authority, Port Authority of NY & NJ, and numerous private sector clients. Mr. Frega implements the requirements of the NJDOT Procedures Manual. His representative project experience includes:

PANYNJ, Architectural and Engineering Services for the Replacement and Upgrade of the PATH Harrison Station, Harrison, NJ – Project Manager for the Civil Design of site improvements associated with the major development of the Harrison Station on the Port Authority Trans-Hudson rapid transit line. In response to the ongoing transformation of Harrison's former industrial district along the Passaic River with high-profile mixed-use residential, commercial, and recreational development projects such as Red Bulls Soccer Stadium, the Port Authority of NY & NJ is investing in the redevelopment of the existing transit station to increase its capacity, and establish the station as a central hub for the surrounding community. The station's redevelopment plan involves the creation of four distinct but unified plaza areas with signature head house buildings to define the geographic reaches of the station. For each plaza area, KSE is responsible for the Civil Design of the site utilities, grading and drainage including LEED/Sustainability, and access and egress for vehicles and pedestrians. In addition, KSE designed off-site improvements, including a major storm drainage line, to the adjacent Hudson County arterial serving the station area, Frank E. Rogers Boulevard, as well as maintenance and protection of traffic plans for vehicles and pedestrians during construction of the roadway improvements.

PANYNJ, Professional Civil Engineering Services on a "Call-In" Basis for 2011, 2012 and 2013 – Task 1: High Pressure Fire Protection System (FPS) - Valve Replacement of Valves H15 and H16, John F. Kennedy International Airport (JFK), Queens County, NY – Project Manager for Stage III and IV services for the design of the replacement of the JFK High Pressure Fire Protection System (FPS) valves H15 and H16 with resilient seated valves together with each valves adjacent pipe sections. This will eliminate leaking at the valves and their couplings to the FPS resulting from inadequate initial installation procedures.

PANYNJ, Professional Civil Engineering Services on a "Call-In" Basis for 2011, 2012 and 2013 – Task 2: Modification of Contract Documents for the Rehabilitation of Cargo Road and the Parking Area in the vicinity of the Reese Aviation FedEx Maintenance Facility at Stewart International Airport (SWF) – Project Manager for Stage III and IV design services for the modification of previously completed contract documents for the milling and resurfacing of Cargo Road and the design of a parking

Years Experience
41 Years

Office Location
Newark, NJ

Contact
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lot expansion in the vicinity of the FedEx Maintenance Hangar. The original construction contract was placed on-hold at the conclusion of design and in the interim, the Authority completed an in-house design for runway incursion mitigation immediately adjacent to the Cargo Road project. The intent of the modification design is to eliminate any potential conflicts between the roadway and runway projects.

PANYNJ, Professional Civil Engineering Services on a "Call-In" Basis for 2011, 2012 and 2013 – Task 4: Pavement Rehabilitation – North Boundary, Easton, and North Hangar Roads at JFK – Project Manager for Stage III and IV services for the civil design of milling and resurfacing of each roadway, and the replacement of asphalt surface courses at each of the intersections of the project roadways with Portland cement "white topping" surface courses. The intent is to eliminate pavement distresses along each project roadway, especially at key intersections which have experienced severe rutting from the turning movements of large vehicles.

PANYNJ, Professional Civil Engineering Services on a "Call-In" Basis for 2011, 2012 and 2013 – Task 6: Switch House 2 Climate Control and Related Work – Project Repackaging at JFK – Stages III and IV services for civil design to break-out the construction of MEP upgrade for switch House 2. Previously completed design work for Switch House 2 was reviewed and updated for the standalone project.

PANYNJ, LaGuardia Airport East 102nd Street Bridge, Flushing, Queens County, NY - Project Manager for the analysis and design of signing and striping safety improvements to the loop ramp at the northern end of the bridge. The project also involved the design of a protected pedestrian walkway and sidewalk improvements along the bridge from the terminal area to Ditmars Boulevard.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Vice President & Civil Department Manager	2012 - Present
Dewberry Engineers, Inc.	Deputy Project Manager	2010 – 2012
CMX (formerly Schoor DePalma, Inc.)	Highway Department Manager	2000 – 2010
TAMS Consultants	Principal Engineer	1991 – 1999
Schoor DePalma	Project Manager	1989 – 1991
Clarke & Rapuano, Inc.	Highway Department Manager	1981 – 1989
Richard Brown Associates	Traffic Engineer	1978 – 1981
NYC Department of City Planning	Engineer	1974 – 1978
Tri-State Regional Planning Commission	Engineer	1972 – 1974

JOINT VENTURE

GEORGE KAY, P.E.

Professional Experience

Mr. Kay has more than 30 years of experience in the engineering and design of Mechanical/HVAC systems for pharmaceutical, laboratories, clean room manufacturing, and related manufacturing facilities. His project types range from new multi-story facilities designed and constructed within large campus environments to expansive retrofit and renovation of existing operating plants to create change of use and function of facilities. He has served as Principal HVAC Engineer for pharmaceutical, major airport expansion and specialty chemical projects. In addition he has extensive experience with design of high containment pharmaceutical facilities, laboratories, research and development facilities, clean rooms, sterile rooms, solid and liquid charging rooms, and low humidity areas. He also has experience with design of HVAC systems for food processing plants including sterile processing, packaging rooms, and cold rooms. Particular expertise with implementation of barrier technology, building area pressurization, HEPA filtration, laminar flow booths, fume hoods, scrubbers, dust collectors, and air handling systems for tablet coating equipment.

Senior Mechanical / HVAC Engineer (CSA Group - Temporary Position) - Responsible for engineering, inspections, review, design, and construction coordination of HVAC systems for diverse client facilities. This includes studies, preliminary and detail design of existing and new facilities.

- CBS Studio Complex, New York Study and upgrade of existing building steam distribution system. The project includes inspection and survey of the entire facility, generating of systems schematic diagrams, specifications, verification of current building requirements.
- Newark Housing Authority,' Newark - Replacement and upgrade of existing building cooling tower and condenser water system. The project includes inspection, review and verification of existing; necessary engineering calculations, project drawings / specifications, and interface with clients in-house personnel.
- Dell - Roosevelt, Quincy, WA - Design and engineering of Critical Facilities Project. Includes computer room chilled water systems, emergency generator building with associated diesel fuel oil piping systems and support offices.
- Dell - Quickstart, Miscellaneous locations (Toronto, Frankfurt, etc.) Design and engineering of Data Center Facilities. Chilled water distribution for computer room type of under floor systems, packaged boiler and pumping room, plus support areas.
- Hagerty Insurance, Traverse City, MI - New data center facility, chilled water piping data center distribution, HVAC systems for office areas and conference rooms for the facility.
- Bristol Myers Squib, Hopewell, NJ - Design and engineering of Medarex Integration Project. Included are laboratories, computer rooms, and support offices.

Years Experience
30 Years

Office Location
Newark, NJ

Contact
info@kseng.com

- University of Pennsylvania, Philadelphia, PA - Review, evaluation and upgrade of Johnson Pavilion research laboratories, support areas, and adjacent corridors.
- Brooks Instrument, Inc., Hatfield, PA - Review, renovations and upgrade of existing HVAC systems for office areas and conference rooms in the manufacturing facility.
- Weston Solutions, Inc., West Chester, PA - Inspection and review for renovations and upgrade of HVAC systems for U.S. Government classified underground critical facilities.
- Senior Mechanical Engineer (Bruns-Pak Engineering - Temporary Position) - Responsible for engineering design, supervision, and construction coordination of HVAC systems for Data Center facilities. This includes studies, preliminary and detail design of new facilities.
- Dell – Roosevelt, Quincy, WA - Design and engineering of Critical Facilities Project. Includes computer room chilled water systems, emergency generator building with associated diesel fuel oil piping systems, and support offices.
- Dell – Quickstart, Miscellaneous locations (Toronto, Frankfurt, etc.) - Design and engineering of Data Center Facilities. Chilled water distribution for computer room type of under floor systems, packaged boiler and pumping room, plus support areas.
- Hagerty Insurance, Traverse City, MI - New data center facility, chilled water piping data center distribution, HVAC systems for office areas and conference rooms for the facility.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Mechanical Construction Engineer/Inspector	2014 - Present
Van Zelm Engineers	Senior Mechanical / HVAC Consultant	2012 - 2014
CSA Group	Senior Mechanical / HVAC Engineer	2011 - 2012
Bruns-Pak Engineering	Senior Mechanical Engineer	2010 - 2011
Javan Engineering	Principal Engineer	2010
Parsons Commercial Corporation	Principal Engineer	2005 - 2009
Schoor DePalma Engineers	Senior Technical Manager	2002 - 2005
Foster Wheeler USA Corporation	Principal HVAC Engineer	2001 - 2002
Parsons Infrastructure & Technology	Senior Project Engineer	2000
CUH2A, Inc.	Senior Project Engineer	1995 - 2000
Lockwood Greene Engineers	Senior HVAC Engineer	1995
RPMS Consulting Engineers	Senior Project Engineer	1991 - 1995
EPM Engineering Group, Inc.	Senior Mechanical Engineer	1987 – 1991
Air CON, Inc.	HVAC Engineer	1980 - 1987

JOINT VENTURE

REYNALDO M. LIBUNAO, JR.

Professional Experience

Mr. Libunao has 18 years of international and domestic experience with project management, power, telecommunications and lighting distribution design for residential, commercial, educational, recreational, infrastructure and marine facilities. He is a proven team player with the ability to coordinate with people. In addition he has excellent organization skills and is able to use different tools to streamline the design process and generate accurate calculations.

New York City Department of Environmental Protection (NYCDEP), WP-283 Newtown Creek WPCP Plant Upgrade, Greenpoint, Brooklyn, NY - Senior Electrical Inspector. Oversees the new construction of the Central Residuals Building (NC-41) and the Upgrade of the existing South Battery (NC-47). These projects are Wick's Law contracts, covering four prime contractors (G – Structural, E – Electrical, P - Plumbing and H – HVAC). Contract NC-41 is the construction of the Central Residuals Building, consists of a Secondary Screening, a Grit Disposal, Skimming Systems which segregates and channels this primary treatment residual to dumpster containers for proper disposal. This treatment process has a Consent Order Decree Milestone of $20 million from the state and federal authorities that will be achieved more than one year ahead of schedule for the City of New York.

Contract NC-47 provided the full upgrade of the existing South Battery consisting of a grit removal facility, aeration and settling tanks, and a return activated sludge pumping station, similar to the new North and Central Batteries. All aeration tanks will be covered and provisions made for a process air system including blowers, odor control and a polymer feed system. Odor equipment and controls will be in the newly constructed South Control Building. Contract NC-47 also includes the wrap-up of miscellaneous items in the North and Central Batteries such as modifications to the spray water nozzles, the spray water system and the seal water system.

- Responsible for enforcing the National Electrical Code, New York Electrical Code and other related codes and regulations, including Department of Environmental Protection Construction Rules and Regulations. Interprets codes in the field. Authorizes acceptable alternative methods of code compliance within limits of authority.
- Works under the guidance of the Project's Resident Engineer.
- Reviews Contract Documents to address possible conflicts in advance. Formulates "Request for Clarifications (RFC)" to the Engineer to resolve conflicts.
- Review "Request for Information (RFI)" from Contractors to make recommendations to the Engineer and shorten review process.
- Maintains close coordination with other trade inspectors to assure nothing is compromised.
- Performs field investigations of electrical activities, assuring all applicable code requirements are satisfied and corrected by the electrical contractor. Activities involved installation of conduit, wires/ cables, enclosures, panel boards,

Years Experience
14 years

Office Location
Newark, NJ

Contact
[redacted]

disconnect switches, Motor Control Centers, Susbstations/ Transformers, Automatic Transfer switches, Local Control Panels for Power, Lighting, Fire Alarm, Access control, Public Address, Communications, LV Controls, Gas Monitoring, and HVAC systems.

- Conducted Fire Alarm System Inspection prior to AHJ Inspections to catch any issue that may cause the AHJ to issue a Letter of Defect or a Violation.
- Address and correct issues in the field, if possible, to avoid delays.
- Completes and maintains records of daily report of the electrical contractor's daily activities. Issues correction notices.
- Conducted Equipment Testing for Acceptance.
- Delegate work and provide guidance to electrical inspectors.
- Evaluate Contractor's monthly progress payment requisitions. Reconciled contract changes and claims with the contractor.
- Prepared a detailed punch list of unfinished or non-compliant installations.

New York Fire Department (NYFD), Berths 11 and 12 Rehabilitation- Brooklyn Navy Yard, Brooklyn, NY - Electrical Engineer. Responsible for providing engineering services to the Fire Department of New York for the Rehabilitation and Upgrade of Electrical Service for Berths 11 and 12 at the Brooklyn Navy Yard. The upgrade included the installation of a substation at the dock to provide power for new electrical and mechanical equipment for the new vessels of the Fire Department.

U.S. Coast Guard, Pier Reconstruction, Cape May, NJ - Electrical Engineer. Responsible for providing engineering services to Arthur Henry Inc and Viteri Construction Management for the design-build of the reconstruction of the 300 ft section of Pier 4 at the U.S. Coast Guard Training Center in Cape May, NJ. The structure was designed with the utility trenches along both sides of the pier to accommodate new electrical and mechanical utilities for the USCG Vessels and the existing floating dock.

Pier 86 – Intrepid Museum, Manhattan, NY - Electrical Engineer. Responsible for the planning, design and assistance during the construction phase of electrical systems of Pier 86 for Hudson River Park Trust with costs of $30.5 million. The project consists of demolition of the existing pier and detail design of the new pier and design repairs. Participated in the design of the new facilities and landscaping on the proposed Upland Park.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Electrical Construction Inspector/Engineer	2014 - Present
Michael Baker Engineering, Inc.	Senior Electrical Inspector	2009 - 2014
Halcrow Engineers PC	Senior Electrical Engineer	2003 - 2009
The Prisco Group	Electrical Design Engineer	2001 - 2003
Integral Planning and Management, Inc.	Field Engineer	2001 - 2001
Filinvest Alabang Incorporated	Junior Electrical Engineer	1996 - 1999

JOINT VENTURE

SHELDON WILLIAMS

Professional Experience

Mr. Williams has more than 10 years of experience as a welding and painting inspector including inspection for bridge painting for multiple contracts with NYSDOT. His experience includes performing QA/QC oversight for welding operations and conducting review of quality checks for welding and radiographic work. His representative project experience includes:

NYCDOT, Resident Engineering and Inspection Services for Component Rehabilitation of 10 Bridges, Brooklyn, NY - Inspector. Scope of work includes constructability review of the design documents; CPM review of schedule and updates; continuous REI services and material testing; and public outreach. Construction cost - $6.35 million.

NYSDOT, Region 10 Term Agreement, Contract D030568 for Bridge Painting, Nassau & Suffolk County, NY - Inspector. Inspected bridge painting for multiple contracts on all of the Region's major highways including: Rte 27, Southern State Parkway, Long Island Expressway, Northern State Parkway, Rte 25, Rte 25A, Meadowbrook Parkway, Rte 135 and more. Much of the work was performed at night with WZTC for lane closures. Work included containment and hazardous waste (lead paint) removal prior to installing primer, and a minimum of two coatings. Construction cost - $20 million.

Croton Water Treatment Plant, Bronx, NY - QA General Field Inspector. Supervised all welder qualification tests. Reviewing of weld procedures and welder qualifications. Oversight of all welding operations and NDE requirements. Supervised mapping and tracking of weld, the receiving and installation of equipment (Tanks, pumps, UV units), all QC contractors welding/painting/and mechanical. Walking of packages consisting of pneumatic testing. Pre-hydro and post hydro testing. Supervised all painting and mechanical contract. Piping system restoration. Supervised NDE inspection using the PT and MT process. Construction codes: ASME Section IX, ASME B31.1, ASME Section V, AWS D1.1, and AWS D1.6.

Croton Water Treatment Plant Raw and Treated Water Tunnels Connecting UV Plant, Bronx, NY - QA Welding Inspector. Supervised all welder qualification tests. Oversight all welding operations and NDE requirements. Review all welding procedures and qualifications. Supervised mapping and tracking of the weld. Supervised NDE inspections using the PT process. Construction codes are AWS D1.1.

S&B Engineers and Constructors, Ltd., Teal/Bimodal, Houston, TX - QA Welding Inspector. Responsible for conducting visual and dimensional examinations. Oversight all welding operations. Walking of packages consisting of pre-hydro, hydro, and post-hydro test. Mapping and tracking weld. Performed NDE inspections using the PT and the MT process. Construction codes are: ASME Section V, ASME Section VIII, ASME Section IX, ASME section B31.1, and AWS D1.1. (

S&B Engineers and Constructors, Ltd., Meeker II Gas Plant, Meeker, CO - QA/QC Welding Inspector. Conduct visual and dimensional examinations. Oversight all welding

Years Experience
10 Years

Office Location
Newark, NJ

Contact
[redacted]@kskny.com

operations. Walking of packages consisting of pre-hydro, hydro, and post hydro. Supervised all painting of mechanical contract. Mapping and tracking welds. Supervised NDE inspections using the PT and MT process. Construction codes: ASME Section V, ASME Section VIII, ASME Section IX, ASME Section B31.1.

Oil States Industries, Inc. Houston, TX - QC Welding Inspector. Oversight of all welding operations. Dimensional verifications of fabricated structures. Supervised all painting of mechanical contract. Visual acceptance of weld and weld mapping. Supervised NDE inspections using the PT and MT process. Construction codes AWS D1.1 and API 1104.

Borco Oil Refinery, Upgrade Project, Freeport, Bahamas - (C.W.I.) Welding Inspector. Conducted/reviewed quality checks of all welding and radiographic. Testing procedures during the upgrade phase of Borco Oil Refinery tanks and associated piping. Construction codes are ASME Section V, ASME Section VIII, ASME Section IX, and ASME B31.3

Weld Services, Trinidad and Tobago - (C.W.I.) Welding Inspector. Welding of piping and structural members in accordance with the American Society of Mechanical Engineers code requirements during the shop fabrication phase of various projects. Responsible for visual acceptance of completed weldments. Construction codes are: ASME Section V, ASME Section VIII, ASME Section IX, and ASME Section B31.3.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Inspector/Certified Welding Inspector	2014 - Present
HAKS	Senior Construction Inspector	2013 – 2013
Malcolm Pirnie (Now Arcadis, Inc.)	Construction Inspector/Certified Welding Inspector	2009 – 2012
S&B Constructors	QA/QC Welding Inspector	2008 – 2008
Oil States Industries, Inc.	QC Welding Inspector	2007 - 2008
Borco Oil Refinery	Welding Inspector	2006 - 2006
Weld Services	Welding Inspector	2003 - 2005

JOINT VENTURE

db | KSE

STEVE MAR

Professional Experience

Mr. Mar has experience in high tension electrical engineering, construction technology, contract administration and building operations in a career that spans more than 30 years. He has the ability to work effectively under minimal supervision handling simultaneous projects and meeting deadlines. Mr. Mar has a solid reputation for upholding high standards and realizing organizational goals and objectives. His relevant experience includes:

Port Authority of NY & NJ (PANYNJ), Multiple Contracts, New York & New Jersey - Field Engineer/Construction Inspector. Administrated multiple contracts in New York & New Jersey Port Commerce Department and The Port Authority Trans Hudson Corporation (PATH) train as (CMD / EIC). Worked closely with PA Resident Engineer (RE), PA Assistant Resident Engineer (ARE), PA Project Manager, Engineer of Record (Architect/Engineer), and Contractors to ensuring the projects are delivered on time and within budget. Reviewed scope of work, contract submittal, materials, PACC (Change Orders), Request for Proposal (RFI), and approved contractor progress payments. Performed daily Controlled Inspections and reviews to insure work on construction projects are completed in accordance with contract drawings, specifications, and National / Local Codes and construction project standard (ANSI, NFPA, NEMA, and UL). Scheduled project kick-off meetings and monthly meetings with main contractor and subcontractor to perform ongoing construction project. Analyze budgets and schedules for contract compliance. Projects included:

- Inspected and supervised installation of 2 units of 1000KVA, 4160/480/277V-3phase substation. Coordinated with local power company (Con-Ed) to bring the main substation in services. (Mr. Mar received Port Authority recognition via a "Team Project Award" in 2004.
- Expansion of 124 acres of Port Ivory in Staten Island, NY. A former shipping port operated by Proctor & Gamble. Demolition of existing office buildings, warehouse, power plant, smoke stacks, and structural steel bridges.
- NYC Container Terminal Berth Strengthening and Wharf Extension in Staten Island, NY. Installed new cathodic corrosion wiring throughout the new 300 feet of wharf extension as well as a new substation, fiber optic cabling, cross over bridges, train tracks, air compressors, high mast electrical light towers, sewage drainage, and fire hydrants.
- At PATH train performed Engineer in Charge (EIC) – Installed new security fence and repaired concrete along existing Summit Avenue Bridge in Jersey City, NJ. While the test was not to disrupt the daily PATH train rush hours operation and people/traffic on the street level.
- Replaced/ Installed new PATH railroad tracks, ties, ballast stones, bridge walkway stringers bolts in the Newark PATH Dock Bridge.
- At PATH's South Street Yard in the elevated McCarter Highway bridge in Newark. Installed new Automatic Train Control System. Along with new electrical bungalow, Train Single, and Fiber–optic communication room.

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- At PATH Journal Square Transportation Center – Platforms, Turnstile Area, Moore Tower, Removal of loose concrete over active tracks and underside of John F. Kennedy Blvd. Repaired (2) deteriorated concrete columns. As a EIC's I'm responsible for the safety of workers on working along the active train tracks and the coordination with the Trainmaster for movement of work flat and Hy-rail trains on site.
- Lead inspector for PA. Reactivation of Arthur Kill Vertical Lift Bridge from New York to New Jersey and the national rail network.

New York City Department of Housing Preservation & Development, Multiple Projects, Citywide, NY - Assistant Electrical Engineer worked under Chief Engineer's direction, to supervise and schedule ongoing rehabilitation of city owned building. Monitored various contractors' progress and quality of work. Prepared cost analysis of extra work orders, RFIs, and change orders.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Electrical Inspector	2014 - Present
Maitra Associates, P.C.	Field Engineer – Construction Inspector	2002 - 2013
New York City Department of Design and Construction	Construction Project Manager II	1998 - 2002
New York City Department of Housing Preservation & Development	Assistant Electrical Engineer	1987 - 1998
David D. Owen Associates	Assistant Draftsman / Blue Print Operator	1980 - 1982

JOINT VENTURE

EDWARD McMANUS

Professional Experience

Field Quality Control Inspector with 20 years of experience in civil and electrical inspection, especially electrical substations. Expertise in construction management tank installation, the removal and remediation of petroleum contaminated sites, and public utility substation operations. Recognized for attention to detail and communication skills.

MTA LIRR, Bridge Painting (for Atlantic Traffic & Design Engineers, Inc.) - Construction Inspector for Maintenance and Protection of Traffic (MPT) for the Meadowbrook Parkway Bridge Painting Contract. Painting work done in accordance with national MUTCD and NYSDOT Specifications.

NYCDEP, Sodom and Bog Brook Dams, Brewster, NY - Construction Inspector, Senior Quality Specialist II. Responsible for the inspection of drilling and installing anchors and sheathing.

NYCDDC, Management Remediation of Petroleum Contaminated Sites, New York, NY - Senior Quality Specialist II. Provided direct supervision of four Field Inspectors. Responsible for the coordination of two to five Subcontractors and Subconsultant design firms.

- Ensured the fieldwork at 15 tank and 44 remediation sites, complied with plans, specifications, applicable laws and regulations, and was completed according to schedule. Additional duties included approving requisitions.
- Team nominated for CMAA Achievement Award. Won Gold Award Environmental American Society of Engineers of NY.

NYCDDC, New York City Fire Department Storage Tank Program, New York, NY - Quality Control Inspector. Closed, removed, upgraded, and installed petroleum storage tank systems.

New York State Department of Transportation (NYSDOT), Reconstruction on Route 25A - Construction Inspector. Responsible for the asphalt resurfacing, drainage, traffic signal, sidewalk rehabilitation, full-depth pavement repairs (calcium chloride), sidewalks; six curbs, resetting catch basins, and traffic signal installation.

New York City Department of Transportation (NYCDOT) - Various Locations - Construction Inspector. Responsibilities included the resurfacing with 1½ inch asphaltic concrete wearing course, installation of pedestrian ramps, and new curbs with sidewalks.

NYCDOT, 64 Avenue Reconstruction Project - Construction/Electrical Inspector. Responsible for placement of base concrete, asphalt, and replacement of street lighting.

Triborough Bridge and Tunnel Authority (TBTA), Queens Ventilation Building - Construction Inspector. Responsible for masonry restoration and roof replacement.

Pilgrim Psychiatric Center - Senior Mechanical Inspector. Responsible for rehabilitation of three seven-story buildings approximately 500,000 square feet.

MTA MNR, 110th Street Substation, New York, NY (for Morrison Knudsen Engineers, Inc, New York, NY) - Construction Engineer. Responsible for Construction Management for Traction Power.

MTA MNR, Grand Central Terminal, New York, NY (for Gibbs & Hill, Inc., New York, NY) - Electrical Inspector. Responsible for PCB transformer removal and replacement, construction of four transformer houses and high voltage loop.

MTA MNR, Traction Power Substation in Grand Central Terminal, New York, NY (for Shah Associates, Consulting Engineers, New York, NY) - Electrical inspector. Primary responsibilities included ensuring that the General Contractor and Subcontractor comply with specifications, contract drawings, approved materials, and the National Electrical Code.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Electrical Construction Inspector	2014 - Present
Atlantic Traffic & Design Engineers, Inc.	Construction Inspector Maintenance and Protection of Traffic MPT	2013
Washington Group International, Inc.	Senior Quality Specialist 11	2005
New York City Department of Environmental Protection (NYCDEP)	Construction Inspector Senior Quality Specialist II	2004
New York City Department of Design and Construction (NYCDDC)	Senior Quality Specialist 11	2000 - 2003
NYCDDC	Quality Control Inspector	1997 - 1999
MTA Metro-North Commuter Railroad	Quality Control Electrical Inspector	1996 - 1997
HAKS Engineers	Senior Mechanical Inspector; Construction Inspector; Construction/Electrical Inspector	1994 - 1996
Morrison Knudsen Engineers, Inc.	Construction Engineer	1991 - 1993
Gibbs & Hill, Inc.	Electrical Inspector	1989 - 1991
Shah Associates, Consulting Engineers	Electrical Inspector	1986 -1989
Consolidated Edison Co. of New York, Inc.	Assistant Substation Operator; Substation Operator	1975 - 1986

JOINT VENTURE

SHAILESH M. MODI, P.E.

Professional Experience

Mr. Modi has 20 years of structural/bridge construction experience including being responsible for removal, installation and rehabilitation of substructure/superstructure of bridges and full-depth inspections of existing bridges. He also has experience with reviewing, checking and preparing construction documents, contract agreements, shop drawings, change orders and specifications. Mr. Modi has extensive NYCDOT, NJDOT and NJTA bridge experience having worked on many multi-million dollar project assignments as Resident Engineer, Office Engineer and Inspector.

PANY&NJ; Call-In Facilities Condition Survey of light standards and traffic signal structures -2013; JFK International Airport, New York - Team Leader for the inspection and condition survey for approximately 3,000 light poles/traffic signals throughout JFK Airport which included 90% visual and 10% hands-on inspection. Prepared weekly work schedule, MPT lane closures considering peak traffic times during the day and holiday work restrictions, Coordinated with PA Facility personnel including Operations, Police and PA Tenants, Coordinated Escort service for the Air-side light pole inspection. Prepared in-depth condition reports with GPS location for each light/traffic signal poles, identified structural and non-structural deficiencies. Issued immediate repair letters and identified safety and priority conditions. Updated the location maps for each light pole and traffic pole structures.

PANYNJ/Condition Survey of the Port Newark, NJ Marine Terminal – Team Leader for the condition survey of 17 Port Jersey South Buildings which includes interior and exterior architectural appurtenances, structural elements and connections (100% visual and 10% hands-on), utility supports and ceiling system. Performed inspection of more than 100 Lighting Structures and 25 High-Mask Lighting Towers.

PANY&NJ; Call-In Facilities Condition Survey for 2009-2011; JFK Air Port, New York - Team Leader for the inspection of condition survey for approximately 4,000 light poles/traffic signals in vicinity of JFK Airport limits. Prepared in-depth condition reports with GPS location for each light poles/traffic signal poles and issued Safety and Structural flags with the repair recommendations according to the conditions.

EWR Newark International Airport, Monorail Rail link Station, Newark, NJ - Field Engineer responsible for Construction Management and Supervision of daily construction activities such as structural steel erection and foundation work for monorail guideways and for the Rail Link Station, structural and architectural finishes for the Rail link Station. Station work included pile driving for poured concrete foundations, new concrete high-level platforms, passenger waiting room with HVAC and passenger facilities, passenger elevators and escalators and passenger information and communication systems. Utility work such as new water supply, storm drainage and sewer line connection to station. Coordination among the contractors and subs, quality assurance for the whole project including reviewing contractor's Shop Drawings, RFIs and Change orders. Also, was involved in Water Tank construction Project - steel pile driving, foundation work, water tank

Years Experience

20 Years

Office Location

Newark, NJ

Contact

info@ksong.com

construction, preparing PACCs and office work. This construction project 's value was $400 million dollars.

NYSDOT, Bridge Component Rehabilitation project for Nine Bridges, Henry Hudson Parkway, Manhattan, New York - Office Engineer/Inspector responsible for the partial payments to the contractor, reviewing and checking construction documents, contract agreements, shop drawings and specifications, including: Updating database entry for all unit items and T&M work, keeping all correspondences, material acceptance records, Murk reports, approvals, and submittals up to date. As a Inspector, performed inspection of concrete and asphalt placement on the deck structure, structural steel repair work at Riverside Drive Bridge, installation of stone arch masonry, concrete arch deck repair, inspection of sheeting and steel pile driving and construction supervision at Henry Hudson Parkway Bridge.

College Point Corporate Park Sanitary Sewer Project, Queens, New York - Senior Inspector, responsible for the construction of a new 400 gpm pumping station, gravity sewer and force main, valve chamber, wet valve and pressure relief manholes in College Point/Corporate Park, Queens. Performed inspection of driving steel piles, sheet piling and installation of precast structures for the pump station. Responsible for the partial payments, updating the back-ups from Inspector's Daily Murk sheets.

TBTA-Throgs Neck Bridge and PA-G.W. Bridge (Special verification Inspection) – Team Leader, performed bridge inspection for the critical areas of the bridge members and under rated bridge components including preparation of the final reports.

NJDOT, Train Pre-emption for Traffic Signals North II; Bergen, Morris and Monmouth Counties, NJ - Resident Engineer for installation/modification of existing traffic signals in proximity to rail road crossings to provide control of the traffic signals when train signal gates are activated and prevent intersection blocks and backups. Scope of work includes installation of underground conduit, cables, signal controller units, traffic signals, foundations, manufacturer and field testing of controllers, curb replacement, sidewalks, milling and HMA paving, site safety and maintenance and protection of traffic.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer – Structural Engineering	2007 - Present
Manuel Elkin Co. P.C.	Resident Engineer	2005 - 2007
URS Corp.	Resident Engineer	1998 - 2005
Gandhi Engineering, P.C.	Office Engineer/Inspector	1990 - 1998

JOINT VENTURE

LAWRENCE T. O'ROURKE, P.E.

Professional Experience

Mr. O'Rourke has more than 35 years experience with all types of construction; including highways and bridges, commercial buildings and other heavy construction. He has served as Resident Engineer with proven track record of getting multi-million dollar projects consistently completed on time and within budget. Mr. O'Rourke is a decision maker who can sort through multiple sources of information to arrive at a conclusion quickly and correctly for the best course of action to be pursued. He has the ability to recognize potential problems and correct them before they happen. He acted as a motivator with ability to work with and coordinate all persons involved with a project; including owners, government officials, professionals and contractors.

NJ Transit, Construction Inspection Services for Construction of the Tonnelle Avenue Underpass, a part of the Trans-Hudson Express (THE) Tunnel Project" - Resident Engineer, responsible for construction of a railroad underpass at Tonnelle Avenue in North Bergen. The underpass will be adjacent to where the $8.7 billion project goes underground, allowing the two new rail tracks to begin their descent under Palisades Mountain. In addition to the Tonnelle Avenue underpass, the contract requires demolition of two commercial buildings, construction of new electrical and fire pump rooms, relocation of utilities and construction of a new railroad embankment immediately west of Tonnelle Avenue. Tonnelle Avenue's four traffic lanes will remain open during construction. The underpass project is expected to be completed in 2012. (04/09 – Present)

Essex County, NJ – Construction Inspection Services for Roadway Resurfacing and Incidentals Program – Project Manager and Resident Engineer for several projects to provide survey, inspection and quality assurance staffing for reconstruction of approximately 15 miles of roads at a cost of $15 million throughout Essex County. Work includes construction of new curbs, sidewalks and ADA ramps, milling of existing asphalt pavement and resurfacing with new asphalt, resetting and reconstruction of inlets and manholes, utility relocations and striping. Work also includes installation of new traffic signals and controls.

Meadowlands Management, LLC. NJSC Roadway and NJTA Ramps Improvements, Meadowlands Agreement with Xanadu, Roadways and Ramp, Secaucus, NJ - Resident Engineer for this relocation and improvements to NJSE Authority roadways in the Meadowlands Sports Complex and improvements to the NJTA ramps into the complex Project was responsible for pile driving, roadway excavation, grading and drainage, soil erosion and sediment control, roadway excavation,, concrete abutments,. installation of pre-cast concrete beams, concrete deck placement, drainage headwalls, parapets, highway lighting, line striping, guide rail, Maintenance and Protection of Traffic, and installation of overhead sign structures.

Hudson County, NJ, Construction Inspection Services for Construction of Pedestrian Bridge over JFK Boulevard at 32nd Street, North Bergen and Union City, NJ – Resident Engineer responsible for construction of a $4.1 million pedestrian bridge and related work. Work includes extensive vehicular and pedestrian MPT,

Professional Societies

New Jersey Association of Facility Engineers, President 2008

American Society of Highway Engineers, President 1994-1995

Edmund Mendel Award, 2005

Years Experience

35 Years

Office Location

Newark, NJ

Contact

info@kseng.com

construction of new curbs, sidewalks and ADA ramps, milling of existing asphalt pavement and resurfacing with new asphalt, drainage modifications, utilities, striping and installation of new traffic signal. Work also includes foundations, reinforced concrete and structural steel for elevator/stair towers for 92' long prefabricated steel truss pedestrian bridge. The bridge work includes metal deck pans, concrete deck, decorative stone masonry, glass and metal panel curtain wall, roofing, mechanical, electrical and plumbing work, lightning protection, interior lighting and controls, gypsum board partitions, doors and hardware, suspended ceiling and finishes, and security access and surveillance systems. The work also includes installation of a 2500 pound rated hydraulic passenger elevator in each tower.

Parsippany-Troy Hills, NJ - Assistant Township Engineer

- Managed up to 15 field and office engineers, surveyors, inspectors and secretarial staff.
- Supervised design of plans and specifications, field layout and construction of "in house" road and drainage construction.
- Served as liaison between Township and NJ Department of Transportation officials.
- Assisted Township Engineer in approval of site plans and subdivisions.
- Performed inspections of buildings and homes and issued recommendations for certificates of occupancy and posting maintenance bonds.
- Prepared and presented various reports to Mayor and Township Council at public meetings.
- New Jersey Department of Transportation - Resident Engineer, Highway Inspector. Served as Resident Engineer on numerous highway and bridge projects.
- Ensured contractors' work conformed with plans and specifications and was completed within specified time.
- Managed field and office engineers and inspectors.
- Authorized payment to contractors for work performed.
- Reviewed change order requests and authorized action.
- Issued project correspondence and reports.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer – Civil & Structural Engineering	2008 - Present
McKeon-Grano Associates, Inc.	Project Manager	2003 - 2008
Foster Wheeler Estate Development Corp.	Construction Project Manager	1994 - 2002
Frassetto Construction Co.	Project Manager	1991 - 1994
Middlebury Development Co.	Project Manager	1986 - 1991

JOINT VENTURE

CARL H. ORTMANN, P.E.

Professional Experience

Mr. Carl Ortmann has more than 30 years of experience in the successful completion of major bridge and highway projects, building foundations, power plant and transit structures. He has provided on-site administrative and technical supervision on heavy construction projects, directed multi-trade craft work forces and determined methods of construction, manpower levels, material quantities, equipment, temporary facilities and work schedules. In addition, he supervised all construction activities, materials and equipment received for compliance with company directives, contract drawings, specifications, approved submittals and standards of accuracy. Mr. Ortmann has been in charge of monitoring the quality of work completed and provides quality assurance as required, coordinated submittals to owners, overseen work progress and schedule compliance to ensure a completed project within budget and schedule, resolved field and drawing problems, and reviewed and implemented change orders. He coordinated scheduling of subcontractors and suppliers, reviewed project safety manual and monitored compliance with safety procedures. His relevant experience includes:

PANYNJ, George Washington Bridge Lower Level, New York - Team leader for the Priority, Safety and Routine Verification inspection of the lower level including the lower level roadway and framing, the bottom chord of the stiffening truss, the New Jersey abutment and New York anchorage, and the travelers including their support framing and connections. The purpose of this inspection was to determine the overall condition of the lower level structure and to identify structural and non-structural deficiencies.

PANYNJ, Center Avenue Bridge over the Upper and Lower Approaches to the George Washington Bridge, NJ – Team leader for the inspection and verification of the existing condition of the bridge elements including the roadway, superstructure, substructure and appurtenances to determine the rehabilitation or replacement design options.

NYSDOT, Contract D261292 I-278 Staten Island Expressway Improvements, Staten Island, NY - Senior Project Manager providing on-site project management for the $74.8 million I-278 Staten Island Expressway Improvement Project including 2.78 Km of asphalt and concrete highway reconstruction including the demolition and widening of three (3) bridges with precast concrete deck units and the construction of a new on-ramp using precast concrete deck units. Maintenance of site storm water run-off and implementing compliance with the environmental protection requirements for Brady's Pond. Installation of new drainage systems, new roadway lighting and ITS installations. Maintenance and protection of traffic included 4 stages of construction.

World Trade Center, Tower 1, Manhattan, NY - Project Manager for the $40 million construction of the 120,000 SF foundation for Tower 1 including rock excavation, support of excavation, drilling and grouting of rock anchors, placement of reinforcing steel and concrete for the core, building perimeter footings, slab on grade. Coordination with the PATH and Port Authority Resident Engineer's Office personnel.

NYC Transit, Reconstruction of West 72nd Street Station, NY - Project Manager for the $35 million completion of the renovation and restoration of the existing landmark station house, construction of a new station building including installation of elevators, lengthening of both existing platforms, complete electrical upgrade including new station lighting, floor and wall finishes, and, expansion of Verdi Park pedestrian plaza. Coordination of over 40 subcontractors and suppliers.

Professional Societies

American Society of Civil Engineers, Member

Years Experience

30 Years

Office Location

Newark, NJ

Contact

info@kseng.com

CARL H. ORTMANN, P.E.

New York Post Port Morris Printing Facility, Bronx, NY - Project Manager for the $22 million demolition and replacement of reinforced concrete 2nd floor inserting area in stages while newspaper production maintained. Erection of structural steel to reinforce existing 80 foot long floor trusses.

Astoria Energy Power Plant, Phase 1, Astoria, New York - Project Manager for the $9 million installation of structural steel support structure, unloading from barges and erection of 12 modular air cooled condensers weighing 280 tons each, erection of steam duct and riser sections weighing up to 60 tons and miscellaneous mechanical equipment. Reviewed and submittal of crane placement and erection plans.

PANYNJ, Newark International Airport Parking Structure, Newark, NJ - Project Superintendent for the 485 million construction of a six-level parking structure including erection of steel columns and support beams, erection of prestressed concrete double tee deck units, cast in place double threaded reinforced concrete helix access ramps. Installation of elevator shafts and elevators, site work, electrical work, erection of a prestressed concrete 3 span bridge and approach roadways, parking lot, entry and exit plazas and canopies in Parking Lot E. Coordination of subcontractors and suppliers.

TBTA, Triborough Bridge Randall's Island Junction Structure and Bronx Truss over the Bronx Kill, New York - Assistant Resident Engineer for this $145 million project including the Bronx Truss that has a main span of 383 feet and a total length of 1,217 feet. Project work included demolition of the existing substructure and superstructure on the Bronx Approach and replacement with new cast in place concrete substructure with precast concrete deck panels. The Bronx Truss reinforced concrete deck was removed and replaced with steel orthotropic deck panels on the Bronx Truss. Inverset deck panels were placed on the Queens-Bronx Mainline, and curved welded plate girders with composite reinforced concrete deck for the Junction Structure ramps. A full length construction shield provided debris collection and fall protection for the workers, mariners and the Bronx Kill. Multiple construction stages with extensive Maintenance and Protection of Traffic (MPT) Plans to maintain vehicular traffic and toll revenue for the facility. Project constructed in accordance with NYSDOT's construction specifications.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer	2012 - Present
The Laquila Group, Inc.	Senior Project Manager / Senior Estimator	2006 - 2011
Francis A. Lee Company	Project Manager	2004 - 2006
Nab Construction	Chief Inspector	2000 - 2004
AECOM	Resident Engineer / Asst. Resident Engineer	1995 - 2000
Parsons Transportation Group	Resident Engineer / Asst. Resident Engineer	1989 - 1995

JOINT VENTURE

AMIT ROY

Professional Experience

Years Experience
15 Years

Office Location
Newark, NJ

Contact
[redacted]

Electrical Engineer/Inspector (AECOM, New York, NY) - MTA Montague Tunnel Project (Subway Restoration Project) - Work involved track repair and other related work. E.g. it also included data and communication systems, temporary lighting, removal of damaged cable, wiring and switch boxes, circuit breaker boxes, panels, relay boxes, transformer boxes and different junction boxes and brackets. These were all replaced. Work was accomplished while working on Electrical Live Power Tracks. Inspection work involved demolition work, e.g. circuit breaker houses, duct banks, removal of old negative cables, signal cables, communication and data cables, old signal boxes. Also installation of new Electrical, signal and data communication cables, installation of new switch boxes, signal Boxes, I/J boxes, cutting trenches under the restructuring of duct banks and pouring of concrete. Work also included inspection of track, survey work on the tracks for rails. Also Inspection of water leaks inside the Tunnel and repair of leaks with chemical grouts. Inspection of bolts and replacement where necessary of the damaged bolts inside the tunnel's structural frame ring. Supervised workers and prepared daily reports.

Engineer/Inspector (MTL, Engineering Testing Co, Hicksville, NY) - Responsible for conducting field inspections, performing lab tests, monitoring and testing structural parts of buildings including concrete, rebar, masonry work, and soil. Responsible for checking and writing reports.

Electrical Engineer/Inspector (Tectonic Engineers, Queens, NY) - Responsible for providing inspection services at various NYC building sites.

Electrical Engineer/Inspector (Hepco, Rutherford, NJ) - Responsible for providing inspection services for communication installations for the MTA subway project at various locations.

Electrical Engineer/Inspector (SI Engineering, New York, NY) - Responsible for providing inspection services for the TBTA's project on the Marine Parkway Bridge, Brooklyn, NY. Responsibilities included checking the electrical portion of the construction of the TBTA's new service building. Checked the main electrical power supply, emergency power supply, ATS, circuit breakers, disconnect switches, conduits, wiring, cables, switches, panels, light fixtures, lights, emergency lights, light poles, alarms, motion sensors, intercom system, power plant design, HVAC and other mechanical equipment /device electrical connections., telephone and data communication cables. Prepared daily reports.

Estimator/Inspector (Action Electric Co, Queens, NY) - Worked as an estimator and inspector for multiple NYC projects for agencies including the MTA, various hospitals, schools and college buildings. Responsibilities included taking off quantities and preparing estimates.

Engineer/Inspector (US Engineering Lab, Rahway, NJ) - Responsible for providing inspection services on multiple projects.

Junior Electrical Designer/Engineer (Energy, Melville, Long Island, NY) - Responsible for work on multiple design/build Electrical/Mechanical Systems. Responsibilities included designing electrical systems for hospitals, colleges, factories, sports stadium and other buildings. Calculated loads for lighting, receptacles and equipment. Checked switches, panels, UPS, illumination of the buildings. Provided field inspection, checked for compliance with NEC and other codes. Prepared CAD drawings and inspection reports. Served as a Validation Engineer at Schering-Plough Pharmaceuticals, Kenilworth, NJ.

Junior Engineer/Designer (Con Edison, New York, NY) - Responsible for preparing drawings for new projects involving maintenance of the existing power network. Field checked existing facilities, monitored different situations, checked load calculations and the replacement of transformers, computer assisted network analysis, checked work for compliance in accordance with NEC and other applicable electrical codes. Prepared CAD drawings. Made field inspections and prepared inspection reports.

Junior Electrical Engineer, NYC, Parks & Recreation, Department of Electrical Engineering, Flushing, NY - Responsible for designing and checking the electrical power supply, circuits, lighting, and pumps etc. in different facilities at existing and newly built city parks. Checked work for compliance in accordance with NEC and other applicable electrical codes. Prepared CAD drawings, made field inspections and prepared inspection reports.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Inspector – Electrical Engineering	2014 - Present
AECOM	Electrical Engineer/Inspector	2013 - 2014
MTL, Engineering Testing Co.	Electrical Engineer/Inspector	2008 - 2013
HEPCO	Electrical Engineer/Inspector	2007 - 2008
SI Engineering	Electrical Engineer	2006 - 2007
Action Elect. Co.	Estimator/Inspector	2005 - 2006
US Engin. Lab	Engineer/Inspector	2003 - 2006
NationalGrid (KeySpan Energy)	Junior Electrical Designer/Engineer	2001 - 2003
Con Edison	Junior Electrical Designer/Engineer	2000 - 2001
New York City Parks & Recreation	Junior Electrical Engineer	2000
Sydney W. Barbanel	Junior Electrical Designer/Engineer	1999 - 2000

JOINT VENTURE

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ROLSTON A. SAUL, P.E.

Professional Experience

Mr. Saul offers 23 years of engineering experience performing structural integrity inspection of highway and railroad bridges, buildings, and other structures including all types of steel complex bridges and concrete long-span bridges in accordance with AASHTO, AREMA NYSDOT, NYCDOT, PONTIS Federal Coding Guide, and local requirements. His relevant experience has been gained while working for the Port Authority of New York and New Jersey, Triborough Bridge Tunnel Authority, New York State Department of Transportation and New Jersey Department of Transportation. His relevant experience includes:

PANYNJ, Facility Condition Survey Services As Requested on a "Call-In" Basis During 2006, 2007 and 2008 – Assignment # 3 – Condition Survey of High Mast Light Towers at Howland Hook Marine Terminal – Team Leader responsible for the condition survey of 43 high mast light towers at the Howland Hook Marine Terminal in New York. All high mast light towers received a 100% hands-on inspection including all structural framing and connections, luminaire assembles and connections, structural support systems, visible portions of the foundations, and other appurtenances attached to the light towers including floodlights and signs.

PANYNJ, Facility Condition Survey Services As Requested on a "Call-In" Basis (MBE/WBE) During 2006, 2007 and 2008 – Assignment # 2 2007 Condition Survey of the Facades of Lincoln Tunnel Ventilation Buildings – Team Leader responsible for the inspection and report writing for facade inspections of the Lincoln Tunnel Ventilation Buildings (2 buildings in New Jersey and 3 buildings in New York) to assure the structural integrity of the exterior walls in regards to safety of the general public. Also responsible for verifying the status of repairs identified in the previous inspection report. The inspection was carried out using a 22' wide moving scaffold positioned at several locations along each face of the buildings to provide a hands-on inspection of the facades.

PANYNJ, 2005 Biennial Inspection of Lincoln Tunnel New Jersey Approach Roadways, NJ - Assistant Team Leader for inspection of bridges along the NJ Turnpike. Assisted in identifying the bridge components, defects, and quantification of the defects. Prepared the NJDOT Biennial Inspection Reports and the Port Authority Condition Survey Reports.

PANYNJ, Central Refrigeration Plant and Bus Station Rehabilitation, NYC, NY – Structural Engineer responsible for the structural and architectural design efforts involved in the installation of a new refrigeration plant that is to be located on two new structural slabs over I-95. Designed an ADA compliant curb and a concrete barrier around the opening above the cooling towers.

PANYNJ, Lincoln Tunnel Ventilation Buildings, NYC, NY - Structural Engineer responsible for the rehabilitation of the historic ventilation buildings at the Lincoln

[redacted]

NHI Course No. 130055 – Safety Inspection of In-Service Bridges, January 2012

NHI Course No. 130047 – Stream Stability and Scour at Highway Bridges - February 2012

NYSDOT Bridge Inspection Workshop, Course No. 20050032

NYSDOT Method of Bridge Inspection Prescribed by the Structures Design and Construction Division

Cold Weather Safety, CW1004, 02/03/2013

Years Experience

23 Years

Office Location

Newark, NJ

Contact

Info@kseng.com

Tunnel. Reviewed shop drawings and design calculations as necessary for compliance with applicable codes and specifications.

PANYNJ, Port Authority Bus Terminal Rehabilitation, New York - Structural Engineer responsible for the structural and architectural design efforts associated with the replacement of the existing cooling towers at the PA Bus Terminal. Work included rehabilitation of the structural steel supports, catwalk grating supports, and the roof above the Drop-in Center.

PANYNJ, JFK International Airport, Queens NY – Assistant Team Leader responsible for inspection of light poles, lighting structures, and radio communication towers at JFK International Airport. Inspection consisted of checking for defects such as cracked welds, holes at the base of the structures, dents and holes as a result of vehicular impact, exposed electrical cables, using D-meters to determine section loss and any defect that might impair the functioning of the structure. Responsible for the preparation of the Port Authority Condition Survey Report and updating of the structures' location plans.

PANYNJ, JFK International Airport Light Rail Transit System, Manhattan - Queens, NY – Structural Engineer responsible for assisting in the design of the foundations for this light rail transit system. Work included the following: checking of utility locations relative to the foundation and making recommendations as to utility relocation or design of special foundation; determining loads for the piers as necessary; and reviewing the design of retaining walls as necessary.

Job # 1000 – MTA LIRR, Underwater Inspection of 32 LIRR Bridges, NY – On-Site P.E. Team Leader for the underwater inspection of seven (7) of 32 LIRR bridges. Upon completion of the inspection, reports were prepared according to the requirements of the Long Island Rail Road. The seven bridge reports were finalized, reviewed, revised, and sent to the MTA for review, and all comments were processed.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Senior Engineer – Structural Engineering	2005 - Present
B&H Engineers	Senior Engineer	2004 – 2005
Gannett Fleming	Structural Engineer	2001 – 2003
Vollmer Associates	Structural Engineer	2000 – 2001
Mueser Rutledge	Structural Engineer	1992 – 2000

JOINT VENTURE

RACHOT SENISRISANT, P.E.

Professional Experience

Mr. Senisrisant has more than 13 years of experience, including eight years as an Office Engineer on NYCDDC projects. With strong computer literacy and attention to detail, Mr. Senisrisant is reliable and dependable. He has the ability to manage and prioritize projects to meet assignment deadlines in a fast paced environment. Mr. Senisrisant's recent relevant experience includes:

PANY&NY, Condition Survey and Preparation of Report for 78 Major Sign Structures and 582 Ground Signs for the JFK International Airport, NY - Structural Engineer responsible for the biennial inspection for 24 terminal buildings; bridges at JFK International Airport including preparation of BIN folders, condition survey report for 24 bridges and load rating for 5 new bridges. Also responsible for providing structural analysis and design for substructures, such as structure basement, underground garage, footing foundations; barrier structures including bridges, retaining walls. Tasks included structural inspections for barrier structure including bridges; preparation of final reports, plans and specifications for structural design projects; review shop drawings and construction details; and preparation of construction documents using AUTOCADD and MicroStation programs.

NYCDDC, Resident Engineering Inspection Services for HW2CR12B, Grinding Existing Concrete Wearing Course in Preparation of Resurfacing, Boroughs of Manhattan and the Bronx, NY - Assistant Resident Engineer responsible for this $14.3 million contract, providing inspection and other related services for projects involving grinding existing asphaltic concrete wearing concourse at in Manhattan and the Bronx locations on an as-needed basis. Some issues that involve inspection services include site maintenance and safety, protect tree from construction debris, milling 2" of existing asphalt, smaller milling machine was used to grind asphalt in hard to reach places such as around catch basin or corner of a curb and a sweeper was used behind milling machine to clean up the debris. Tasks include all services necessary and required for the inspection, management and administration of this project, for the required construction work to be properly executed, completed on time and conforms to the plans, specifications and requirements of the construction contract.

NYCDDC, HWMWTCA7A, Resident Engineering Inspection Services for the Reconstruction of Harrison Street, Borough of Manhattan, NY - Office Engineer responsible for this $2.1 million project that of involves the construction of water mains; construction of sewers, catch basins and chute connections; utility construction and relocation; construction of new curbs and sidewalks; roadway reconstruction, installation of street lighting and traffic signals; and landscaping and punch list work. Tasks include preparing field cards; fixing asset summaries, in service sheets and tap cards; preparing and approving contractor payments under Time & Material records; evaluating the contractor's performance; managing staffs and assign individual responsibility; corresponding with the contractor and other agencies; preparing orders-on-contract; managing progress meetings; preparation

of progress estimates and maintaining the payment book. Also check inspectors' daily reports for accuracy and compliance with specifications. Monitor material certification with every installation.

NYCDDC, HWS2006C, REI Services for Construction of Emergency Sidewalk Contract, Citywide, NYC - Resident Engineer/Office Engineer responsible for this $4.1 million project. Work include supervising, inspecting and controlling the performance of the construction including milling, paving of streets; installation of concrete sidewalks; steel faced curbing, pedestrian ramps, bus pads, street traffic signals, pavement markings, catch basins and planting of new trees; construction of new medians under PLANYC; reconstruction of roadway along the medians. Coordinate with the City agencies including NYCDDC, NYCDOT, NYCDEP, NYCDPR, NYCMTA and the utility companies. Prepare the monthly progress reports and other project reports to the New York City agencies. Maintain project records. Tasks include preparing field cards; fixing asset summaries, in service sheets and tap cards; preparing and approving contractor payments under Time & Material records; evaluating the contractor's performance; managing staffs and assign individual responsibility; corresponding with the contractor and other agencies; preparing orders-on-contract; managing progress meetings; preparation of progress estimates and maintaining the payment book. Also check inspectors' daily reports for accuracy and compliance with specifications. Monitor material certification with every installation.

NYSDOT, D020028, Brooklyn-Queens Expressway (BQE) from 61st Street to Broadway Interchange, Highway and Bridge Design Phase V-VI, New York, NY - Structural Engineer for the reconstruction of this project (1.5 KM) including portions of the Interchange, horizontal and vertical realignments, retaining walls, ramps, drainage, bridges, sign structures, signing and pavement markings, noise barriers, lighting and Maintenance & Protection of Traffic (MPT). Condition Survey and preparation of reports for retaining walls along the BQE. Responsible for providing structural analysis and design for substructures, such as structure basement, underground garage, footing foundations; barrier structures including bridges, retaining walls. Tasks included structural inspections for barrier structure including bridges; preparation of final reports, plans and specifications for structural design projects; review shop drawings and construction details; and preparation of construction documents using AUTOCADD and MicroStation programs.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer – Civil Engineering	2002 - Present
P. Construction & Materials Company Limited	Structural/Field Engineer	1998 - 1999

JOINT VENTURE

MAHMOOD (PERRY) SHAHANGIAN, P.E.

Professional Experience

Mr. Shahangian possesses more than 40 years of experience with regard to the supervision and coordination of highway construction contracts for the NYCDDC, NYSDOT, New Jersey Turnpike, NJDOT, DRPA, PA Turnpike, and Penn DOT. A registered professional engineer in New Jersey and several other states, his experience as a Resident Engineer and Project Manager includes his supervision of contract administration, progress of field design changes, preparation of progress reports and pay estimates, approval of change orders, and working directly with District and State Engineers. Representative examples of his experience include the following:

NYSDOT, Staten Island Expressway (I-278), Bridge Rehabilitation and TSM Measures, Staten Island, NY - Resident Engineer on this $26 million contract which involved the construction of a bus lane in the median of the SI Expressway starting from 200 meters west of Manor Road to the Verrazano Bridge in Staten Island. The work included the rehabilitation of twelve expressway bridges to accommodate the bus lanes, painting of the bridges within the project and the construction of new noise walls along the project. Painting of the structures required the removal of existing paint within a Class A containment system. Responsibilities included construction inspection, shop drawing submittals, monthly estimates, and coordination with other agencies regarding progress schedule, order-on-contract, as-built drawings and finalization of the project.

NYSDOT, Region 11, Route 9A "Where and When" Emergency Repairs, Manhattan, New York City, NY - Resident Engineer under this contract that involved the completion of emergency and non-emergency work along Route 9A from Battery Place to West 59th Street. Specifically, he was assigned to oversee the construction of a $16 million temporary steel pedestrian bridge (Vesey Street Bridge) over Route 9A (West Street), which was complicated by heavy pedestrian traffic and reconstruction work at the WTC site. The 220-foot steel truss structure is 20 feet wide and can accommodate between 4,500 and 6,000 people per hour at peak periods of use. Responsibilities included construction inspection, shop drawing submittals, monthly estimates, and coordination with other agencies regarding progress schedule, order-on-contract, as-built drawings and finalization of the project.

NYSDOT, Long Island Expressway / Clearview Expressway Interchange Improvement, Borough of Queens, NY - Chief Inspector on this $30 million project that included the rehabilitation of 8 roadway bridges and 8 on-grade ramps using a phased construction sequence. Work included new concrete pavement and concrete bridge decks, new accel/decel lanes on the ramps, new drainage, safety improvements, new landscaping and new lighting.

Pennsylvania Department of Transportation, Maintenance Painting of Bridges on S.R. 0030, S.R. 4020 and S.R. 118 - Lancaster and York Counties, PA - Construction

Years Experience
40 Years

Office Location
Newark, NJ

Contact
info@ksenj.com

Inspector charged with monitoring the completion of maintenance painting work on three (3) bridge structures in Central Pennsylvania. Work that he oversaw included surface preparation by blast cleaning to a near-white condition; application of the prime, intermediate and finish coats to the desired thickness; and implementation of protective measures concerning the environment, persons and property.

Pennsylvania Department of Transportation (District 5-0), Bridge Safety Inspections and Preliminary Designs for Rehabilitation, Northampton and Schuylkill and Northampton Counties, PA - Project Engineer responsible for the overall direction of bridge safety inspections, including the subsequent preliminary design activities associated with noted deficiencies, for two structures on S.R. 611 and S.R. 1002 in Northampton County, and one on S.R. 125 in Schuylkill County. Safety inspections involved evaluating the existing condition of each structure including research of its maintenance history, physical measurement of its features, documentation of its existing condition (including any deterioration, cracks, settlements, etc.) and classification as to its rehabilitation needs.

NYCDDC, QED-990, Installation of Water Mains in Vermont Place between Cypress Avenue and Jackie Robinson Parkway, Borough of Queens and the Installation of Distribution Water Mains in the Corlear Avenue and 238th Street Area, Borough of the Bronx - Resident Engineer responsible for this $17 million project that includes replacement of a 48" diameter trunk main, installation of access manholes, a butterfly valve, blowoff, a 12" and 20" regulator, insulated flange joints and chambers. Lining of an existing 12" diameter water main beneath the Jackie Robinson Parkway, and replacement of 125 feet of 18" diameter ESVP combined sewer pipe in Cypress Avenue. New 8", 12" and 20" diameter distribution water mains will replace existing water mains at the Bronx location. Upon completion the roadways and sidewalks will be restored.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer – Civil & Structural Engineering	2009 - Present
TRC	Resident Engineer	1987 - 2009
Harazrah Consultants, Inc.	Resident Engineer	1974 - 1986
Illinois Department of Transportation	Resident Engineer	1966 - 1974

JOINT VENTURE

CHRISTINE STANTON

Professional Experience

Ms. Stanton is a Contract Specialist for KS Engineers in New Jersey and New York. Her responsibilities include preparation of Subcontracts, Vendor Agreements, Change Orders for Owners and Subcontractors; processing requests for information and submittals; management of insurance certificates; and maintaining current logs (Change Orders, Contracts, Drawing Lists and Insurance) using Primavera Expedition.

PANYNJ, Construction Management Services on a "Call-In" Basis – Field Position for Contract Specialist for Construction Management Division, Jersey City, NJ – Contract Specialist working out of the Office of the Assistant Chief Engineer – Construction and the Engineer of Construction, Construction Administration, Engineering Department at the Port Authority Tech Center in Jersey City, New Jersey. Responsible for consultant invoices, purchase order budgets, new call-in agreement requests, distribution of bid-tabs, non-disclosure agreements, and the bid log.

NJSDA, Construction Management Services for Roberto Clemente School, Paterson, NJ – Document Control Engineer – This project consists of the renovation of an existing 8,200 sq. ft. commercial building into four (4) kindergarten classrooms, one (1) multi-purpose room, a kitchen and administration spaces. The project also includes building a parking lot on a different site adjacent to the building site. Scope of work also includes a new roof and 5 HVAC roof top units. The existing building is one (1) story on grade steel frame structure that has no basement.

Project Document Control Administrator (Hudson Meridian Construction Group, New York, NY)

- Prepare Subcontracts and Vendor Agreements
- Prepare Change Orders for Owner and Subcontractors
- Process request for information and submittals
- Manage and obtain insurance certificates
- Maintain current logs (Change Orders, Contracts, Drawing Lists and Insurance) using Primavera Expedition
- Code all invoices and requisitions
- Set up and maintain files for correspondence and submittals
- Set up and maintain Control Books and PM Binders
- Assist Director of Field Operations/Project Executive

Project Document Control Administrator (Jeffrey M. Brown Associates, New Jersey / New York)

- Prepare Subcontracts and Purchase Orders
- Prepare Change Orders for Owner and Subcontractors
- Process all change management, request for information and submittals utilizing Expedition
- Manage and obtain all insurance certificates

- Maintain current logs Change Orders, Change Proposals, Contracts, Cost Worksheet, Drawing Lists,

Insurance and Potential Change Orders) using Primavera Expedition
- Request, gather and process all closeout material
- Review and distribute all faxes and incoming mail using DocStar
- Set and maintain files for correspondence and submittals

Project Secretary
- Managed a field office for a construction site
- Handled all calls for this site
- Scheduled and coordinated meetings between management, owners and subcontractors
- Ordered all supplies needed for the jobsite
- Maintain all filing

Training Center Coordinator (J.D. Edwards and Company, Rutherford, NJ)
- Provided receptionist service for a training facility housing over 300 students
- Prepare and coordinate training and marketing material for all classes
- Act as corporate "point person", providing clients with assistance on issues ranging from using the software to accessing the Internet

Office Receptionist
- Provided receptionist services for an office housing over 500 employees
- Processed administrative requests utilizing the Microsoft Office
- Managed the appointments for several key company officers, as well as conference rooms, utilizing Microsoft Outlook
- Acted as the "backup" Office Manager, during the Office Manager's vacation periods

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Contract Specialist	2009 - Present
Hudson Meridian Construction Group	Project Document Control Administrator	2006 - 2009
Jeffrey M. Brown Associates	Project Document Control Administrator	2000 - 2006
J.D. Edwards & Company	Training Center Coordinator	1998 - 2000

JOINT VENTURE

HSU-HUEI (LEO) SUN, P.E.

Professional Experience

Mr. Sun has more than 34 years of demonstrated success as a project engineer, designer, and inspector on a variety of projects, including bridges, highways, buildings, rail, and transmission towers, as well as commercial and industrial facilities for multiple public and private clients. His expertise includes the design of complex bridge and building structures and detailed inspections, as well as load rating analysis, coordination, and cost estimation. His representative project experience includes:

PANYNJ, JFK International Airport, Rehabilitation of Outfalls 10 & 13 - Senior Structural Engineer for the replacement of Outfalls 10 and 13 at JFK Airport. The work included the preparation of contract documents and construction cost estimates. The project included the construction of precast concrete culverts and cast-in-place concrete retaining walls. Duties included performing site visits, preparation of contract drawings including plans, specifications and cost estimates. During construction, performed site visits and reviewed shop drawings.

PANYNJ, Structural Design Services for Express Rail Port Jersey - Intermodal Container Transfer Facility (ICTF) at Greenville Yard – Senior Structural Engineer performed design calculations for the steel soldier pile retaining walls and concrete retaining wall at the ICTF trailer. Also prepared contract drawings for the foundation of substation, ICTF trailer, underground compressed air pits, and underground horn pits to receive trailing cable from the RMG cranes.

MTA Metro-North Railroad, Poughkeepsie Station Building Improvements - Phase III, Poughkeepsie, NY - Structural Engineer for the crack and spall repairs at the north station wall; repairs to the deteriorated steel canopy, and extension of the concrete retaining wall north of the station. The work consisted of four distinct tasks: Data Collection and Site Investigation; Preparation of Preliminary Documents; Final Design and Preparation of Detailed Plans, Specifications, and Construction Cost Estimates; and Bidding and Construction Period Services. In addition, MNR, town, county, and utility company records were also reviewed. An in-depth inspection was performed to ascertain the condition of the retaining walls, canopy, and other elements at the site.

MTA NYCT, Overcoat Painting of Elevated Structures from Dyckman Street to 218th Street, Broadway -7th Avenue Line, Manhattan, NY - Senior Engineer performing the condition inspection of structural steel prior to overcoating. Reports were prepared documenting the section losses noted during the inspection.

County of Mercer, Replacement of Bridge 641.1 carrying Sweetbriar Avenue (CR 649) over Miry Run, Hamilton Township, NJ - Senior Structural Engineer for the engineering services of the replacement of Bridge 641.1. The bridge consisted of a 72-foot-long, three-span, pre-stressed concrete T-beam superstructure, supported on reinforced concrete substructure units with concrete pile foundations. The bridge

Certifications

Years Experience
34 Years

Office Location
Newark, NJ

Contact
info@kseng.com

was determined to be structurally deficient, with a sufficiency rating of 30.0, and scour-critical based on the Stage II in-depth scour evaluation.

County of Hudson, Improvement to the Single Span Arch on West Hudson Park Road over Davis Avenue, Harrison, NJ - Senior Structural Engineer for the design of the improvements to the single span arch. The bridge was functionally obsolete and the objective of this project was to improve the existing deck geometry curb to curb width of 22' -9" to 28'; and to increase the existing vertical clearance of 13'-9" to 16' to meet AASHTO standards.

NYSDOT, Route 42 Design Built Bridges over West Kill, Greene County, NY - Lead Engineer for the design, inspection, and rehabilitation services including removal and replacements of two bridges with steel girder on integral abutments, reconstruction of the roadway embankment and pavement. Review shop drawings and respond field request.

NYSDOT, Replacement of the Route 121 Bridge over the Stone Hill River; Bedford, NY - Senior Structural Engineer for design services associated with the replacement of a concrete jack-arch bridge originally constructed in 1910. To design a new prestressed concrete beam bridge including specifications and cost estimate.

NYSDOT, Replacement of the Taconic State Parkway Bridges (NB & SB) over Angell Hill Road; Austerlitz, NY - Senior Engineer providing bridge design for the replacement the two three-span structures with two single-span prestresssed concrete box beam bridges.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Structural Engineer	2012 - Present
McLaren Engineering Group	Structural Engineer	1998 – 2012
Feld, Kaminetzky & Cohen, P.C.	Project Engineer	1997-1998
Telstar International	Senior System Analyst	1997-1997
Armco Inc., Flour City Architectural Metals	Structural Engineer	1989-1997
Gannett Fleming, Inc.	Structural Engineer	1986-1989
Sinotech Engineering Consultant, Inc.	Junior Engineer	1981-1983
Peiping Architectural Consultants	Junior Engineer	1980-1981

JOINT VENTURE

DONALD J. WARNETT, P.E.

Professional Experience

Mr. Warnett has more than 35 years of experience including work with roadway reconstruction, roadway excavations, water mains, utility work, regulators, sewer construction, tunneling, NYCTA subway facilities, etc. Mr. Warnett's responsibilities have included resident engineering inspection and project management, construction supervision, preparation of reports, project evaluations, in-house contract documents, plan and specification review and coordination, bid soliciting and evaluation, award processing, scheduling, technical inspection, processing of change orders, payment approval, punch listing and project close-out procedures, liaison with community boards, the public and with other City, State and Federal agencies.

NYCDDC, HWXP2022, Reconstruction of Conner Street Bulkhead, Borough of the Bronx, NY - Resident Engineer responsible for providing resident engineering inspection services for this project. The goal of this construction project is to reconstruct the Conner Street Bulkhead in the Bronx. The location of the bulkhead is at the end of Conner Street and the Hutchinson River in a NYCDOT maintenance yard. The existing bulkhead needs extensive work. A portion of the bulkhead has collapsed and more will crumble unless it gets replaced. The wall will be replaced with a new pile-supported reinforced concrete wall. Due to the marine environment, the use of stainless steel re-bars and class GG concrete has been specified. Also, because of tidal fluctuations, a cofferdam is required. In addition, a turbidity curtain is required to satisfy environmental regulations.

NYCDDC, HWMWTCA7A, Resident Engineering Inspection Services for the Reconstruction of Harrison Street, Borough of Manhattan, NY - Resident Engineer responsible for this $18 million project that of involved the construction of water mains; construction of sewers, catch basins and chute connections; utility construction and relocation; construction of new curbs and sidewalks; roadway reconstruction, installation of street lighting and traffic signals; and landscaping. The contract uses joint bidding for private utility work and includes private utility replacement. Portions of the project are within proximity to NYC Transit Authority facilities. The NYCTA reviews the contractor's means and methods of construction where work is within close proximity to their facilities.

NYCDDC, Reconstruction of Bergen Avenue, Borough of Brooklyn, NY - Resident Engineer on this $36 million inspection project that included the installation of storm and sanitary sewers and complete street and sidewalk reconstruction within approximately 46 residential blocks just west of the Paerdegat Basin in the Borough of Brooklyn. The street and sidewalk aspect of the work included new street lighting, installation of fire alarm boxes, curbs, catch basins, handicap access ramps and street markings throughout the limits of the project. The storm and sanitary sewers were built on concrete cradles placed atop piles, while most of the sanitary sewers were placed in the same lane as the existing sewers that were removed. Some water mains were replaced. Some wide blocks had a center mall. The reconstruction

of the street was difficult do to excessive settlement of the soil. In these areas the roadbed was stabilized using filter fabric.

NYCDDC, MED-595, Installation of Trunk Water Mains in Astor Place and Cooper Square, Manhattan, New York - Resident Engineer responsible for this $23 million project that included the installation of 12" & 20" water distribution mains, new butterfly valves, valve and connection chambers, blowoff valves and chambers, flowmeters with chambers, access manholes with chambers, and modifications within shaft 19. In addition, new 30", 36" and 48" steel trunk water mains to interconnect Shaft 31B from City Tunnel #2 at East 4th Street, to Shaft 19 from City Tunnel #1 at Cooper Square. New 24" DIP will also connect new 24" regulator valves to the new trunk water mains. Restoration of the various roadways was performed for this project. Depending upon the extent of the roadway excavations, this work involved full width reconstruction or trench restoration. Any sidewalks and curbs disturbed were replaced.

NYCDDC, HWM-1667W, Reconstruction of Frederick Douglass Circle Boulevard, Borough of Manhattan, NY - Resident Engineer responsible for this $23 million project located on the Cathedral Parkway 110th Street from Frederick Douglass Boulevard to Morningside Avenue and also on Manhattan Avenue West 109th Street to West 120th Street. This project is part of the revitalization of the Harlem Gateway Corridor. A significant memorial will be built to honor Frederick Douglass, a great African-American leader. The project included installation of water mains from 12" to 48'', catch basins, sidewalk, concrete base and pavement. The project also included: distribution water mains and sewer reconstruction; sidewalks, curbs and pedestrian ramps; traffic signals and street lights; tree pruning and planting; constellation wall on the inner circle; and granite paving work on the inner circle.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer – Civil Engineering	2008 - Present

JOINT VENTURE

PARIS ZHANG, P.E.

Professional Experience

Ms. Zhang is a seasoned design and construction focused Civil Engineer fully licensed to serve in the State of New York and private business to assess, plan, manage, and complete innovative civil engineering projects. She highly educated with deep professional experience in international arenas; ready to leverage composite skills in civil design engineering and environmental engineering to benefit various projects. She is equally adept at working with private and public clients including state and federal governments, military facilities, and large / small corporations.

Civil Engineer (State of Hawaii, Department of Education, Honolulu, HI) - Planned, coordinated, organized, directed, and controlled a variety of engineering and architectural services for State of Hawaii. She handled end-to-end processes which included planning, designing, inspecting, and managing construction projects; skillfully facilitated quality control, contracting, construction management, and equipping facilities and other improvements for state schools and agencies. Also completed planning design and logistics while directing teams, operations, and construction / architectural services; handled project coordination and budgets, while facilitating quality control initiatives to meet project objectives. She coordinated with vendors and contractors to complete construction projects.

Civil Engineer (City & County of Honolulu, Department of Design and Construction, Honolulu, HI) - Ms. Zhang provided expertise with designing and managing installments of civil infrastructure facilities including streets and highways, drainage and flood control systems, and environmental engineering related projects. She handled diverse projects from concept to completion to include bridge and road rehabilitation, reconstruction, monitoring, and inspection; drainage improvements; emergency repairs; flood control; rock slide risk inspections; seismic retrofits; and stream and storm drainage improvements. Managed process to identify engineering project needs, design solutions, create architectural drawings / blueprints, and communicate with contractors and design makers. She repeatedly conceived and created civil engineering design solutions to save city costs while providing lasting, high-quality structural improvements.

Project Engineer (Dick Pacific Construction Co., Ltd., Honolulu, HI) - Ms. Zhang served as construction engineer on major commercial and military construction contracts. She provided leadership on projects from initial construction scheduling through all construction planning and completion stages. Interpreted architectural and engineering designs, reviewed blueprints and documents, planned logistics, and participated in budget and systems review to ensure projects aligned with requirements, costs, and risk parameters. Also communicated with teams, managers, field / site crews, and construction professionals / vendors to oversee all project phases. She delivered construction expertise and technical support for project planning, design, and design interpretation. Prepared change proposals, participated in cost negotiations, and processes subcontractor / supplier documentation and contracts.

PARIS ZHANG, P.E.

Representative Projects follows:

- FY05 MCA PN 57226 Drum Road Upgrade, Phase I, Helemano Military Reservation, Oahu, Hawaii. Prepare Request for Equitable Adjustment for the Drum Road Phase I project. The scope of the project is to upgrade of existing dirt and gravel road to a wider, all weathered roadway. The project includes to improved sight distances at hairpin turns, roadside protections at drop-offs, provide slope stabilization and rock-fall mitigation, and to demolish existing and install new structures at the existing 16 stream/gulch crossing. The project includes 7.15 miles roadway and the original cost estimate is 24 million.
- Hilton Hawaiian Village Grand Waikikian Tower Construction, Honolulu, HI. Scope of this project involves construction of a 38-story concrete tower with 331 timeshare units, six-levels of parking, and extensive water features, pool, restaurant area. Responsible for providing technical support for project planning, design and design interpretation. Assisted field supervision in cost studies and cost control. Assisted in the buyout process. Prepared change proposals and participated in cost negotiations. Processed change orders to subcontractors and suppliers. Drafted and issued subcontracts.
- Civil Design Engineer (URS Corporation, Honolulu Office, HI) - Designed diverse engineering projects, including projects for military as well as city facilities, systems, and structures. Performed technical analysis, site reviews and inspections, and environmental research and assessment; provided data to generate site engineering reports, cost estimates, proposals, and contracts. Handled studies, calculations, simulations, permits, and plans to establish structures, create restoration plans / projects, and complete installations to meet regulations and requirements.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Engineer – Civil Inspector	2014 - Present
State of Hawaii, Department of Education	Civil Engineer	2011 - 2014
City & County of Honolulu, Department of Design and Construction	Civil Engineer	2010 - 2011
Dick Pacific Construction Co., Ltd.	Project Engineer	2008 - 2009
URS Corporation	Civil Design Engineer	2005 - 2008
Stanley Yim & Associates	Civil Design Engineer	2003 - 2005
Beijing Hong Kong Garden Villa House Property Development Co. Ltd.	Project Engineer	1992 - 1999

JOINT VENTURE

LISA ANN LAUTATO

Professional Experience

Ms. Lautato's 19 years of experience includes planning, design and construction management services on wastewater treatment facilities, pumping stations and collection systems.

Ms. Lautato's experience includes various wastewater rehabilitation projects for Great Neck Water Pollution Control District, Port Washington Water Pollution Control District and Brookhaven National Laboratory. These projects included facility upgrades and/or improvements, review of televised inspections of the wastewater collection system, recommending methods of repair and/or maintenance, research into various trenchless technologies, on-site inspection of sanitary sewer pipe relining and on-site inspection for the replacement of sanitary sewer pipe.

Ms. Lautato has performed construction management services, including shop drawing review for NYSEFC, Suffolk County Bergen Point Wastewater Treatment Plant Final Clarifier and Appurtenant Facilities/Connections project; and shop drawing review and on-site inspection for Westchester County, Yonkers Joint Wastewater Treatment Plant, Primary Thickener and Dewatering Facility Odor Abatement project and primary and secondary treatment covering system and odor control.

Ms. Lautato's involvement in design projects includes the conversion of Nassau County's Inwood Sewage Treatment Plant to a pumping station and 3-mile force main, miscellaneous improvements at Port Washington Water Pollution Control District pumping stations, treatment plant and their wastewater collection system. Her responsibilities ranged from obtaining as-built information, layout and selection of equipment and processes, and developing and assembling contract specifications and drawings.

Ms. Lautato has prepared applications to Nassau County Health Department and Fire Marshal offices for approval of fuel and chemical storage tank installations for compliance with chemical/fuel bulk storage requirements.

Ms. Lautato's experience in engineering/construction includes on-site inspection of the construction of a new emergency generator facility and new process equipment at the Cedar Creek Water Pollution Control Plant, Nassau County, New York. Specifically, Ms. Lautato's responsibilities included witnessing emergency generator load tests, hydrostatic testing of process piping systems, installation of diffuser systems in new aeration tanks, miscellaneous surveying, shop drawing review and interface with contractors.

Ms. Lautato also conducted on-site inspection on a $2,800,000, three prime contract, modernization project of three Nassau County wastewater pumping facilities and a $1,750,000 three prime contract, modernization of two Nassau County pumping facilities, including a major wastewater ejector station.

Licenses and Certifications

Professional Societies

American Society of Mechanical Engineers

Water Environment Federation

Years Experience

19

Office Location

Woodbury, NY

Contact

llautato@db-eng.com

These projects included excavation work that utilized steel sheeting and deep well and well point dewatering systems, trenchless technologies (slip lining), force main construction,demolition work, structural concrete and steel work, road work and site restoration Ms. Lautato's experience also includes piping installation, sewage pump installation and testing, installation and load bank testing of generators, construction and testing of electrical distribution control systems, installation and balancing of ventilation and odor control systems, and installation and testing of buried fuel storage tank systems.

Ms. Lautato has extensive experience in trenchless technologies related to sanitary sewer system upgrades, including system evaluations (SSES), design of cured-in-place/fold-and-form lining systems and bursting replacement utilizing HDPE piping, jacking/boring systems, as well as construction management services for the implementation of these projects.

JOINT VENTURE

SYED IMRAN ALI

Professional Experience

Mr. Ali has 29 years of experience including construction inspection for roadway reconstruction, bridge rehabilitation and bridge painting projects including milling and paving work, existing lead paint removal utilizing class 1A containment systems. Has also performed office engineering duties including for review of all the daily reports, estimates, and calculations. Some of his relevant project experience includes:

NJTA, Professional Construction Services for Driscoll Bridge Repainting. and Miscellaneous Improvements, NJ and PA - NACE Inspector for this project that included: existing lead paint removal utilizing class 1A containment systems; steel surface preparation; painting structural steel; performing of tests to confirm compliance with the contract specifications; miscellaneous improvements to the structure.

NJDOT, FHWA Maintenance Bridge Painting Contract 2010-3, Routes 35 and 37, NJ - Inspector on this project that included: existing lead paint removal utilizing class 1A containment systems; steel surface preparation; painting structural steel; performing of tests to confirm compliance with the contract specifications; maintenance and protection of traffic controls.

NYSDOT, REI Services in connection with the Reconstruction of Manhattan Bridge (Contract #14), Rehabilitation of Cables & Suspenders, Boroughs of Manhattan and Brooklyn - This was a multimillion dollar project involving rehabilitation of main components of the Manhattan bridge, job responsibilities include preload verification of suspenders, removal of old suspender, installation of new suspender box and a new suspender as per approved design and procedures. The suspender loaded as per guideline of Weidlinger Associates. The job responsibilities also include removal of faying surfaces continuity and bearing plates and installation of the same, inspection of surface preparation Anchor profile, WFT, DFT and recording of ambient. Installation of work platform on Main cables TA platform and underdeck platform as per approved drawings and procedures. Services performed included detailed inspection and on-site field tests of all materials and items of work as is customary; field measurement and collection of data necessary to submit monthly and final estimates and progress reports; preparation of record plans showing all changes from the contract plans. A diary describing the progress of the work, specific problems encountered and all other pertinent information relative to the execution of the contract, and all records, shall be kept in accordance with the Manual for Uniform Record Keeping (MURK).

NJDOT, CI Services for Median Crossover Crash Protection Contract No. 11, Livingston and Morris Townships, NJ - Inspector responsible for the installation of double sided Guide Rail in the median of sections of Rt. 280, 287 and 124. Work included installation of double sided Guide rail, site clearing, installation of non-vegetative fabric and asphalt, bridge parapet modifications, Guide Rail end treatments, topsoil and seeding and maintenance and protection of traffic.

Years Experience

29 Years

Office Location

Newark, NJ

Contact

info@kseng.com

SYED IMRAN ALI

NJ Transit – Construction Inspection Services for Construction of the Tonnelle Avenue Underpass, a part of the Trans-Hudson Express (THE) Tunnel Project" - Inspector, responsible for construction inspection of a railroad underpass at Tonnelle Avenue in North Bergen. The underpass will be adjacent to where the $8.7 billion project goes underground, allowing the two new rail tracks to begin their descent under Palisades Mountain. In addition to the Tonnelle Avenue underpass, the contract calls for relocation of utilities and construction of a new railroad embankment immediately west of Tonnelle Avenue. Tonnelle Avenue's four traffic lanes will remain open during construction, except for some night-time periods when traffic volumes are low. The underpass project was expected to be completed in 2012.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Inspector	2013 – Present 2009 – 2010 2008 - 2009
GPI	Senior Inspector	2010 - 2012
Infrastructure	Construction Inspector	2006 - 2007
Ram Construction; Paradise Construction; East Coast Construction & Design Inc.; Royal America Inc.	Project Supervisor	1995 - 1999
Dakhni Petrochemical	Senior Engineer	1985 - 1995

JOINT VENTURE

ALBERT W. BAIRD, P.E.

Professional Experience

Albert Baird has 30 years of building and heavy construction experience on a wide range of projects including schools, terminal buildings, garages, correction building and facilities, utilities, installation of gas pipe lines, petroleum pipelines, installation sewer pipe lines and water mains, catch basins, installation of dams, waterfront construction, dredging, bridges and highway construction, pile driving, boreholes in soil and rock formations, construction testing, stratification of soil, soil testing, and geophysical test methods. Albert has been holding positions over the last 16 years as Resident Engineer, Construction Manager, Project Manager and Quality Control Manager. His experience includes construction management and supervision, job scoping, constructability review, contract bid estimate, review job scope, review design development drawings and specifications, pre-bid and pre-construction meeting, contract documents preparation and review, coordination of trades, contract administration, field inspection oversight, RFI review, review of shop drawings, project meetings, daily and monthly project reports, punch lists, as-built drawing review, close-outs, cost and time management, document control, estimating, CPM scheduling review and updates, change order preparation and negotiations, inspection and quality assurance. As a Construction/Project Manager always obtains clear project objectives, and manages the constraints of cost, time and quality. Implements the needs of the Client and adapts the procedures of the Client. An effective team player. Concerns and attempts to reduce project risk.

United States Army Corps Of Engineers/Brayman Construction Corp., Dover Dam Safety Assurance, Tuscarawas County, Ohio ($30 Million) - Quality Control Manager: Responsible for adequate control to ascertain full compliance with contract, verify control, inspection and testing, review Activity Hazard Plan to assure that safety requirements are met, verify testing procedures comply with contract requirements, identify pass/fail results, review contract drawing, shop drawings, catalog data, ,submittals and RFIs, submit daily reports, verify drilling, grouting, borehole and encapsulation water tightness, anchor installation, post tensioning of rock anchor, concrete placement and testing, river slope water control system, and road construction procedures.

New York State Power Authority (NYPA), Hydroelectric Infrastructural Repair and Maintenance Projects ($1Million .upwards) Project Engineer: Installation of Sluice Gates, River Bank repairs, setting of stream control systems, environmental and erosion control systems, roadway repairs, boreholes on dams and dykes, placement of concrete, and piezometer and instrumentation installations for dams and dykes. Job scoping, construction drawing and specification review, bid packaging, pre-bid and pre-construction meetings, construction management activities.

(DDC/DEP, Remsen Ave. Two-story Administration Building and Garage Reconstruction ($40Million), LEED "Silver" rating, CM/Build services: April 2011 to October 2011 Construction Manager: The construction scope of activities included the construction of foundation and two story building plus cellar, installation of catch

Professional Licenses
New York

Certifications
NICET Grade IV – Soils, Grade IV Asphalt, Grade IV – Highway Construction, and Grade III Concrete

Years Experience
30 Years

Office Location
Newark, NJ

Contact
info@kseng.com

basins and sewer pipe lines, installation of water storage tank, photovoltaic power system within the building skylight and with data acquisition system, elevator, emergency generator, switch gears and panels, hot and cold water plumbing system, chillers, natural gas piping, lighting control system, HVAC system with BMS, fire alarm, fire pump, CCTV, and security system. Capturing of storm water for reuse, water detention tank installation, fuel pump relocation, installation of utilities, fence and gate installations, installation of catch basins, sewer pipes, concrete and asphalt surfacing of the site and concrete and brick wall installation.

LMDC, 40 Floor Deutsche Bank Demolition, NY ($260Million) opposite Ground Zero - Structural Engineer: Responsible for reviewing all structural details on demolition drawings, ensure systematic floor-by-floor deconstruction and removal of concrete deck, and structural steel components, liaison continuously with the general contractor's Structural Engineering Company personnel on the job, with regulators from the EPA, NYSDOL, FDNYC, and the DOB, ensure that approved procedures and plans of deconstruction are maintained and provide professionally signed Daily and Weekly Reports to the LMDC and the DOB. This project included Asbestos Abatement on each floor, erection of scaffold and netting, safety drills, and daily Safety Meetings at the beginning of each shift.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Resident Engineer - Construction Manager	2014 - Present
Brayman Construction Corp.	Project Engineer	2013 - 2014
New York Power Authority	Construction Manager	2011 – 2013
URS Corporation/O'Brien-Kreitzberg Inc	Structural Engineer	1993 – 2011
Greeley & Hansen	Resident Engineer	1989 – 1993
R.B.A. Group Engineers	Construction Engineer	1986 - 1989

JOINT VENTURE

ROBERT W. BANBURY

Professional Experience

Mr. Banbury has over 20 years experience in construction management and inspections. His objective is to use knowledge and experience to provide service above expectations in the execution and delivery of projects to which he is assigned, and as such, achieve client satisfaction and contribute to the success of the management team. He is a highly motivated individual able to work alone or in a team structure. In addition, he possesses strong interpersonal and communication skills, consistently meets deadlines and is detail oriented with excellent problem solving, technical and analytical skills.

Senior QA/QC Engineer, Fort Lauderdale-Hollywood International Airport Runway Expansion Project (CES Consultants/Parsons Transportation Group Construction Project Management Team, Fort Lauderdale, FL) - Scope of work involved includes, but is not limited to, ensuring contract compliance for soil improvements, embankment earthwork, paving, drainage, concrete bridge structures, roadways, deep foundations, utility building, underground utility systems, preparing reports, reviewing contractor's payment applications and extensive traffic maintenance associated with expanding and elevating Runway 9R-27L, and constructing new parallel and connecting cross-field taxiways. Construction value of design-build and design-bid-build work packages is $180M and $250M respectively.

Construction Inspector/Assistant Resident Project Representative, Trenton-Mercer Airport Taxiway Rehabilitation Project, (DY Consultants, Garden City, NY) - Performed construction management and inspection services for rehabilitation and upgrading of taxiways. Duties included but were not limited to the following: Inspection of taxiway milling, paving and reconstruction, drainage and airfield lighting/signage (NAVAIDS) improvements, pavement markings and maintenance of traffic. Reviewing and processing of RFI's, change orders and payment requisitions. Measured quantities, participated in progress meetings and prepared reports.

Senior Project Manager, MIA Mover System Project (DBOM), Concourse D Extension Apron Project, Concourse D Extension APM Station Completion Project and North Terminal Development Elevator/Escalator/Moving Walkway Installation Project at Miami International Airport. (HNTB Corporation, Miami, FL) - Provided construction management and administration services for various building and civil engineering projects involved in aviation transportation capital and facilities improvement program. Projects included construction of design-build automated people mover (APM) system, apron pavement and underground utility systems, and concourse/terminal buildings, including installation of electro-mechanical conveyance systems. Duties included but were not limited to the following: Inspection of piling installations (precast and in-situ augercast reinforced concrete piles), reinforced concrete pile caps and piers, prestress concrete and structural steel box-girder beams, and reinforced concrete guideway and transit station to ensure compliance with contract documents, DOT standards, material testing procedures and applicable codes. Inspected cofferdam sheet pile installation to

Years Experience
20 Years

Office Location
Newark, NJ

Contact
info@kseinc.com

dewater excavation and install utility pipelines and structures. Monitored and managed construction costs by reviewing, analyzing and negotiating contractors' change orders, claims and payment requisitions. Reviewed project schedules for progress payment approvals and claims analysis. Construction value of contracts varied between $4M and $250M.

Project Manager, Concourse F Life Safety Master Plan Phase 1 Project at Miami International Airport. (M.C. Harry Associates, Inc. Miami, FL) - Performed construction coordination between the owner, contractor and design professionals for the expansion of fire alarm/fire protection systems including demolition and renovation of existing facilities and other associated work. Scope of work involved upgrading MEP, fire alarm, fire protection, public address and lighting systems and architectural finishes to achieve code compliance for existing airport building facility; structural repair of post-tension beam structure for existing floor and roof assemblies. Provided construction administration services. Duties included but were not limited to the following: Conducted construction progress meetings and prepared minutes. Maintained and updated RFI, change order, submittal/shop drawing, non-conformance report (NCR), as-built drawing and correspondence logs for project. Reviewed contractor's shop drawing/submittals for compliance with specifications and applicable codes. Documented and prepared progress reports and monitored project schedule. Estimated costs for additional work and reviewed contractor's proposals and progress payment applications for approval. Inspected work for conformance with contract provisions and prepared punch lists. Prepared and submitted project deliverables to client for contract close-out. Worked in conjunction with design professionals and contractor to provide cost-effective solutions to problems encountered during construction due to differing site conditions, and answered RFI's. Construction value of contract was $10M. Contract was completed on schedule and within budget.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Construction Engineer – Civil Inspector	2014 - Present
HNTB Corporation	Senior Field Representative	2009 - 2010
M.C. Harry & Associates, Inc.	Project Manager	2006- 2009
T.Y. Lin International	Field Engineer	1998 - 2006
M.C. Harry & Associates, Inc	Design Engineer	1998
E.N. Bechamps & Associates, Inc.	Office Engineer/Assistant Resident Engineer	1995 - 1997
Maurice Gray Associates, Inc.	Field Representative	1993 - 1995
Ronald E. Frazier	Construction Inspector	1991 - 1993

JOINT VENTURE

GEORGE R. BROBERG, P.E., P.P

Professional Experience

Mr. Broberg has 44 years of diversified experience in managing the design and construction inspection of multi-disciplined state, county and municipal public infrastructure projects including roads, bridges, traffic signals, water systems, sewer and drainage systems, and residential and commercial projects. He is hands-on, pro-active, cost-conscious, recognized as a strong leader capable of getting the project/objective complete on time and within/under budget to the satisfaction of the client. Some of his relevant experience includes:

NYC Department of Parks and Recreation (NYCDPR), Survey and Borings for Stormwater Greenstreets – Citywide - Project Director responsible for overseeing an extensive program of soil borings, permeability testing, and survey work to compile design data under New York City's aggressive program to beautify neighborhoods and improve the quality of stormwater runoff throughout the five Boroughs by converting unused impervious areas of street right-of-way into pervious green space that will capture rainfall and percolate it into the existing soil. Under the Queens program, Mr. Broberg is responsible for the drilling of approximately 110 borings and associated laboratory testing, completing permeability testing at 120 locations, and the collecting of survey data and base map preparation for 250 sites. He is overseeing the preparation of a summary data report, and managing the activities of subcontractors who perform the borings and complete laboratory testing of the samples, and KSE's field inspectors and survey crews.

NYCDPR, Survey and Borings for Right-of-Way Bioswales and Greenstreets in the Hunts Point Watershed HP-007 in the Bronx - Project Director responsible for overseeing an extensive program of soil borings, permeability testing, and survey work to compile design data under New York City's aggressive program to beautify neighborhoods and improve the quality of stormwater runoff throughout the five Boroughs by converting unused impervious areas of street right-of-way into pervious green space that will capture rainfall and percolate it into the existing soil. Under the Hunts Point program in the Bronx, Mr. Broberg is responsible for the drilling of approximately 50 borings and associated laboratory testing, completing permeability testing at 100 locations, and the collecting of survey data and base map preparation for 120 sites. He is overseeing the preparation of a summary data report, and managing the activities of subcontractors who perform the borings and complete laboratory testing of the samples, and KSE's field inspectors and survey crews.

NYCDPR, Professional Services for the Preparation of Designs for the Reconstruction of Sidewalks Damaged by Adjacent City-owned Trees, Citywide - Project Director responsible for overseeing the completion of field investigations and the preparation of construction plans for repairs to sidewalks damaged by the tree roots of adjacent City-owned trees. KSE is responsible for the evaluation and design for several thousand locations in all five Boroughs of New York City. Work involves field inspections of each damaged sidewalk location, the development of appropriate remedial repairs, and the

Years Experience
44 Years

Office Location
Newark, NJ

Contact
info@kse-nj.com

preparation of simple construction plans and quantity take-offs. The work is being completed on an extremely accelerated schedule.

NJ Schools Development Authority, Geotechnical Engineering for the New Halloran Elementary School Building for the Elizabeth Public School District – Project Manager for this project which included provided geotechnical engineering services as part of a feasibility study for a new four-story, 144,900 GSF elementary school building at the Elizabeth Public School's Halloran School. Geotechnical services entailed two separate field investigation programs which included deep soil borings, laboratory testing of the samples collected from the split spoon sampler, and preparation of Geotechnical Investigation Phase I and II Reports that recommended a deep foundation support system for the building. The proximity, to the building's footprint, of a major existing Joint Meeting of Essex and Union Counties (JMEUC) 13.5-foot-wide by 8.5-foot-high interceptor sewer passing through the site was a major consideration in the development of the foundation support system design. KSE worked closely with the JMEUC to develop the design criteria for the allowable soil loading that could be transferred to the new structure. Other major considerations in the development of the geotechnical recommendations were the existence of historic fill on the site, groundwater levels, the existence of relatively shallow bedrock, and an increased flood plain elevation published by the Federal Emergency Management Agency (FEMA), based on the effects of Super Storm Sandy.

Delaware River Joint Toll Bridge Commission (DRJTBC), I-78 Toll Bridge Parapet Upgrade and PA Approach Paving Improvements -- Project Manager and Design Services Task Leader for the improvements to the Pennsylvania approach roadway to the Interstate 78 Toll Bridge, the Welcome Center, and various parapets on the main river and approach bridge structures. KSE was retained to provide project coordination, a public participation program, design services, and construction administration. As Project Manager, Mr. Broberg was responsible for developing and implementing a Public Participation Program early in the Preliminary Design phase of the project. He was also responsible, as Design Services Task Leader, for the base mapping, a concept study, preliminary and final design, and post-design services.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Vice President	2010 - Present
HNTB	Associate Vice President	2010
CMX	Senior Vice President	1984 - 2010
The RBA Group	Senior Associate	1972 - 1984
Louis Berger and Associates	Highway Engineer	1970 - 1972

JOINT VENTURE

CHRISTOPHER LeHANKA

Professional Experience

Mr. LeHanka has over 13 years of experience as an Environmental Engineer working on asset management and wastewater projects. His tasks have included WWTP sanitary system design, data analysis, shop drawing reviews, report preparation, cost estimating, data collection and construction inspection.

His professional experience includes the following:

- Provided Design Services During Construction (DSDC) services including review/ processing of submittals (Shop Drawings and RFI's) attend progress meetings, coordinating with resident engineering/inspection team, addressing/resolving field issues during construction, and review/processing of Change Orders for the Chemical Bulk Storage and Petroleum Bulk Storage system upgrades for NYC DEP Coney Island.

- Provided DSDC services including review/ processing of submittals (Shop Drawings and RFI's) attend progress meetings, coordinating with resident engineering/ inspection team, addressing/resolving field issues during construction, and review/processing of Change Orders for Great Neck Water Pollution Control District Waste Water Treatment Plant improvements and expansion to 5.3 MGD.

- Evaluated physical conditions of pumping systems, force mains and associated process equipment (assets) for the assets ability of to meet operational requirements now and in the future to provide a cumulative risk rating that can be used to identify priority asset groups for capital project improvements.

- Managed a multi-disciplined team (Mechanical, Structural, and Electrical) for cumulative risk assessment for over 60 pumping stations (CFN and CFS) for NYCDEP.

- Performed desks top assessments of NYC DEP BWT force mains for CFN and CFS based upon physical condition, performance and criticality to the system.

- Prepared detailed construction cost estimates for the Integrated SCADA Systems, pumping station, and regulator chamber upgrades for the Tallman Island and Red Hook drainage areas.

- Chemical Bulk Storage and Petroleum Bulk Storage system compliance inspection in accordance with 6 NYCRR PARTS 595-599 and 6 NYCRR PARTS 612-614 for NYC DEP Coney Island, Wards Island and Oakwood Beach Waste Water Treatment Plants.

Professional Societies
New York Water Environment Association

Years Experience
10+

Office Location
Woodbury, NY

Contact
clehanka@db-eng.com

- Prepared cost estimates, plans and specifications for Chemical Bulk Storage and Petroleum Bulk Storage system upgrades for NYC DEP Coney Island, Wards Island and Oakwood Beach Waste Water Treatment Plants.

- Prepared Polymer System design drawings, specifications and cost estimates for the Suffolk County Department of Public Works.

- Prepared drawings, specifications, cost estimates and performed construction inspection for the Great Neck Water Pollution Control District for the following projects:
  - Waste Gas Burner System
  - Primary Digester Mechanical Upgrades
  - Pump Station and Force Main Installation
  - Sludge Hauling Contracts

- Preparing drawings, specifications and construction cost estimates for collection system improvements for the Port Washington Water Pollution Control District.

- Preparing heating and ventilation specifications, drawings and cost estimates for the City of Long Beach and modifications to the City's Bus Garage.

- Prepared liquid waste receiving station design drawings, specifications and cost estimates for the Passaic Valley Water Pollution Control Facilities.

- Inspection of sewer pipe removal, installation, manhole replacement for Entenmann's Bakery/George Weston Bakeries, Inc.

- Collected/analyzed flow meter data and prepared reports for the GNWPCD's inflow study and for the NYC's Coney Island Interceptor Flow Study.

- Prepared cost estimates for NYC DEP's Gowanus wastewater pumping station facilities upgrade, which included structural, mechanical, process, HVAC and plumbing work totaling $55 million.

- Field measuring to prepare as-builts for the Gowanus Pumping Station.

- Involved with all aspects of the Facilities Plan for the Gowanus Facilities Upgrading, including incoming flow monitoring, as-builts and preliminary hydraulics.

- Guest lecturer on ventilation design for wastewater treatment plants for Manhattan College and guest lecturer on aerobic digesters for Brookhaven National Laboratory.

JOINT VENTURE

MICHAEL J. SCOLPINO

Professional Experience

Mr. Scolpino is a Construction Inspector with 29 years of experience in civil/mechanical engineering. His areas of expertise include concrete structures, water main and sewer construction, water treatment plant construction and HVAC. Mr. Scolpino's specific experience is summarized below:

CONSTRUCTION INSPECTOR

Construction Management Services for Various BWT Locations

- This contract is to assist BWT in developing and implementing a Construction Management Program. This unique project requires coordination with multiple engineering sections, as well as operations at all wastewater treatment plants and collection facilities located in NYC area. The project includes on-call work requiring overnight and weekend emergency response.

- Mr. Scolpino served as senior inspector on these projects where his responsibilities included day-to-day field inspections of civil and mechanical work performed, preparation of electronic inspection reports, coordination with contractor, identify and track potential issues, and assisting Resident Engineers.

Construction Management Services for Miscellaneous Projects in the Downstate Area (CTYWDCM-3B) - New York City Department of Environmental Protection (NYCDEP)

Assignments include:

- Oakwood Beach Wastewater Treatment Plant (WWTP) 5KV Substation Reconstruction (Contract OB-125) contract in Staten Island ($15 million)

- Port Richmond WWTP Boiler Upgrade (Contract PR-113) contract in Staten Island ($27 million);

- Orchard Beach Pumping Station Replacement in the Bronx ($2.7 million)

- Mr. Scolpino served as senior inspector on these projects where his responsibilities included day-to-day field inspections of work performed by general/mechanical/ electrical contractors, pro-active coordination with the utility companies and regulatory services, preparation of inspection reports, track shop drawings, coordination with contractor, identify and track potential issues, and assisting Resident Engineers. Mr. Scolpino was also responsible for the coordination of RFIs, change orders and shop drawing approvals. He worked on processing all payment requests submitted by contractors and prepared as-built drawings as per field conditions.

Certifications

New York City Construction Superintendent

Specialized Training

10 Hour OSHA Construction Safety Course

7 Hour Site Safety Managers Course

Supported Scaffold Training

EPA - Lead Renovation, Repair and Painting Course

Years Experience

29

Office Location

Woodbury, NY

Queensbridges Houses – New York City Housing Authority:

- Replacement of 18, 250HP gas fired steam boilers in six plants, consisting of two phases. Each plant included excavation, shoring, cutting of areaway and foundation walls, rigging of boilers, rebuilding of walls and backfilling excavations, scheduling and monitoring the rebar and concrete inspections. Work also included the rebuilding of the entire boiler room steam system and installation of new electrical systems for power, lighting and boiler panels.

- Worked on the coordination of all steam and domestic water shutdowns with the development managers and borough heating divisions.

- Responsibilities included conducting weekly toolbox safety talks with the project foreman, performing site safety walkthroughs. Scheduling of rebar, concrete and compaction inspections. Filling out daily reports, contractor sign-in sheets, as well as reviewing contractor's monthly requisition and payroll verification reports.

MEP/GENERAL SUPERINTENDENT

Zinc Building – 21 Condominium Units, Including 3 Duplex Units:

- MEP Superintendent, whose responsibilities included the coordination of mechanical trades for a new eight story building. In addition, completed the second half of project as an assistant general superintendent, including punch list and tenant closeouts.

School of Visual Arts – 36 Unit Dormitory:

- Responsibilities included the inspection of all mechanical work and assurance of all code and specification compliance.

Gansevoort Hotel – 18 Story Hotel:

- Reviewed and expanded the scopes for all MEP trades.

- Managed the MEP coordination meetings, as well as performing mechanical superintendent duties.

International Toy Center and 20 Exchange Place, New York City:

- Supervised disconnects and removal of all existing plumbing, sprinkler, HVAC and electrical systems, as well as general demolition of the commercial tenant spaces for conversion to residential use.

- Coordinated ACM removal and air-monitoring.

- Helped develop and expand scopes and specifications for all MEP trades.

JOINT VENTURE

db | KSE

KHOSROW NAMDAR, P.E. (NORMAN)

Professional Experience

Mr. Namdar is a Structural Engineer with over 42 years of design, construction and project management experience in wastewater treatment plant and pumping station designs, steel and concrete building structures design.

As a Senior Engineer, Mr. Namdar is responsible for managing and directing the structural design of projects and the complete development of plans and specifications for the conceptual, preliminary, and final phases of structural design and rehabilitation for maintenance facilities, municipal and industrial buildings, and water and wastewater facilities. He is also responsible for contract compliance, budgets, schedules and the coordination of project disciplines.

Prior to joining the firm, Mr. Namdar has experience working on the following projects:

New York City Department of Environmental Protection (NYCDEP)

- Gowanus Pumping Station Facility Upgrades, Brooklyn, NY – Structural Engineer responsible for evaluating the existing facilities and planning the demolition of an existing building and existing brick tunnel. Provided detailed analyses and designs for a new building and for the revision and extension of an existing wastewater pumping station and below grade concrete chambers. A system of "jet grouting" was used for dewatering excavated areas.
- Oakwood Beach Wastewater Treatment Plant, Staten Island, NY – Structural Engineer responsible for the design, modifications and additions to an existing concrete chlorine tank at the treatment plant.
- Reconstruction of Delaware Aqueduct Shafts 9,10 and 17, Westchester and Putnam Counties, NY – Structural Engineer responsible for extensive peer review of structural drawings and design calculations for several new structures and additions to existing structures. Also designed a new retaining wall system.
- Reconstruction of Pumping Stations at Cross River Dam and Croton Falls Dam, Westchester and Putnam Counties, NY – Structural Engineer responsible for developing design documents for new platforms and pump support frames in the existing Cross River Shaft 13 building, for a new pump station building at Croton Falls.

Mr. Namdar also has engineering experience with many other agencies, towns and municipalities such as:

- Locust Valley Water District, Locust Valley, NY – Structural Engineer responsible for coordinating design and site inspection services during the construction of a new addition to the existing Locust Valley Water District building.

Professional Licenses

New York

Professional Societies

American Society of Civil Engineers – Life Member

Village of Great Neck, New York – Member, Board of Trustees

Years Experience

42+

Office Location

Woodbury, NY

Contact

knamdar@db-eng.com

- Village of Northport, Northport, NY – Structural Engineer responsible for coordinating the design and preparation of foundation drawings for sand and salt storage structure.

- New York City Supreme Court Building, New York, New York – Provided repair and rehabilitation details, including replacement of portions of concrete slabs, repair of cracked and spalled concrete and repair of deteriorated steel framing.

- Great Neck Water Pollution Plant Control District, Wastewater Treatment Plant, Great Neck, New York – responsible for completing constructability review report for engineering drawings, and proposing revisions and additions to the drawings contents.

- Wastewater Treatment Plant Upgrade, Northport, New York – Structural Engineer responsible for coordinating the design and the preparation of drawings and specifications for a reinforced-concrete equalization tank, supported on pressure-injected auger-cast piles.

- William Gallo Bulkhead, Asharoken, New York – Structural Engineer responsible for evaluating an existing rock wall/bulkhead and designing a new rock wall to protect beachfront property.

- Pulaski Street Parking Garage, Glen Cove, New York – Inspection and assessment of a parking level and physical condition of the floor, loading condition of the floor, loading condition and structural analysis of third floor elements to evaluate their capacity to safely support expected loads, based on New York State Building Codes.

- William Gallo Bulkhead, Asharoken, New York – Structural Engineer responsible for evaluating an existing rock wall/bulkhead and designing a new rock wall to protect beachfront property.

As a Project Structural Engineer, Mr. Namdar was responsible for design services, the preparation of working drawings and specification, and multidisciplinary coordination for the construction of commercial and industrial buildings, telecommunications facilities, office buildings and building additions. While in this role, Mr. Namdar's responsibilities included but are not limited to the following:

- Design of high rise buildings.

- Dynamic analyses of the structures for seismic forces.

- Design of power plants structures, equipment foundations and pipe supports.

- Cast-in-Place Concrete and Structural Steel Framing.

JOINT VENTURE

MICHAEL NEUBERGER, P.E.

Professional Experience

Mr. Neuberger has been responsible for design and construction management duties related to power, control, and instrumentation systems for municipal wastewater treatment facilities, sewage pump stations, and water supply facilities. Projects and duties of specific interest are as follows:

- Electrical Project Engineer for the design of the Wards Island Grit and Screenings Facility for the New York City Department of Environmental Protection, including extension of the existing plant 4 kv distribution; an outdoor double-ended 1.5 MVA unit substation; motor control center; and process controls for the odor control system.

- Electrical Project Engineer for the design of secondary grit and sludge screening facilities for the Passaic Valley Sewerage Commissioners (PVSC), Newark, NJ, including process control systems, P&IDs and integration into plant SCADA systems.

- Electrical Project Engineer for design of an odor control facility at the Cedar Creek Water Pollution Control Plant for the Nassau County Department of Public Works, including process controls, ventilation controls, motor control center, fire alarm system, and intercommunication system.

- Electrical Project Engineer for the design of a packed tower aeration system for the Town of Hempstead, NY, at their Levittown Water District for Wells 5A and 6B, including packed tower control system; chemical treatment control system; primary electrical service; diesel engine standby generator set housed in a walk-in enclosure; and reduced voltage solid state motor starters for the well and booster pumps.

- Electrical Resident Engineer for the construction of a sludge dewatering facility at the Middlesex County Utilities Authority, Sayreville, NJ, including coordinating digital and analog alarm and status inputs from the process equipment to the new RTUs (Remote Terminal Units) for the existing plant distributed data acquisition system; verification of conformance of alarm and status indications with contract documents (specifications, drawings, P&ID diagrams); integration of PLC based and analog based process control equipment; and extensive contact with both electrical contractor and instrumentation systems subcontractor.

- Construction management for the implementation of an Allen-Bradley PLC based control system for effluent backwash control at the Somerset Raritan Valley Sewerage Authority, NJ, including shop drawing review of the integrated control system, and electrical construction inspection.

Professional Societies

Institute of Electrical and Electronics Engineers - Industry Applications Society

Illuminating Engineering Society

International Association of Electrical Inspectors

Years Experience

24+

Office Location

Woodbury, NY

Contact

mneuberger@db-eng.com

- Energy studies for LIPA as their Technical Advisor for their Year 2000 Energy Conservation Initiative. Supervision of energy study reports for both facility upgrades and new construction, including evaluation of proposed energy conservation improvements and economic analysis.

In addition, his assignments have included:

- Design and construction management for a PLC-based SCADA system for the Port Washington Water Pollution Control District, NY. The system is comprised of RTUs at 15 remote pumping stations communicating with a central station computer.

- Design of Continuous Emission Monitoring (CEM) systems for sewage sludge incinerators for the Westchester County Department of Public Works, NY, and the Port Washington Water Pollution Control District, NY. Duties included preparation of plans and specifications, design of data acquisition computer systems, and integration with facility process controls.

- Design of an air monitoring system for hydrogen sulfide at the odor threshold level for the Westchester County Department of Public Works, NY, including a meteorological station; data logging equipment; and a data acquisition computer system.

- Electrical power and control systems design of municipal wastewater treatment facilities for the Southwest Sewer District, Suffolk County, NY; and the Westchester County Department of Public Works, NY. He has also participated in field services for municipal wastewater treatment facilities for Long Beach, NY; the Great Neck Water Pollution Control District, NY; the Port Washington Water Pollution Control District, NY; and Somerset Raritan Valley Sewerage Authority, NJ.

- Electrical power and control systems design of municipal sewage pumping facilities for the New York City Department of Environmental Protection and the Nassau County Department of Public Works, NY, including: preparation of plans and specifications for the rehabilitation of existing radio and telephone telemetry systems; and design of constant speed and variable speed sewage pump control systems.

- Electrical power and control systems design of water supply facilities for the City of Long Beach, NY; Port Washington Water District, NY; Town of Hempstead, NY; Village of Albertson, NY; Village of Mineola, NY; and the Village of Williston Park, NY.

- Standby generation facility designs. Duties included preparation of plans and specifications for the installation of new diesel and natural gas generator sets, design of automatic and manual load transfer schemes, and construction management (shop drawing review, witness load tests). Projects included pumping stations for the Port Washington Water Pollution Control District, NY; the Great Neck Water Pollution Control District, NY; Town of Hempstead, NY; the Nassau County Department of Public Works, NY; the Village of Massapequa Park, NY; and the Village of Williston Park, NY.

Mr. Neuberger has experience in high voltage distribution design of overhead and underground facilities up to 138 kv. His responsibilities included the computer and manual modeling of voltage profiles, load flow analyses, fault analysis, field data acquisition and analysis, and cost benefit analyses of engineering alternatives for the replacement and upgrading of distribution and substation equipment. He has also performed detailed design of high voltage overcurrent protection systems, and field construction engineering services.

JOINT VENTURE

MILFORD ALEXANDER

Professional Experience

Mr. Alexander is a Construction Inspector with 16 years of experience in Civil/Structural Engineering. His areas of expertise include concrete structures, water main and sewer construction, highways, bridges, buildings, landfills, and water treatment plant construction.

Since joining Dvirka and Bartilucci Consulting Engineers, Mr. Alexander has been responsible for inspecting the reconstruction of existing roadway made of reinforced concrete and asphalt pavement. This work includes: demolition and removal; grading and compaction; shoring and excavation; installation of formwork; placing of reinforce concrete pavement and curb; maintenance and protection of traffic using various traffic control devices; pavement markings; rehabilitation of reinforce concrete weir located below street level; along with this there was the placing, grading and compaction of asphalt pavement to line and grade.

Mr. Alexander inspected the laying and pressure testing of 10" diameter steel pipe in underground tunnel; repairing 4" diameter steel pipe, broken water main; demolition and installation of scum trough and collector drive motors, at various waste water treatment plant, primary settling tanks.

Mr. Alexander monitored the emergency bypass pump/diesel generators at various Department of Environmental Protection Plant Pumping Stations in the aftermath of Hurricane Sandy.

Mr. Alexander is responsible for tracking quantities of various civil/mechanical field construction line items; providing daily upgrades on various emergency work using an electronic communication system; liaison with contractor and client concerning various field construction activities; taking daily progress photograph; ensuring that the contractor was performing field work according to contract drawings and specifications and; generating a computerized daily Inspector's Report.

Mr. Alexander's experience as Construction Inspector includes:

<u>NYC Department of Environmental Protection</u>

Construction Management Services in Connection with Miscellaneous_Projects at Various Bureau of Wastewater Treatment Location

Mr. Alexander was responsible for the inspection of various projects at numerous BWT locations including the Replacement of 57 Tide Gates Citywide project. This work involved multiple layers of coordination including DOT and Port Authority permitting, tidal and low flow wastewater work limitations, gas monitoring and many others. The work was constrained by an EPA consent order and the schedule was met. Mr. Alexander was a Sr. Inspector on this assignment.

Certifications

OSHA 10-Hour Construction

NYSDEC Erosion and Sediment Control Training Course

Years Experience

16

Office Location

Woodbury, NY

Contact

malexander@db-eng.com

Region 10, Long Island – New York State Dept. of Transportation

Duties included:

- Inspect the cleaning, repairing, rebuilding and replacing of existing drainage structures.
- Restoration of landscape, rigid and flexible pavement.
- Maintenance and protection of traffic.

Upgrade of Road and Bridges on I-95 NYS Thruway

Duties included:

- Inspecting the removal and construction of asphalt and concrete pavement, concrete barriers, culverts, drains, bridge deck repairs, traffic signs, pavement markings, wood and metal fencing, guiderails, landscaping and painting.

NYCDEP - Bowery Bay Water Treatment Plant Upgrade

Duties included:

- Inspecting the demolition and construction of various structures made of reinforce concrete, structural aluminum, structural steel, and fiberglass reinforce plastics.
- Structures such as sub stations buildings, fifty feet high process air tower, baffle walls, wet wells, topping slabs, overhead support of 60"Ø process air pipe and electrical conduits, concrete and asphalt pavements, foundation pad and the driving of 10"Ø hallow steel piles.
- Other duties involved, the tracking of time and material quantities for various change order work, the taking of daily progress photographs, generating a daily report, preparing payment and the reviewing of as built drawings.

Pennsylvania Avenue Landfill Project in Brooklyn, NYC.

Duties included:

- Civil and Electrical Inspection Services.
- Inspect the laying of precast concrete pipes, box culverts, and the pouring of various reinforce concrete structures.
- Excavation and shoring of trenches, erection of steel cofferdams adjacent to beach areas; the construction of revetment, sediment ponds, silt fences; and interceptor trench for leachate system.
- Installation of extraction wells, high-density polyethylene pipes, flare stack, hydrants, geomembrane liner, geotextile fabric, gabions, reno mattresses, telephone and electrical cables.

Other project responsibilities as Construction Inspector for various projects include:

- Site inspection for the upgrade, replacement and remediation of underground storage tanks containing hazardous material at various TBTA facilities.
- Site inspection during the restoration of the Concrete Bridge Deck of the Tappan Zee Bridge.

JOINT VENTURE

ABDELHAMED A. ALI

Professional Experience

Mr. Ali's professional experience includes the following:

NYCDDC - E. Houston Rehabilitation – Senior Inspector

The project included the placement of different size of water main pipes, wet connections, service connection, water trunks, sidewalk construction, concrete and granite curb, concrete placement, electric conduits and traffic signals installations, the construction of new four lane roadway pavement, traffic control MPT. Tasks included office work such as reviewing of change order submittals and reviewing shop drawings, processing contractor's monthly payments and attending contract progress meetings.

NYCDOT Green Point Bridge Rehabilitation -Senior Inspector

The contract involved with the removal of the existing steel grid deck and replacement with a precasted steel grid concrete deck. The work also included steel members repairs and replacements, traffic control MPT. The tasks included office work such as reviewing of change order submittals and reviewing shop drawings, processing contractor's monthly payments and attending contract progress meetings.

NYSDOT LIE Bridges Expansion Joints Replacements - Chief Inspector

The project involved with the removal of the existing steel expansion joints of 32 bridges over the Long Island Expressway (LIE) and replacement with elastomeric joints. The work included construction concrete removal, steel joints removal, structure concrete placement, bridge jacking system ,removal and replacement of bridge bearing, traffic control MPT. The tasks included office work such as reviewing of change order submittals and reviewing shop drawings, processing contractor's monthly payments and attending contract progress meetings.

NYSDOT BQE Roosevelt Avenue Roadway Reconstruction - Senior Inspector

The project involved new roadway concrete and asphalt pavements, concrete full depth roadway repairs, sidewalk construction, concrete curb, concrete placement, electric conduits, traffic signals installations, the installation of the ITS camera system, fiber optic conduits installations drainage and catch basin work, MPT traffic and office work. Tasks included office work including reviewing of change order submittals and reviewing shop drawings, processing contract monthly payments, and attending contract progress meetings.

NYSDOT, Route 9A, Where and When Maintenance Repairs – Chief Inspector

The project involved concrete full depth roadway repairs, sidewalk construction, concrete curb, concrete placement, electric conduits and traffic signals installations,

Years Experience

31

Office Location

Woodbury, NY

Contact

abdelhamed@db-eng.com

the installation of the ITS camera system, fiber optic conduits installations drainage and catch basin work, MPT traffic and office work. Tasks included supervising the inspection team during execution of the above activities. Office work included reviewing of change order submittals and reviewing shop drawings, processing contract monthly payments, and attending contract progress meetings.

NYCDOT, Rehabilitation of the Queensboro Bridge - Senior Inspector

Project involved steel member replacement, roadway deck repair; concrete deck foundation placement, expiation joints installations, construction of bridge's new drainage system, manholes, basin, electric and utilities work. Tasks included field inspection, office work included O.O.C. reviews, and monthly payment progress.

NYSDOT, Belt Parkway Sign Structures and Reconstruction, Brooklyn – Chief Inspector

Project involved encompassing the construction of new 14 overhead sign structures. Project also included excavation work, concrete forms, reinforced concrete placement, and steel erection of the proposed sign structures, drainage system installations and electric work. Tasks included field inspection and office work included change order reviewing, shop drawing reviewing, and attending contract progress meetings.

NYC Transit Authority, 240th Street, Subway Yard Rehabilitation, Bronx – Field Design Support

Project involved new steel members erecting, steel repair work ,installation of jacking system, concrete slab removal and reconstruction, retaining wall building and street painting, drainage, water main and utilities work. Duties included field inspection, shop drawing review and change order submittal.

NYCDOT, Williamsburg Bridge, Reconstruction of the Northern Roadways - Team Leader

Project consisted of the demolition and reconstruction of four northern roadway lanes on the bridge approaches and main span and included the removal of the existing structure of excavations, new foundations, concrete placement of columns, pier caps, structural steel erection, the grid deck, new concrete deck placement, the installation of new drainage system and utilities including the inspection of installation of new electric conduits, cables, junction boxes, light poles, the installation of the ITS camera system, fiber optic conduits and steel surface painting. Tasks included field inspection and office work such as changed orders and shop drawing, processing monthly payments, and attending progress meetings.

NYSDOT, Rehabilitation of the Atlantic Bridge, LI, NY- Chief Inspector

Project involved new concrete deck placement, steel members replacement, the installation of jacking system, the installation of the bridge's new drainage system, electric work, bridge steel structure panting. Marine work included the construction of new bulkhead and piers. Tasks included supervision of the inspection team, office work O.O.C., shop drawing review, monthly payments, and progress meetings.

NYSDOT Region 10, Rehabilitation and Painting of Robert Moses Bridge, NY – Chief Inspector

Project involved maintenance and protection of traffic, rigging and scaffolds, bridge's steel structure painting including surface preparation and primary paint coat application, intermediate and finish coats. Led inspection team in performance of painting inspection. Tasks included field inspection for the above contract work, office work, monthly payments, and progress meetings.

JOINT VENTURE

JOSEPH F. BAADER

Professional Experience

As a member of the firm with over 40 years of experience, Joseph Baader has served as Construction Cost and Change Order Specialist for many NYCDEP and other municipal client wastewater treatment plant and pumping station projects. As a result, Mr. Baader is familiar with all civil, process, structural, architectural, electrical, HVAC and mechanical systems and equipment related to the water and wastewater industry. Other types of projects where Mr. Baader has provided these services include transmission lines, distribution systems, sewage collection systems and storage tanks.

Mr. Baader has performed the following duties related to the construction projects described below:

- Prepared detailed construction cost estimates for the preparation of engineer's estimates prior to bidding.
- Analyzed bidding results.
- Acted as Owner's representative in negotiating change orders and construction costs with contractors.
- Developed a cost control system to allow the resident engineering staff, design engineers, Owners and construction managers to analyze and respond quickly to field conditions reflecting cost changes.
- Assisted other Contract Change Control Engineers in preparing cost analysis.
- Maintained project cost files.
- Designer, Project Engineer and Cost Estimator on the rehabilitation of 20 NYCDEP pumping stations.
- Prepared construction cost estimates for improvements to the Bergen Point WWTP sludge dewatering and storage project.
- Designer and Cost Estimator on the $80 million NYCDEP Gowanus Facility Upgrade which included major process, mechanical, structural and architectural work.
- Project Manager and Construction Administrator on construction of two mile long 10-inch high density polyethylene force main project using open trench and horizontal directional drilling techniques for Entenmann's Bakery, Bayshore, New York.
- Chief Cost Estimator on the NYCDEP SCADA System Design for all pumping stations, regulator and waste water treatment plants.

Certification

American Society of Plumbing Engineers, C.I.P.E. – 1998

American Society of Plumbing Engineers, C.I.P.E./CPD – 2000-2008

American Concrete Institute – ACI Certification – 2003

Professional Societies

Water Environment Federation

American Society for Testing and Materials

American Society of Plumbing Engineers

Years Experience

40+

Office Location

Woodbury, NY

Contact

jbaader@db-eng.com

- Field representative on the construction of the temporary and permanent land based and subaqueous City Island force main for the New York City Department of Environmental Protection.

- Cost Estimator on $20.6 million replacement of the 12,000 lineal foot City Island force main between City Island and the Bronx mainland. The project involved design of land based piping and valve chambers, the subaqueous installation of temporary and permanent high density polyethylene piping and the retrofitting and replacement of the existing pumping station's main sewage pumps.

- Construction Manager and Cost Engineer on the upgrade of the Merrick Avenue, Wantagh Park, Alhambra Road and Biltmore Boulevard pumping stations representing a total of $6.0 million in construction for the Nassau County Department of Public Works.

- Cost estimating engineer on the $4.5 million upgrading of the Conner Street and Ely Avenue Pumping Stations for New York City Department of Environmental Protection.

- Designer, Inspector and Cost Estimator on upgrade of Entenmann's Wastewater Pumping Stations including the Main Lift Pumping Station, Bakery Wastewater Pumping Station, Cooling Water Pumping Facility and various sanitary wastewater submersible pumping stations.

- Designer, Inspector and Cost Estimator on the upgrade of the Bayview Avenue, Manhasset Valley and Grist Mill Pumping Stations for the Great Neck Water Pollution Control District. Project involved design of a variable speed system and complete rehabilitation of all mechanical equipment.

- Designer and Estimator on the $22 million expansion of the 4.0 mgd Trickling Filter Plant for Port Washington Water Pollution Control District, New York. Project also included interceptor sewers and complete rehabilitation of two existing pumping stations.

- Design Project Manager and Cost Estimator on the $2.2 million City of Long Beach, Modifications to City Garage, project. Work included a feasibility study and preparation of contract documents for both interior and exterior upgrading of this Bus and Vehicle Maintenance Facility with employee areas.

- Designer and Estimator on the $13 million addition to the Sludge Handling Facilities for Somerset Raritan Valley Sewerage Authority, New Jersey, Project including a new incinerator, rehabilitation of pumping stations, new storage tank and belt press sludge dewatering facilities.

- Designer, Inspector and Estimator on the $28 million expansion of the 4.0 mgd Trickling Filter Plant for Great Neck Water Pollution Control District, New York. Project included force mains, pumping stations, interceptor and outfall sewers.

- Designer and Estimator on the $5 million addition to Sludge Handling Facilities for Northwest Bergen County Utilities Authority, New Jersey. Project included a new 13 ft. diameter fluidized bed sludge incinerator, a truck-in sludge receiving station and a sludge storage tank.

- Designer and Estimator on the Portland-Pomfret-Dunkirk $3 million Sanitary Sewer and Pumping Station Project. Project included construction of sanitary sewers and five pumping stations.

- Designer and Estimator on the $10 million project for sewering the Central Chautauqua Lake Sewer District, New York. Project also included six pumping stations.

JOINT VENTURE

GARRETT M. BYRNES, P.E.

Years Experience
14+

Office Location
Woodbury, NY

Contact
gbyrnes@db-eng.com

Professional Experience

Mr. Byrnes has more than 17 years of experience in the planning and design of wastewater conveyance and treatment facilities for various municipal clients. His detailed experience includes the following:

- New York City Department of Environmental Protection: Gowanus Facilities Upgrade / Brooklyn, NY. Project Engineer for the $60 million upgrade of the Gowanus Wastewater Pumping Station Gowanus Canal Flushing System. The wastewater pumping station upgrade includes expansion to a design capacity of 30 mgd, construction of a 200 mgd CSO screening system, and installation of a 5,500 linear foot force main. The flushing system upgrade includes a screening chamber, hydraulically optimized intake chamber, and three vertical, axial flow, submersible pumps with a design capacity of 300 mgd. Mr. Byrnes' responsibilities included the evaluation of upgrade alternatives, oversight of hydraulic modeling, design of the wastewater and flushing pump systems, modeling of odor emissions, preparation of a facility plan, and the development of contract drawings and specifications.

- Nassau County Department of Public Works: Bay Park WWTP – Modifications to Influent Pumping System / East Rockaway, NY. Project Engineer for the $6 million upgrade and reconstruction of the influent pumping system for a 70 mgd wastewater treatment plant. Mr. Byrnes' responsibilities included flow monitoring, evaluation of upgrade alternatives, preparation of a technical design report, preparation of maintenance of plant operations procedures, and development of contract drawings and specifications.

- New York City Department of Environmental Protection: Reconstruction of Storm Water Pumping Stations, Bronx, NY. Project Manager for the planning and design of the $15 million reconstruction of the Jerome Avenue, Metcalf Avenue, 233rd Street, and White Plains Road storm water pumping stations with design flows ranging from 2 to 20 mgd. Mr. Byrnes' responsibilities included the determination of design flows, evaluation of upgrade alternatives, preparation of facility plans, cost estimating, and development of contract drawings and specifications.

- New York City Department of Environmental Protection: Reconstruction of the Port Jervis Wastewater Treatment Plant and Pumping Stations, Port Jervis, NY. Project Manager for the planning and design of the $25 million upgrade and reconstruction of an existing 2.5 mgd wastewater treatment plant and three sanitary pumping stations. Mr. Byrnes' responsibilities included coordination with regulatory agencies, assessment of existing conditions, evaluation of upgrade alternatives, preparation of a facility plan, cost estimating, and the development of contract drawings and specifications.

- New York City Department of Environmental Protection: Coney Island Water Pollution Control Plant – Chemical and Petroleum Bulk Storage System Upgrades, Brooklyn, NY. Project Engineer for the $8 million upgrade of facility wide chemical and petroleum bulk storage systems to attain compliance with regulatory requirements. Mr. Byrnes' responsibilities included the evaluation of existing conditions and the development of contract drawings and specifications.

- Westchester County Department of Public Works: Yonkers Joint Wastewater Treatment Plant – Sludge Thickening Upgrade Projects, Yonkers, NY. Project Engineer for the planning and design of $4 million in upgrades to existing sludge thickening systems, including the complete upgrade of the existing primary sludge gravity thickening system and the installation of a new secondary sludge gravity belt thickening system. Mr. Byrnes' responsibilities included the preparation of technical design reports, cost estimates, contract drawings and specifications, and construction oversight.

- Bridgeport Water Pollution Control Authority: West Side Wastewater Treatment Plant – Dechlorination Facilities, Bridgeport, CT. Project Manager for the planning and design of a $0.7 million dechlorination system for a 30 mgd wastewater treatment plant to ensure consent order compliance. Mr. Byrnes' responsibilities included the evaluation of dechlorination alternatives, preparation of an engineering report, development of contract drawings and specifications, and construction oversight.

- Suffolk County Department of Public Works: Bergen Point WWTP – Sludge Treatment and Disposal, West Babylon, NY. Project Engineer for the upgrade of existing sludge treatment and disposal systems, including the installation of a new sludge blending system and belt press dewatering system. Mr. Byrnes' responsibilities included the design of sludge pumping and blending systems.

- New York City Department of Environmental Protection: Neptune Avenue Pumping Station, Coney Island, NY. Project Engineer for the planning and design of a 45 mgd sanitary pumping station and dual force mains. Mr. Byrnes' responsibilities included the evaluation of alternative sites, flow monitoring, modeling of odor emissions, and preparation of a facility plan.

- Bridgeport Water Pollution Control Authority: East Side Wastewater Treatment Plant – Odor Abatement Study, Bridgeport, CT. Project Manager for the study of odor emissions from a 12 mgd wastewater treatment plant. Mr. Byrnes' responsibilities included the oversight of a facility wide odor survey, modeling of odor emissions via the USEPA's ISC-ST3 dispersion model, and the evaluation and recommendation of odor containment and treatment systems.

- New York City Department of Environmental Protection: City Island and Marble Hill Pumping Stations, Bronx, NY. Project Engineer for the $10 million upgrade and reconstruction of the 1.5 mgd City Island Pumping Station (sanitary) and the 15 mgd Marble Hill Pumping Station (combined sanitary/storm water). Mr. Byrnes' responsibilities included the evaluation of upgrade alternatives, flow monitoring, cost estimating, preparation of facility plans, development of contract drawings and specifications, and design services during construction.

- New York City Department of Environmental Protection: City Island Force Main, Bronx, NY. Project Engineer for the $20 million installation of a 10,500 linear foot subaqueous wastewater force main performed in two phases as an emergency contract. Mr. Byrnes' responsibilities included the evaluation of the existing force main, determination of cause of failure, investigation of force main installation method alternatives, development of contract drawings and specifications, and construction oversight.

JOINT VENTURE

PETRONILO IBADLIT

Professional Experience

Mr. Ibadlit is a very experienced inspector who brings to the table years of practical experience gained from coordinating and monitoring contractor performance. He has excellent credentials as a project administrator having being responsible for successful completion of many projects in his career. Mr. Ibadlit's professional experience includes:

Electrical Inspector - Project: $150 million Avenue V Pumping Station Upgrade, Including the New Pumping Station and Avenue V Force Main Project, Borough of Brooklyn, NYC

The project consists of upgrading the Avenue V Pump Station and is divided into several stages of work. First installing a temporary submersible pumping system in regulator AVI, Bypass Manhole 2 will encapsulate the 36-inch sanitary line, Bypass Manhole 1 and a wet well extension, removal of the bypass pump system, new wet well extension, new generator fuel tank vault, new generator building, storage building and underground fuel tank, installation of underground utilities, site grading, paving and landscaping. Installation of the bypass channel, Bypass Manhole 3 and a connection to the wet well, shut down the old pump station and construction of the new pump station.

Mr. Ibadlit is responsible for technical review of engineering packages comprised of following systems: power distribution and equipment, illumination, fire alarm and protection, lightning protection and grounding, monitoring and security, data/voice communication and cathodic protection system. Perform engineering and commissioning using PANELBUILDERS 32, QUANTUM, FAUNC, WONDERWARER, MATH CAD, RSVIEW32, CIMPLICITY, PMCS, and VERSAPRO and perform construction inspection for conformance with design and contract specification. Prepare and implement directives for corrective actions. Evaluate modifications, change orders and prepare recommendations for negotiations and approvals. Coordinate and review the CPM schedule and perform all other inspections and evaluations.

Electrical Engineer - Project: DEP Hunts Point Water Pollution Control Plant, Bronx, New York

As an Engineer/Inspector, Mr. Ibadlit was responsible for review and approves electrical and mechanical installation for the sewer treatment facilities; review field changes, assist owner's representative to review invoices and contract change order. He was also responsible for coordinating with owner's representatives, Electrical Consultant and Contractor to ensure quality project closeouts, including timely completion of punch list and resolution of claims. Mr. Ibadlit was responsible for testing and startup of various electrical and mechanical systems during turnover for owner's final acceptance.

Years Experience
38

Office Location
Woodbury, NY

Contact
pibadlit@eb-eng.com

PETRONILO IBADLIT

Electrical Field Engineer – Various Projects: Metro North Railroad, Croton Station, Westchester County, New York; LIPA Generation Project, Bethpage, NY - 49 Megawatt Gas Turbine Power Plant, New York; NY Power Authority, NYC, Harlem River 100 Megawatt Gas Turbine Power Plant

Mr. Ibadlit was responsible for the installation of 13.2 KV transmission line and switchgears, testing and startup; managing the electrical and mechanical contractors. During bid process, his responsibilities included: takeoff estimates and pricing, review of vendor's bid, presentation of bid to owner representatives, final negotiation upon being named an apparent low bidder. During construction, he reviewed and supervised contractor's performance, reviewed and approved monthly invoices, acted as interface with Engineering Consultants and owner's representative to resolve field condition issues and numerous change orders. He was also involved in negotiation of contractor's claims for scope changes.

Field Engineer/Inspector - Project: DEP Newtown Creek Sewer Treatment Plant

As a field Engineer/Inspector, Mr. Ibadlit was responsible for reviewing and approval of electrical and mechanical installation for the sewer treatment facilities and administration and construction management building; reviewing field changes, assisting owner's representative to review invoices and contract change order. He was also responsible for coordinating with owners' representatives, electrical consultant and contractor to ensure quality project closeouts, including timely completion of punch list and resolution of claims. He was also responsible for testing and startup of various electrical and mechanical systems during turnover for owner's final acceptance.

Project Engineer - Project: Department of Sanitation, Freshkill Landfill Gas and Odor Control Project, Staten Island, New York

Mr. Ibadlit was responsible for construction of 13.2 KV transmission line and three 10 MVA substations and three flare stations. During construction, he reviewed and supervised contractor's performance, reviewed and approved monthly invoices, acted as interface with engineering consultants and owner's representative to resolve condition issues and numerous change orders. He was also involved in negotiations for contractor's claim for scope changes.

Electrical Supervisor/ Inspector – Various Projects: Rehabilitation of Three TBTA Bridges, New York City, New York; Construction of Sludge Dewatering Facilities for the DEP, City of New York, Wards Island, New York; Harlem Hospital Center New Ambulatory Care Bldg., New York City, New York; Metropolitan Hospital, State of the Art Neonatal and Delivery Ward, New York City, NY; Reconstruction of Atlantic Terminal, Brooklyn, New York; Street Reconstruction, Merrick, New York; MTA Bus Depot

Mr. Ibadlit was responsible for construction inspection of repairs to substructure and superstructure of the Triborough Bridge, Verrazano Bridge and Marine Parkway Bridge. His responsibilities included supervision of electrical inspectors, overseeing installation of 10 MVA, 13.2 K/4160V and 10,000 KVA, 4160/480V substations, underground high voltage duct bank, MCC's cables and conduits, testing f electrical equipment and start-up engineer. He was responsible for trade contract coordination and installation of three electrical contracts including the tracking of submittal and responses for RFIs; review payment requisitions for work in place. Mr. Ibadlit was responsible for the demolition and construction of the Neonatal Labor and Delivery Suite, Mechanical and Electrical installation. He was also responsible for record keeping and construction inspection of the excavation, sewer, water and drainage system, curbs, sidewalks, concrete and asphalt pavements, and street landscaping. He was responsible for construction inspection during reconstruction of 7,800 LF local residential roadways and supervised all electrical and mechanical installation at various bus garage rehabilitation projects.

JOINT VENTURE

db | KSE

MICHAEL CARROLL, P.E., CEM

Professional Experience

Mr. Carroll is experienced in design and construction for wastewater, water supply and hazardous waste projects. His duties have included designing electrical distribution, control and instrumentation, lighting and fire alarm systems, as well as inspection, shop drawing review and on-site project coordination.

Experience and duties of specific interest include:

- Design and construction activities for a GAC Building for the Town of Hempstead Department of Water. Duties included electrical distribution system and heating system design, and shop drawing review.
- Electrical inspection of 4.3 KV substation upgrade and electrical installations in NYCEP wastewater treatment facilities.
- Shop drawing review of 480 volt switchgear, motor control centers and instrumentation systems for the Great Neck Water Pollution Control Plant, Great Neck, New York.
- Electrical inspection and in-field coordination of conduit routing and installation at the NYCEP Avenue "V", Bay 16th Street Pump Station, Brooklyn, New York.
- Performed load calculations, lighting conservation calculations, voltage drop calculations, and AIC rating calculations for a multitude of projects.
- Shop drawing review of municipal swimming pool chlorination systems for Nassau County, New York.
- Shop drawing review of equipment in industrial facilities, including specialized sensors and monitors.
- Oversee megger testing of existing 480 volt feeder cables at the Bay Park Sewage Treatment Plant, Nassau County, New York.
- Design of photovoltaic power generation systems.
- Performed detailed analysis of building power consumption and conducted a NYSERDA energy study for updated high efficiency lighting and equipment, including power generating micro-turbines.
- Participated in design and construction meetings to discuss project milestones and address construction concerns.
- Designed a 3D model in Revit MEP to coordinate the installation of mechanical and electrical equipment and devices.

Certifications
Certified Energy Manager (CEM)
Revit MEP Training Certification

Years Experience
24

Office Location
Woodbury, NY

Contact
mcarroll@db-eng.com

JOINT VENTURE

THOMAS M. VOSTINAR

Professional Experience

Mr. Vostinar has 28 years of experience in the design, implementation, commissioning, maintenance and operation of a magnitude of industrial equipment and controls. Mr. Vostinar also has 25 years experience working with the NYC Department of Environmental Protection (NYCDEP) and 3 years as a consultant engineer.

As a Facility/Construction Manager, Mr. Vostinar was responsible for the daily operations and engineering activities of a multi-million dollar wastewater treatment facility. He participated in the design, implementation, operation, and maintenance of 27kv and 5kv power distribution systems, 5kv power generation and emergency generation systems, HVAC and odor control systems, pneumatic and hydraulic systems, fluid distribution systems and electronic monitoring and controls systems was essential to ensure uninterrupted operation of facility. His duties included the preparation and review of the facility's budgetary needs for capital and expense requirements; coordination and supervision of the facility's Environmental, Health and Safety Program and safety training, ensuring compliance with Federal and local regulatory agencies; identification and implementation of improvements to the facility's operational and maintenance procedures by applying new technologies and standards; and directly managing the preventive and corrective maintenance of facility's electrical and mechanical systems.

As a Construction/Commissioning Engineer, Mr. Vostinar performed various construction activities with a primary role in contractual compliance, equipment acceptance and testing, system commissioning and project startup. His responsibilities included working in conjunction with Construction Management and Contractors to assist in the design, planning and scheduling of electrical, mechanical and process control systems.

Mr. Vostinar's professional experience includes:

NYCDEP, North River WPCP - Plant Operations Emergency Restoration Commissioning/Startup Engineer

Mr. Vostinar performed emergency services work and restored operations to the North River WWTP after a fire severely damaged the main sewage pumps, process air blowers, influent screening systems, the associated power, control and auxiliary systems, and the necessary life support systems which included the fire alarm, gas detection and communication systems.

Mr. Vostinar was responsible for system restoration of power distribution, life safety, distributed control and HVAC systems as part of the Incident Commanders organizational assignment structure. The primary objective was to assess, prioritize, direct and coordinate all electrical and instrumentation control contractors during the stabilization of the damaged equipment. The subsequent phase was to execute an assessment of the condition and stability of critical equipment and associated

Years Experience
28

Office Location
Woodbury, NY

Contact
tvostinar@db-corp.com

auxiliary systems, and to prepare a determination, defining the scope of temporary electrical work necessary to restore limited operations to the facility and curtail the bypass of raw sewage.

NYCDEP, Hunts Point WPCP - Phase II, Plant Upgrade
Commissioning/Startup Engineer

Mr. Vostinar provided design and construction services for wastewater process control and monitoring system. This included plant-wide instrumentation and distributed control (DCS), medium and low voltage power distribution, power generation, engine/generator instrumentation, synchronization and auxiliary systems. Mr. Vostinar also provided startup and testing technical and engineering support services for electrical, HVAC and process control systems, as well as shop drawing review.

As Project Manager, Mr. Vostinar developed and implemented functionality test procedures utilized to ensure the accuracy and dependability of the SCADA system, without any interruption of plant operations. These procedures resulted in creating a plug and play environment which eliminated the down time of critical process equipment, enhanced the ability to detect and correct control logic issues prior to installation, significantly reduced the installation and commissioning time, and ultimately lead to the recapturing of lost time and the preservation of the project schedule.

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION - BUREAU OF WASTEWATER TREATMENT

Coney Island Water Pollution Control Plant
Senior Stationary Engineer Electric, Deputy Superintendent

Mr. Vostinar's responsibilities included:

- Preparation and review of the facility's budgetary needs for capital and expense requirements.
- Assisted in the design, planning and scheduling of electrical, mechanical and process control capital project.
- Served as the facility liaison for various construction activities, with a primary role in contractual compliance, equipment acceptance and testing, system commissioning and project startup.
- Coordinated and supervised the facility's Environmental, Health and Safety program and safety training, ensuring compliance with Federal and Local Regulatory Agencies.
- Identified and implemented improvements to the facility's operational and maintenance procedures by applying new technologies and standards.
- Managed the preventive and corrective maintenance of facility's electrical and mechanical systems, utilizing Oracle's Computerized Maintenance Management System.
- Maintained and updated new assets, employee information, and the facility's auto-timesheet within CMMS.
- Responsible for the daily scheduling of a staff of 100+ employees, ensuring adequate staffing for a 24 hour / 7 day operation.

Port Richmond Water Pollution Control Plant,
Stationary Engineer Electric, Maintenance Engineer
Mr. Vostinar supervised the electrical and mechanical activities of various trades, 60+ employees, managed the purchasing and procurement system for inventory and equipment needs, and generated of the corrective and preventive maintenance work orders.

JOINT VENTURE

MICHAEL RODRIGUEZ, AIA, LEED-AP

Professional Experience

Mr. Rodriguez serves as the firm's Director of Architecture. He has extensive architectural design and construction management experience with an exemplary record of performance. His professional experience lies in the planning, design and construction management of new construction, as well as additions, alterations and rehabilitation of projects in public and private sector facilities. He has specialized in school work for the New York City School Construction Authority (NYCSCA) and also other school clients.

Mr. Rodriguez has served as Project Manager for residential high-end high-rise condominiums. His daily duties consisted of interfacing with clients, contractors, and supervision of design team members consisting of in-house and external consultant members. Mr. Rodriguez's responsibilities included initial zoning/code evaluation project management, design development, field inspections, space planning, feasibility studies and the preparation and review of specifications. Mr. Rodriguez blended the efforts of the Design Architect and Architect of Record from design into construction of large scale residential buildings, supervised the staff for the construction administration for a Richard Meier designed building, and started the design and construction integration of an 18 story townhouse building as part of a 5 building new residential development.

Mr. Rodriguez's specific project experience is summarized below:

- Residential - One Prospect Park Brooklyn, NY: Project Manager for 15 story 114 unit residential building. Program consisted of 220 space subsurface garage, 1500 sf recreation space, and rooftop public and private terraces. The building will be structurally one building with the adjacent elevator addition to the Union Temple. Numerous code and zoning special conditions were undertaken and approved. Building will consist of flat plate concrete structure and aluminum glass curtain wall. The building will have 20,000 sf of outdoor space via balconies and terraces.

- Residential - "The Edge" Brooklyn, NY: Project Manager for two buildings in a 5 building complex on is a 17 story 94 unit residential building. Program consisted of 300 space subsurface garage, 3500 sf recreation amenity space, and private terraces. Numerous code and zoning special conditions were undertaken and approved. Building will consist of flat plate concrete structure and aluminum glass and brick window wall. The building will have 20,000 sf of outdoor space via the interior court yards. The second building is a low rise moderate income rental apartment building. The building will be constructed of steel frame concrete plank structural floor and brick and block exterior façade.

- Ports/Piers, Port Newark Container Terminal, New Vehicle Maintenance Building, Newark, New Jersey: Designer responsible for the construction documents and post-design development for the maintenance

building in the redevelopment and rehabilitation of the 155-acre container terminal site. Work included the demolition of ten structures totaling more than 300,000 square feet. New construction included an administration building, a maintenance building, and a dispatch/check-in building for International Longshoremen's Association (ILA) personnel. The 33,000-square-foot maintenance building houses the shops necessary to service the straddle carriers and all other vehicles that operate on the site, and contains four bridge cranes, vehicle lifts, a centralized bulk fluids distribution system, spare parts storage, offices, and locker room facilities.

- Economic Development Corporation, Whitehall Ferry Terminal, New York City, New York: Assisted in the development of contract documents for the new Staten Island Ferry terminal. I worked as part of the architect of record team (TAMS Engineers and Architects). Developed plans, sections and details for the new modern design style ferry terminal. I coordinated the in house staff for drawing production.

- New York City School Construction Authority, Limestone Parapet Restoration of Automotive High School, Brooklyn, New York: Mr. Rodriguez was the Project Manager responsible for the project from scope of work to construction documents, to the restoration of the entire parapet wall, approximately 1400 l.f.

- New York City School Construction Authority, Renovation and Rehabilitation of School PS 134K, Brooklyn, New York: As Project Manager, Mr. Rodriguez was responsible for the project from scope of work to construction documents, including the renovation of the student toilets, installation of wood windows and floor to ceiling gymnasium upgrades. He assembled SCA historic school presentation and managed daily team assignments and the design development and construction documents for the project.

- New York City School Construction Authority, Renovation and Rehabilitation of School PS 10SK, Brooklyn, New York: As Project Manager, Mr. Rodriguez was responsible for the construction documents and assigning daily team tasks. The project scope of work consisted of extensive masonry repair and repainting, concrete repair, parapet wall reconstruction, installation of new railing at roof and interior plaster repair and painting. Mr. Rodriguez conducted site investigations and oversaw progress of construction documents and detail development.

- New York City School Construction Authority, Renovation and Rehabilitation of School PS 142M, Manhattan, New York: Mr. Rodriguez was the Project Manager during construction phase services for masonry repair, lintel replacement, addition of relieving angles, installation of new aluminum windows and curtain wall replacement. He was responsible for meeting management (including construction reports), construction documents compliance, and review of submittals and shop drawings.

- New York City School Construction Authority, Restoration of Newcomers High School, Queens, New York: As Project Manager, Mr. Rodriguez was responsible for the project from scope of work to construction documents for the renovations to the roofing projects, repair to exterior foundation cracking, and construction on new enclosures for three small roofs. Duties also included the coordination of the HVAC upgrades throughout the school. Mr. Rodriguez conducted extensive site investigation work, including site visits, initial drawings of elevations and plans, the development of details from the beginning and from existing details, design development, construction documents, and drawing coordination.

JOINT VENTURE

ROBERT J. DeGIORGIO, P.E., CPESC

Professional Experience

Mr. DeGiorgio has 21 years of experience in environmental and mechanical designs for municipal, industrial, wastewater and hazardous waste remediation projects for government, private and industrial clients. His technical expertise encompasses wastewater, remedial and process design, water supply, construction, startup, operations and maintenance, and storm water management. He has managed and supervised a staff of multi-disciplined engineers for a variety of land development, municipal and water projects.

Mr. DeGiorgio's prior experience includes the following:

Sanitary Wastewater, Water Supply and Sewer Systems:

- City of Long Beach, Pump Station Improvements (2007). Mr. DeGiorgio is the project manager and lead engineer for the rehabilitation of three pump stations in the City of Long Beach. Each pump station is rated for 1 to 2 MGD and requires mechanical, structural, electrical and safety upgrades. Design elements include new dry pit submersible pumps, new emergency generators, valve stations, bypass capability, communitors, sluice gates and safety equipment. The construction value is estimated to be $5,000,000.

- Town of High Falls, New York, Mohonk Road Superfund Site: Water Treatment Plant (2007). Mr. DeGiorgio was retained by Watermark Environmental and the USACE to provide commissioning and oversight services for the start up of this 100,0000 gallon per day municipal water treatment facility. The raw water source is the New York City Croton aqueduct. Raw water is treated with gravity multi-media sand filtration, chemical injection and disinfected with chlorine prior to be pumped for finished water storage. Mr. DeGiorgio oversaw the plant commissioning and verified the system was commissioned in accordance with NYS DOH and Ulster County requirements. This included bacteriological testing, equipment start up and shakedown and final report writing. The construction value on this project is about $22 million.

- Planning, Design and Design Services During Construction for Reconstruction of Four Pumping Stations. Mr. DeGiorgio was the Deputy Project Manager for this New York City Department of Environmental Protection (NYCDEP) effort, which consisted of the development of a facility plan and design for the reconstruction of the Bayswater Avenue, 15th Avenue, 122nd Street and New Douglaston Pumping Stations. In addition, the project included the development of reliable efficient and low maintenance operation for each pumping station and the resulting design services during construction for each pumping station. The following aspects of each pumping station were addressed: influent structures; structural/architectural; mechanical and electrical equipment; safety; discharge force mains; tidal gates; utility service; security; emergency generation and pumping; and telemetry.

Professional Societies

Water Environment Federation

New York Water Environment Association (Board of Directors)

American Society of Civil Engineers

NYSPE

Professional Institute of Engineering (PE)

Years Experience

21

Office Location

White Plains, NY

Contact

rdegiorgio@db-eng.com

Land Development and Municipal:

- United Water, New York, Main Extension Designs. Mr. DeGiorgio was the principal in charge of the design and health department approval for various water main extensions proposed by United Water. The work entailed the design of the extension including valves, hydrants, air relief and specifications necessary for Rockland County Health Department approval. Main extension varied in size from 8 inches to 24 inches and varied in length from 1,000 feet to 10,000 feet.

- WP3 Residential Land Development, Water Supply Design. Mr. DeGiorgio was the principal in charge of the investigation and design of a water supply system for a 450 unit development project in Woodbury, New York. A yield of over 400 GPM of new well water source was developed for the project. The project included two 200,000-gallon storage tanks, three booster stations and approximately 10 miles of water main designed to serve in three primary pressure zones. Wastewater upgrades included the expansion of an existing 100,000 GPD extended aeration plant to a 370,000 GPD membrane bioreactor plant.

Industrial Wastewater:

- Wastewater Treatment Plant. As Project Manager, Mr. DeGiorgio provided engineering and operating services for a 50 GPM wastewater treatment facility. He served as a lead operator by reviewing daily operations, making recommendations to optimize system performance and reviewing as built details. Responsibilities included process review and optimization, operation and maintenance manual preparation, developing preventive maintenance programs, process hazard analysis and operator training.

- NASA, John F. Kennedy Space Center, Florida. Mr. DeGiorgio was responsible for the preparation of technical specifications for a low temperature condensation prototype system for the application of nitrogen tetroxide vapor recovery and emission control during loading and transfer operations.

Storm Water:

- Storm Water Pollution Prevention Planning. Mr. DeGiorgio authored and directed over a dozen storm water pollution prevent plans (SWPPPs) for a variety of land development, wastewater and industrial projects. Areas of disturbance varied from 1 acre to over 500 acres and plans typically included erosion and sediment control design, water quality and quantity assessments and post construction maintenance plans.

Remediation:

- Metro-North Railroad (NY), Construction Management. Mr. DeGiorgio was the Project Manager for the oversight of the construction of a $1,000,000 soil vapor extraction/air injection remediation system. Responsibilities included oversight of the daily construction, monthly reporting, field construction decisions, quality assurance reports and shop drawing review and tracking.

- New York State Department of Transportation, Soil Vapor Extraction/Air Sparging System. Mr. DeGiorgio was the Project Manager for the design, construction, and operation and maintenance of a SVE/AS remediation system at this former UST site. Responsibilities included plan and specifications development for landfill cap system maintenance and sparging system, construction oversight and system operation and maintenance.

JOINT VENTURE

STEPHEN M. DUDAR, P.E.

Professional Experience

Mr. Dudar has over 30 years of experience as a Civil Engineer, including 27+ years of experience working for the New York City Department of Environmental Protection (NYCDEP). He is a Professional Engineer with many years of hands-on experience in field construction and engineering. Mr. Dudar has extensive construction background in all major fields with a proven ability to meet strict court imposed Consent Decree Order deadlines. He effectively manages and communicates, both in writing and verbally, with contractors and City agencies. He has represented the NYCDEP regarding all construction related matters, policy, personnel affairs and budget issues.

While at the NYCDEP, Mr. Dudar held various positions including Executive Construction Manager, Site Project Manager/Resident Engineer, and Chief of the Bureau of Engineering Design and Construction's (BEDC's) Engineering Standard Division. As Chief of Engineering Standards, he was responsible for:

- Developing business practices (or work flows) to improve and document NYCDEP's capital delivery processes.
- The development of all the CM Standard Operating Procedures (SOPs) and converting the BEDC Project Delivery Manual into Design SOPs.
- Working with the BEDC Specification Section to improve contract language prior to bid of contracts.
- In charge of the effort to perform 36 Quality Assurance/Quality Control site audits.
- Performed SOP training.

Specific projects that Mr. Dudar was responsible for included:

- Owls Head Upgrade
- Newtown Creek Upgrade
- Croton Filtration Plant
- Hillview Reservoir Projects
- 26 Ward Upgrade
- Bowery Bay Upgrade
- Avenue V Pump Station and Force Main CSO Project

Prior to working with the NYCDEP, Mr. Dudar has experience as an Equipment and Facilities Engineer where he developed procedures in support of commercial nuclear power plants. He has prepared both onsite and offsite Emergency Planning Procedures for the Zimmer Plant (CG&E), the Marble Hill Plant (PSI), and the

Professional Societies
Construction Management Association of America (CMAA)

Years Experience
30+

Office Locations
White Plains, NY
Woodbury, NY

Contact
sdudar@db-eng.com

Shoreham Plant (LILCO). He has also prepared document control procedures for the Salem (1 & 2) and the Hope Creek Plants (PSE&G).

As a Project Procurement Coordinator, Mr. Dudar's primary duties included coordinating activities of the Traffic, Inspection and Buying Groups in the Purchasing Department to ensure optimum resolutions and decisions during the engineering/construction of a process plant (especially in QA/QC issues).

As an Application Engineer, Mr. Dudar performed the following engineering tasks:

- On rotary lobe and screw compressors, sized units by calculating discharge temperature, temperature rise, compression ratio, ACFM, BHP, speed noise level, slip displacement, and specific gravity.
- Determined if process gas would be harmful to unit, and, if so, suggested design alternatives.
- Calculated two-stage systems, if required.
- On process centrifugal compressors, chose the type of compressor to fit the process based on specifications, efficiency requirements
- Used the process curve to determine the type of compressor curve to quote; worked with the factory Design Engineer in designing the System.

As a Career Development Trainee, Mr. Dudar performed the following engineering tasks:

- Designed water treatment programs for HVAC systems
- Designed chemical injection systems and chose the type of chemical.
- Subjects covered included: boiler scale control, chemical cleaning of boilers, slime and algae control of cooling towers, and acid cleaning of cooling water systems.
- Visited equipment and boiler rooms to inspect the equipment for water treatment and performed take-offs.

JOINT VENTURE

db | KSE

ROLAND J. FESEL

Professional Experience

As a Senior Resident Engineer and Inspector, Mr. Fesel has abundant construction management experience. Presently, Mr. Fesel is the Construction Liaison for the Tallman Island WPCP Plant Upgrade. The $400 million upgrade includes modification of the existing aeration tanks from step feed to full BNR capabilities. The upgrade also includes a new return sludge pumping station and blower building, a 27KV Substation, replacement of the MSPs, a new force main from the MSPs to the Primary tanks, replacement of the digester roofs, thickener pumps, process air header, service boilers and numerous miscellaneous items. Mr. Fesel coordinates the contractor's work as it effects plant operations and consults with plant management to avoid plant upsets. In addition he reviews contract drawings and documents for overlooked items and possible safety concerns. Mr. Fesel develops relationships between New York City Department of Environmental Protection (NYCDEP) operations, construction management and the construction contractor to improve the flow of work and communications.

Mr. Fesel has been a Resident Engineer on NYCDEP Kensico fluoride feed installation. His previous assignment was Assistant Resident Engineer on the Inner Harbor Regulator Improvement Project. In addition, he has a thorough knowledge of mechanical, structural and electrical design criteria for wastewater projects. He has provided design recommendations and constructability review on the Neptune Pumping Station, Gowanus Pumping Station and Flushing Tunnel and the Pumping Station Design Guideline document. He prepares and reviews construction cost estimates and manages change order preparation processing.

As a wastewater treatment plant operator and senior stationary engineer, Mr. Fesel has 30 years of experience in many wastewater treatment plants and collection systems. Prior to his association with the firm, he worked for the NYCDEP as Superintendent of Collection Facilities and as an Assistant Plant Chief of the Newtown Creek WPCP. While with the NYCDEP, Mr. Fesel oversaw numerous construction projects as an inspector and an operations advisor. Mr. Fesel understands the NYCDEP operation and start up protocols and has participated in many DEP operator training seminars.

Mr. Fesel also was Acting Supervisor of the Great Neck Water Pollution Control District for nine months where he prepared and reviewed construction cost estimates and managed the operations of the treatment plant, pumping stations and sewer collection system.

Mr. Fesel oversaw various construction projects at the Newtown Creek Water Pollution Control Plant while being Assistant Plant Chief and contributed to the initial phase of the current upgrade. He was also involved with discussions with Senior DEP personnel on flow control options for the Newtown Creek WPCP upgrade.

As Chief of Collection Facilities,North, Mr. Fesel's headquarters (for eight years) was located at the Tallmans Island WPCP. He is thoroughly familiar with NYCDEP

Certifications

New York State SPDES Plant Operator

New England Water Environment Association – Grade II

OSHA 10-Hour Construction Safety

Awards

New York Water Environment Golden Manhole Award

Years Experience

30+

treatment plant processes, equipment and layout, and the plants personnel. Often Mr. Fesel was called upon to assist the plant in solving some of their emergencies including in-plant operating problems and the failure of their Powell's Cove pump station.

The Tallmans Island drainage area was Mr. Fesel's responsibility for approximately 15 years and Mr. Fesel worked the area for at least 20 years. He oversaw the construction of the Flushing Bay Retention Facility Phase 1 and 2, which pumps CSO to the Tallmans Island Plant.

Mr. Fesel performed construction inspections of the Inner Harbor project for the last 2 years where he was Resident Engineer and supervised the inspectors, reviewed their reports and performed his own inspections on mechanical, electrical and structural improvements. Mr. Fesel was also involved in monitoring the Contractor's schedule, MOPO and procedures to avoid problems with poor maintenance of traffic and pedestrian safety.

His previous work also included:

- NYCDEP Pump Station Construction Projects
  - Newtown Creek (initial phases)
  - Tallman Island WPCP Process Analysis
  - 108th Street Pump Station
  - Jerome Avenue Pump Station
  - White Plains Pump Station
  - Little Neck Pump Station
  - Commerce Avenue Pump Station
  - City Island Pump Station and Force Main
  - Zerga Avenue Pump Station
  - Gildersleeve Pump Station
  - Clearview Pump Station
  - Marble Hill Pump Station
  - Hunts Point Food Market Pump Station

- NYCDEP Combined Sewer Overflow (CSO) Projects
  - Corona Avenue Vortex Facility Prototype Swirl Concentrators for Combined Sewer Overflow
  - Flushing Bay Retention Facility – Phase 1 and 2

- NYCDEP Construction Constructability Review
  - NYCDEP Alley Creek CSO Storage Facility
  - NYCDEP Inner Harbor CSO Facilities
  - NYCDEP 9A Project
  - NYSDEC Hutchinson River SCO Facility

- NYCDEP Construction Inspection/Assistant Resident
  - NYCDEP Inner Harbor CSO Facilities
  - Newtown Creek
  - Flushing Bay Retention Facility
  - Corona Avenue Vortex Facility
  - All Pumping Stations and CSO Construction
  - Kensico Reservoir Fluoride Facility

JOINT VENTURE

THOMAS P. FOX, P.G.

Professional Experience

Mr. Fox has over 25 years of experience covering a broad range of soil, surface water, and groundwater investigations and remediation projects involving hazardous waste and petroleum contaminated sites. Through his work, Mr. Fox has gained extensive experience in managing complex, multidisciplinary projects. In addition to project management, Mr. Fox's responsibilities include proposal development, client and legal counsel liaison, and contract negotiations. His responsibilities also include negotiations with regulatory agencies and developing cost-effective remediation strategies for sites containing a wide array of contaminants. Mr. Fox is very experienced in development of bid specifications for subcontractor procurement, as well as the management of subcontracts.

Mr. Fox's technical responsibilities include the planning and management of site investigation and remediation assignments including remedial investigation/feasibility studies (RI/FSs) of state and federal Superfund sites. His technical skills include: developing cost-effective studies to assess the impact of a wide range of contaminants on the environment, wildlife and human health; assessing fate and transport of contaminants within complex hydrogeological settings; developing geochemical approaches to better define the nature and extent of groundwater and surface water contamination; and performing aquifer tests needed to design groundwater pump and treat systems. Mr. Fox has extensive experience in dealing directly with federal, state and local level environmental regulatory personnel on a wide range of projects. In addition, Mr. Fox has managed and performed numerous Phase I and II environmental site assessments and underground storage tank (UST) closure programs. He has completed and managed more than 160 environmental assessments and audits for commercial and industrial properties on Long Island, New York; New York City; New York State; Connecticut; Pennsylvania; and New Jersey.

Mr. Fox served as project manager and lead technical specialist on a LIRR project involving the investigation and remediation of mercury contaminated soil at 20 electrical substations under the NYSDEC Voluntary Cleanup Program and included. The soil contamination was associated with the historical use of mercury rectifiers as part of the electrified rail system. The project included the collection of surface soil, subsurface soil and groundwater samples for chemical analysis and an exposure assessment to identify potential human health and environmental exposure pathways. Additionally, the LIRR project included the investigation and remediation of several dry wells and cesspools located a t each of the substations as part of the USEPA Underground Injection Closure (UIC) Program. The project also included the development of a Remedial Action Work Plan (RAWP) for each substation and the development of remedial design specifications and remediation oversight at 6 of 20 substations. As the project progresses, additional substations will be remediated in the future.

Working for a confidential client, Mr. Fox served as project manager and senior hydrogeologist for a groundwater investigation project located in Glenwood Landing,

Specialized Training

40-hour OSHA Certification

Hazardous Waste Assessment and Remediation Courses, Irvington, Vermont

Geothermal Training Course, Heat Source Energy, Elizabeth, NJ

Groundwater Hydrology and Pollution, Princeton, New Jersey

Groundwater Remediation, Orlando, Florida

Hazardous Waste Management, Summit Environmental Inc.

40-hour Health and Safety Training for Hazardous Waste Sites, USEPA

8-hour Hazardous Waste Supervisory Training

Railroad Worker Protection Training

Years Experience

25

Office Location

Woodbury, NY

Contact

tfox@db-eng.com

New York, which involved conducting a record review and several phases of field investigations to determine the likely source of groundwater contamination that was discovered on the client's property. The groundwater contamination consisting of chlorinated VOCs, primarily PCE - a common dry cleaning solvent, was not typical of the client's historical and current site operations. Furthermore, extensive on-site investigations conducted by others failed to identify any on-site source of this contamination. Regardless of these facts, the NYSDEC was requiring the client to remediate the contamination. The record search completed by D&B identified at least four potential sources of the chlorinated VOCs located within a mile and upgradient of the client's site including three dry cleaning businesses. In addition, groundwater sampling performed by D&B as part of the project identified a chlorinated VOC plume at least one-half of a mile in width that could not have originated from the client's property based on regional hydrogeology. Despite this compelling evidence, the NYSDEC would not release the client from the responsibility of remediating the contamination. As a final effort to support our position, a computerized groundwater model was developed for the site and surrounding area that was used to simulate groundwater flow and contaminant migration. The groundwater model clearly supported D&B's position that the observed contamination could not have originated from the client's site but could have come from one or more of the suspected upgradient sources. The results of the modeling effort were provided to the NYSDEC in October 2009. As of January 2010, the NYSDEC has yet to provide the client with a final decision as to remediating the identified groundwater contamination.

As part of the New York State Environmental Restoration Program (ERP), Mr. Fox served as project manager and lead hydrogeologist for the investigation of a former MGP site located near the Hudson River in Cold Spring, New York. Working for the Village of Cold Spring, the firm performed a subsurface investigation within and downgradient of the former MGP site. Mr. Fox worked closely with the NYSDEC project manager in the development of the investigation scope which included the collection of 8 surface soil samples, the advancement of 25 soil borings by Geoprobe, and the installation of 5 groundwater monitoring wells also by Geoprobe. Indoor and sub slab air samples were also collected in order to assess the potential for vapor intrusion occurring in a nearby building. The investigation also included the collection of sediment samples from the Hudson River to determine if the river had been impacted. Based on the investigation results, Mr. Fox developed an exposure assessment, which in turn was utilized in the development of site-specific remedial action objectives. A remedial strategy was developed for the former MGP based on the remedial action objectives and an evaluation of remedial technologies. The selected remedy included the excavation and off-site disposal of the most heavily impacted soil in and around the former MGP site along with long term monitoring of downgradient groundwater.

Under contract with the Long Island Railroad (LIRR), Mr. Fox served as project manager and lead technical specialist for a Site Investigation/Remedial Alternatives Study conducted at an unregulated landfill located in Yaphank, New York. The project was completed under the NYSDEC Voluntary Cleanup Program and included the completion of 58 soil borings, the collection of surface and subsurface soil samples for chemical analysis and the collection of 12 groundwater samples from existing monitoring wells for chemical analysis. The project included an exposure assessment to identify potential human health and environmental exposure pathways. The project included the completion of an IRM in order to mitigate off-site exposure pathways. As part of the Remedial Alternatives Study, an evaluation of potential remedial alternatives for final site closure was completed. Based on this evaluation, it was determined that capping the site, improving site security and the implementation of land use restrictions would be the most appropriate remedial actions for the permanent closure of the site.

JOINT VENTURE

JOSEPH GARIBALDI

Professional Experience

Mr. Garibaldi has over 32 years of experience in the operation, construction and inspection of wastewater, water treatment plants, water mains, force mains, storm water drains, well stations, sewage lift stations, which included pumps, compressors, blowers, metering equipment, controls and electrical systems. His recent experience includes the following:

- Plant Superintendent – 26th Ward WWTP: Mr. Garibaldi was in responsible charge of all aspects of the 26th Ward WWTP, the 26th Ward Dewatering Facility and the Spring Creek AWWTP. His areas of responsibility included, but were not limited to, operations, maintenance, dewatering, budgeting, safety, labor relations, public relations, construction coordination, administration, process, personnel management and logistics. He established operational and maintenance procedures for all assets while constantly implementing changes necessary to improve efficiencies throughout the facility. Mr. Garibaldi was designated as the responsible individual with regard to all environmental health and safety matters throughout the facility and ensured compliance on various issues with oversight agencies. He worked closely with the agency, engineering consulting companies and construction companies in all facility construction projects and was responsible for a total personnel count of approximately 100 New York City Department of Environmental Protection employees.

  Some of the construction projects that Mr. Garibaldi was heavily involved with encompasses categories such as, but not limited to: new electrical feeders, substations, electrical switchgear, circuit breakers, new and re-building of boilers, new main sewage pumps, new engine/generators and main plant mechanical upgrade. These projects took place in the three sites that Mr. Garibaldi was responsible for, the 26th Ward Plant, the Dewatering facility at 26th Ward, and the Spring Creek CSO facility. In addition, Mr. Garibaldi operated and was involved in improvements to the sludge digestion systems.

- Deputy Plant Superintendent – 26th Ward WWTP: Under the general direction of the Plant Superintendent, Mr. Garibaldi performed all the functions associated with the position of Deputy Plant Superintendent, including maintenance, operations, logistics, purchasing, budgeting, and public relations. He was in direct charge of the 26th Ward Dewatering Facility for approximately one and one half years. During this assignment, he successfully accomplished some pre-planned goals, such as 5 day operation, maintenance on the watches, implementation of the "prime" computer system and increased productivity and discipline. Mr. Garibaldi was also successful in making some simple modifications to equipment to return necessary units to service thereby avoiding large financial outlays by the agency. He was an "empowered" user of the FISA Purchasing System and was involved with numerous projects, including design of capital improvements and upgrades to various plant systems. He planned and

Years Experience
30+

Office Location
Woodbury, NY

implemented some major "contracting-in" jobs at the plant, including the transferring of the unused Oakwood Beach gas compressors to 26th Ward. He was involved in numerous bureau committees such as re-engineering, automation, electrical training, electric work allocation and defining maintenance.

- Deputy Chief – Collection Facilities South: Under general supervision of the Chief, CFS, Mr. Garibaldi operated Collection Facilities South for the Bureau of Clean Water. His duties and responsibilities included: preparation and implementation of the CFS budget, scheduling, management of the MRS system, setting priorities and long range plans for modifications to CFS facilities, purchasing to meet CFS needs, public relations, direct supervision of CFS Headquarters and crew chiefs (SEEs). Locations included Paerdegat PS, Gowanus PS, Staten Island Crew Quarters, Avenue V PS, all southern NYC regulators and tide gates, 38 unmanned pumping stations and a total personnel count of approximately 60. Other areas of Mr. Garibaldi's direct involvement included: collaboration with various New York City and other governmental agencies under normal and emergency situations that occurred in the operation of CFS, consultations with various private construction companies to discuss and/or amend design and engineering of various upgrades to CFS facilities, all other duties and responsibilities generally associated with the Deputy Chief position for the Bureau of Clean Water, DEP.

- Maintenance Engineer – Newtown Creek WPCP: As the Maintenance Engineer at the Newtown Creek WPCP, Mr. Garibaldi was in charge of all the maintenance at the plant including setting priorities and establishing procedures for all the maintenance work. His duties included teaching subordinates the "how to" on various maintenance jobs necessary at the facility. Mr. Garibaldi maintained all the PM and CM records, oversaw the cost accounting system and records, handled all equipment status reports including Vehicle Status and Container Surveys, he was responsible for entering data during the initial stages of computerization of the MRS, cost accounting and other systems. He also was responsible for the tool room and all the pertinent data including parts and inventory records. In addition, he worked with engineers and contractors in the installation of new equipment and became familiar with the functions of this equipment with regard to process as well as electro-mechanically. He was very involved with the purchasing of parts and supplies for that facility.

- Stationary Engineer Electric (Newtown Creek WPCP): As the steady day Engineer at the Newtown Creek WPCP, Mr. Garibaldi's duties and responsibilities were widely varied. Being an S.E.E. "on the board" in a power generating plant, he developed an expertise in the concept as well as the practicality of electrical generation and power distribution. He gained the experience of an emergency automatic shutdown and the intricate process of restoration of power, or putting the plant "back on line". In the area of prime movers, Mr. Garibaldi gained a working knowledge of large diesel engines, specifically the Enterprise 2800 HP, 12 cyl. duel fuel engine. He worked closely with the lead machinist in the development of an excellent safety check program. His electrical troubleshooting abilities as well as his knowledge of various circuit breakers, transformers, etc., was sharpened due to his experience at Newtown Creek. In addition, the plant's treatment process was quite unique compared to other plants, and therefore, broadened his concept of troubleshooting various process problems.

JOINT VENTURE

db | KSE

JAMES HARLEY

Professional Experience

Mr. Harley is a Civil Engineer with eight years of experience in water supply, civil engineering and surveying. Mr. Harley's experience also includes the preparation of documents necessary for New York City agency approvals, including but not limited to, New York City Department of Environmental Protection (NYCDEP) and the New York City and State Department of Transportation (NYCDOT & NYSDOT). The following is a summary of Mr. Harley's relevant project experience:

- Village of Sands Point Department of Water – Project Engineer for the construction of a new 600 gpm water supply well and the associated treatment facilities. Treatment includes greensand filtration for iron & manganese as well as chemical feed facility upgrades.
- Long Island American Water Corporation – Project Engineer for the construction of a new 1,400 gpm well to replace the existing Well 2-1. The project included well construction and permitting from Nassau County Department of Health (NCDH) and New York State Department of Environmental Conservation (NYSDEC).
- Long Island American Water Corporation – Project Engineer for the construction of a new 1,400 gpm well to replace the existing Well 15-2. The project included well construction and permitting from Nassau County Department of Health (NCDH) and New York State Department of Environmental Conservation (NYSDEC).
- Town of Hempstead Department of Water – East Meadow Water District – Design and construction of a 4.0 MGD Granular Activated Carbon (GAC) filtration system for Wells 1 and 3. The project included replacement of well pumps and permitting with Nassau County Department of Health (NCDH).
- Water Authority of Great Neck North (WAGNN) – Project Engineer for the design of a 6.0 MGD packed tower aeration system for the Community Drive Station. Project included pump replacement and chemical facility upgrades. Permits from Nassau County Department of the Health (NCDH) were required.
- Port Washington Water District (PWWD) – Project Engineer for the design of a 1,200 gpm Nitrate Treatment Facility for the Well 4 Station. Project included well pump upgrades, chemical facility modifications, sanitary sewer connection and drainage improvements. Permits were required from the Nassau County Department of Health (NCDH), Port Washington Water Pollution Control District (PWWPCD), Village of Flower Hill and the Nassau County Department of Public Works (NCDPW).
- Port Washington Water District (PWWD) – Project Engineer for the design of 10,000 feet of 8 inch water main in the Manhassett Isle area. Project includes permitting with the Nassau County Department of Health (NCDH) and local road restoration permits.

Professional Societies

American Society of Professional Engineers

Long Island Water Conference

American Water Works Association

Years Experience

8

Office Location

Woodbury, NY

Contact

jharley@db-eng.com

JAMES HARLEY

- J.P. Morgan Chase, 270 Park Avenue, New York, NY - Project Manager responsible for rehabilitation project of the international headquarters of J.P. Morgan Chase. Responsibilities included designing and overseeing construction of the new plaza, including all sidewalk, stonework, waterproofing, landscaping, drainage, etc. Project involved coordination with Metro North, New York City DOT, as well as other design consultants.

- Citigroup Crosswalks, Long Island City, NY – Project Manager responsible for the design of pedestrian security project for the safety of Citibank employees commuting between their two facilities. Responsibilities included overseeing all design and coordination work for proposed pedestrian island, traffic signal coordination and crosswalks for Citigroup's Long Island City #1 and #2 buildings.

- Promenade South (West Side Highway – Lower Manhattan), New York, NY - Design Engineer responsible for design of drainage system throughout the project, as well as designing water main system. Work also included the creating and re-design of bikeway alignment. Responsible for all submissions to the NYCDEP.

- Route 9A (West Side Highway – Lower Manhattan), New York, NY – Engineer responsible for all utility designs throughout the project. Assisted with design of roadway.

- Brooklyn Queens Expressway (Queens Blvd. To Broadway), Woodside, NY - Engineer responsible for assisting in the design of proposed utilities. Responsible for estimation of quantities such as utilities and earthwork quantities.

- Kings Plaza Builders-Pavers Plan (Flatbush Ave.), Brooklyn, NY - Design Engineer responsible for design of new bus terminal at Kings Plaza. Work included design of drainage system and striping layout. Responsible for estimation of quantities throughout the project.

- South Ferry Terminal Project, New York, NY - Design Engineer responsible for locating and re-designing of existing utilities. Work included design of sewer, electric, telephone, gas, and water mains. Responsible for all restoration design and drawings.

- 57th Street MTA Elevator, New York, NY - Design Engineer responsible for all utility relocation and coordination, as well as maintenance and protection of traffic designs. Work also included all grading design for affected sidewalks.

- Artemis Construction (Project Manager) New York, NY - Internship where duties included overseeing rehabilitation of apartment building. Designated as Project Manager and handled all construction aspects related to the project, including coordination of all subcontractors involved, such as electricians, plumbers, masons, laborers, etc.

- Charleston Bus Annex, Staten Island, NY – Utility and roadway improvements to accommodate the proposed MTA Bus Depot. Responsibilities included design and profiling of utilities, coordinating the environmental impact and marshland mitigation for the proposed sewer outfall, and coordinating and preparing submissions for all roadway design with adjacent owners and various Agencies.

- LOMTO, Woodside, NY – Provide service for the proposed LOMTO Federal Credit Union facility. Responsibilities included design of all utility work, parking lot grading, and sidewalk restoration.

- Columbia University, New York, NY – Responsible for all design of sewers, water mains and gas mains for Columbia University's Manhattanville campus.

JOINT VENTURE

ALAN SCOTT HARVEY

Professional Experience

Mr. Harvey has 14 years of experience in Construction Consultation and Site Safety. For the past 7 years, Mr. Harvey has gained hands-on experience as a Site Safety Representative. His responsibilities consist of being on-site during all working hours supervising, conducting Job Safety Training meetings and responsible for implementing the Health and Safety Plan of a $115 million rehabilitation project at an operating New York City waste and water treatment plant. Mr. Harvey managed staff to ensure that appropriate personal protective equipment is available and utilized at all times, monitored daily site operations for compliance with the Health and Safety Plan (HASP) and identified hazards and protect employees from these hazards until corrective actions can be implemented by safety professionals. Mr. Harvey was also responsible for coordinating safety inspection activities with the Resident Engineer, completing accident and incident reports and completing daily checklists to validate compliance with safety rules and regulations.

Throughout his career, Mr. Harvey has accrued 7 years of experience in Construction Consulting, which includes but is not limited to, consulting with architects and customers on design plans for residential home improvements, and managing all aspects of the project including design, estimating, planning and construction. Mr. Harvey was also responsible for performing framing, remodeling, wall replacement and other construction related to remodeling residential homes, calculating the cost of materials for each project and lastly purchasing of necessary materials and equipment to complete each project while staying within the allotted budget.

Throughout his years of experience, Mr. Harvey has developed strong verbal communication skills as well as strong writing communication skills with staff, customers, Resident Engineers, Architects and more.

OSHA 30 hour Construction Safety and Health Training Course in Construction Safety and Health

40 Hour HAZWOPER

OSHA Lock Out/Tag Out Training

OSHA Arc Flash training

NYC DOB 4 HR Supervisor Scaffold User Certificate

Confined Space Supervisor

OSHA 510

Years Experience

14

Office Location

Woodbury, NY

Contact

aharvey@db-eng.com

JOINT VENTURE

FREDERICK HAUSMANN

Professional Experience

Mr. Hausmann has experience in the following:

Croton Water Tx. Plant/Off Site Contract CRO-312OS-G: (Value $98,000,000.00)

- Site Safety Representative for NYC Department of Environmental Protection project CRO-312OS-G.
- Regulated procedures for the abatement, storage and disposal of Hazardous/Non-Hazardous materials and Universal Waste.
- Maintained compliance with NYC agencies by obtaining appropriate permits.
- Supervised confined space entries on a daily basis and maintained compliance with OSHA and DEP.
- Developed and Maintained aggressive respiratory protection program.
- Responsible for evaluating safety and health program and implement improvements where appropriate.
- Handled responsibilities of providing safety guidelines and compliance through health and safety training programs.
- Perform the tasks of identifying and evaluating hazardous materials.
- Responsible for eliminating incidents by implementing Root Cause Corrective Actions.
- Performs evaluation of compliance through on-site reviews on a daily basis.
- Maintained Material Safety Data Sheets (MSDS) on chemicals used in the workplace and evaluated methods of reducing employee exposure.

Avenue V Pumping Station Force Main Contract PS-79: (Value $97,756,000.00)

- Site Safety Representative for NYC Department of Environmental Protection project PS-79 F.
- Ensured company compliance with OSHA, FDNY, DOT, DOB, EPA and DEP policies.
- Identified all hazards associated with work tasks and developed JHAs (Job Hazard Analysis) to eliminate or reduce the workers exposure.
- Maintained compliance and reported monthly for Local Law 77.
- Performed regular audit to maintain compliance with EPA's SWPPP.
- Regulated the storage and handling of all flammables, combustibles and chemicals and maintained appropriate MSDSs.

Years Experience

5+

Office Location

Woodbury, NY

Contact

fhausmann@db-eng.com

- Inspected work locations on daily basis and took corrective actions for all environmental and safety related issues.
- Maintained an overall safety rating of 99.0% with ETASC.
- Conducted weekly audits with ETASC.
- Conducted weekly safety meetings.
- Ordered and provided training for all PPE and safety equipment required to complete work task safely.
- Issued Hot Work permits and regulated Safe Hot work procedures.
- Maintained and calibrated air monitors.

Manhattan Water Tunnel 538C: (Value $120,000,000.00)

- Responsible for the over sight of 85 employees consisting of Carpenters, Laborers and Sandhogs by ensuring that company procedures and policies are adhered to in addition to DEP policies while maintaining OSHA, FDNY, DOB, DEC and DOT compliance.
- Prepare and review job hazard analysis with crews in order to provide a thorough understanding of the work activity and the potential hazards associated.
- Responsible for Environmental, Health and Safety training of employees.
- Conducted investigations for accidents and documented findings.
- Conducted Environmental and Safety audits.
- Responsible for safety and environmental engineering.
- Conducted weekly safety meetings.

Newtown Creek Contract 32G: (Value $195,000,000.00)

- Site Safety Representative for NYC Department of Environmental Protection project 32G.
- Responsible for the assessment and enforcement of all safety, health and environmental policies.
- Conducted weekly safety meetings.
- Researched FDNY, DOB and OSHA codes/standards to ensure compliance with changing standards and regulations.
- Developed site/job specific safety measurements.
- Wrote daily and monthly safety reports.
- Developed and regulated an aggressive property loss prevention/management program.
- Conduct investigations for accidents and documented findings.

JOINT VENTURE

FREDERICK W. HOEFFNER

Professional Experience

Mr. Hoeffner has over 25 years of diverse experience in construction management and inspection, emphasizing civil projects. This includes mechanical piping, excavation, sheeting, dewatering, concrete, bridge painting and rehabilitation, roadwork, drainage, sewers, parking lots and recreational/park facilities. He has a multifaceted perspective and broad understanding of all trades and project needs. Mr. Hoeffner has comprehensive knowledge in civil construction techniques and civil engineering, and a proven ability to meet stringent specifications, regulatory factors and deadlines. Mr. Hoeffner has consistently ensured the most productive, cost-efficient and highest quality solutions to heavy construction improvement projects. Mr. Hoeffner is an ACI Certified Special Concrete Inspector.

Mr. Hoeffner's specific experience is summarized below:

- Construction Inspector and Permit/Site Plan Review for Various Capital Projects: Painting of Bridges at Various Locations – Suffolk County Department of Public Works

  Mr. Hoeffner is currently the Resident Engineer for this improvement project that includes the painting/rehabilitation of six bridges at various locations in Suffolk County. The work includes vacuum maintenance cleaning, priming and painting of structural steel, environmental ground protection systems, vacuum blasting containment systems, treatment and disposal of contaminated paint, and coordination with various agencies including the Long Island Rail Road.

- 26th Ward Water Pollution Control Plant: NYCDEP ($40M)

  Mr. Hoeffner assisted in the construction management/inspection of the regulator reconstruction (Contract 14) and the emergency generator upgrade (Contract 13) projects. Contract 13 consists of installing three medium-speed 2.5 MW diesel generators and a 600kw diesel unit. This contract also includes the construction of a new Battery Room Facility. Contract 14 includes the reconstruction of the existing regulator (R-1). The regulator diverts combined sewerage to the plant and in wet weather diverts overflow to Hendrix Creek. The regulator work includes relocation of existing utilities, demolition and reconstruction of portions of the regulator floor slab, walls and weir, and the installation of a temporary dewatering and bypass pumping systems. Mr. Hoeffner is serving as the A. Resident Engineer for this project.

- Skillfully orchestrated the complete spectrum of the Town of Islip's Capital Improvement Program with responsibility for a $12 million annual budget. The work encompassed plumbing and piping improvements for chemical feed systems, culvert/drainage improvements, roadway/bridges improvements, full-depth pavement repairs, micro-resurfacing and concrete contracts, which consistently met or exceeded the DPW's expectations.

- Served as the go-to-person/advisor to the engineering, inspection and planning departments on all public works projects for the Town of Islip. He was a member of the project team tasked with creating and instituting constructive recommendations for roadways, drainage/culvert systems and various facilities.

Certifications

[redacted]

Prequalification Categories

Construction Engineering and Inspections (Road, Bridge and Aviation)

Years Experience

20+

Office Location

Woodbury, NY

Contact

fhoeffner@db-eng.com

- Efficiently analyzed and revised new bid proposals with specifications for all roadwork and drainage contracts, and accurately reviewed executed bids for recommendation to Town Supervisors.

- Oversaw highway, engineering and inspection protocols for change orders, RFIs and payment and execution covering all if the Department's roadwork projects. He directed interdepartmental drainage, pavement repairs, along with emergency management of all storm related work.

- Participated in filing for New York State CHIPS Programs and Multi-Modal Grants.

- Reviewed all road opening permits for approval and inspection of restoration of the roadways by utility companies, contractors and homeowners.

- Effectively scheduled and supervised project personnel and office staff, provided close support, motivated strong work teams and ensured consistent work excellence and responsiveness.

- Participated in equipment demonstrations for review to obtain the best quality at the least cost.

Mr. Hoeffner was the owner/operator of Hoeffner Industries, Inc. Mr. Hoeffner:

- Developed and managed this heavy construction business from a zero base to profitability with hands-on P&L control. Scope of work included estimating, bidding and managing the complete spectrum of various new/restoration/renovation projects for roadways, sewers/drainage, parking lots, recreational/athletic parks for school/fire districts, villages, towns and counties, respectively, across Long Island.

- Effectively dealt with project change requests, project tracking, mobilization of resources and the coordination of efforts to ensure completion of each client's objectives. He defined procedures/guidelines that ensured compliance with their goals while working closely with architects, engineers, consultants and regulatory authorities and accurately interpreted project plans/blueprints. He served as an instrumental force in developing and implementing new ideas, ways of thinking and problem solving techniques to project operations and presented viable options that facilitated results.

- Selected, negotiated and purchased materials, services and equipment, obtaining the best quality at the least cost. He prepared, negotiated and interpreted construction contracts and controlled project budgets. Conducted site inspections to determine suitability of potential project sites.

- Adhered to regulatory and environmental agency rules and regulations, and ensured overall project quality control and implemented effective material handling procedures.

- Coordinated work with all trades and utilizing time management skills.

JOINT VENTURE

EDWARD J. REILLY

Professional Experience

Mr. Reilly has over 34 years of experience in the design and construction management of water and wastewater treatment systems, landfill design and construction, and solid waste management. He has performed the duties of a design engineer, project manager and resident engineer throughout his career. Specific experience in wastewater, groundwater remediation, water supply, treatment facilities and soil gas management in the capacity of both office engineer, project manager and construction inspector is provided below. Mr. Reilly has also been involved in the startup of facilities, troubleshooting and instruction of personnel.

New York City Department of Environmental Protection (NYCDEP) – Risk Assessment

Mr. Reilly has performed the mechanical evaluations for the purpose of risk assessment at 13 of the City's 14 water pollution control plants and 7 of 8 dewatering facilities. Mr. Reilly has served as the lead mechanical evaluator for all of the process equipment including, but not limited to, sluice and slide gates, bar screens, main sewage pumps and valves, settling tank collectors and drives, sludge pumps and valves, diffusers, aerators and mixers, grinders, scum management equipment, dewatering facilities, centrifuges, conveyors, chemical feed equipment, effluent water pumps, HVAC, boilers and related facility appurtenances. These duties include mechanical evaluation and extensive record keeping.. As a result of this experience, he is familiar with NYCDEP water pollution control facility construction and operation. During many of these site visits, he has observed construction in progress and understands DEP environmental safety and health requirements.

Mr. Reilly has recently performed the mechanical evaluations for the purpose of risk assessment at 52 of the City's 96 pump stations. Mr. Reilly served as the lead mechanical evaluator for all of the main sewage pumps, piping and valves, bar racks, grinders, sluice gates, slide gates, HVAC, plumbing, sump pumps, and related facility appurtenances. These duties included mechanical evaluations and ratings to assess current conditions and future reliability. This experience has made Mr. Reilly very familiar with the NYCDEP facilities, operations and problem areas. Mr. Reilly also performed these evaluation duties at the Hudson River Pump Station (Chelsea).

Mr. Reilly also provided QA/QC review of the field collected data prior to incorporation into the database.

New York City Department of Environmental Protection (NYCDEP) – In-house Design

Pump Stations – Mr. Reilly is a member of a team of D&B engineers providing services to the NYCDEP In-House Design Staff relative to the Department's design for the complete rehabilitation of the pumping station to include constructability and biddability reviews of 30/60/90% designs. These services pertain to all of the

disciplines. Mr. Reilly's involvement addresses the civil, mechanical, HVAC and plumbing systems. The services involve design reviews, critiques and commentary, as well as discussion with Department personnel of the pros and cons of various approaches and design options. These services are provided in a collaborative effort with the Department staff to afford the staff the benefits of D&B's insight and experience in pumping station design and construction. These activities have included the Orchard Beach Pumping Station, Throgs Neck, Rikers Island North and Hannah Street pumping stations.

Newtown Creek Dechlorination Facility – Mr. Reilly is a member of a team of D&B engineers providing services to the NYCDEP In-House Design Staff relative to the Department's design for the addition of dechlorination facilities to the Newtown Creek Water Pollution Control Facility. These services pertain to all engineering disciplines, as well as a feasibility analysis to convert a portion of the existing Disinfection Building for the purpose of receiving, storing and applying dechlorination chemicals. Mr. Reilly's involvement addresses the mechanical, HVAC and plumbing systems associated with the control, process and application of the dechlorination chemicals to the downstream end of the chlorination tanks. This involvement will continue through the preparation of the facility design by the In-House Design Staff by means of collaboration, the sharing of design experience and insight, and assistance with design tasks as the need arises. Mr. Reilly has performed constructability reviews for the 30% and the 90% design submittals prepared by In-House design. When necessary, Mr. Reilly has performed portions of the design or prepared conceptual designs as part of the IHD design effort.

Water Supply Facilities

New York City Department of Environmental Protection (NYCDEP) – Gilboa Dam

- Mr. Reilly has performed constructability and bidability reviews for Contract CAT 212B – Gilboa Dam Reconstruction and is currently involved in the constructability review for CAT 212C – Low Level Outlet. Mr. Reilly has performed reviews relative to all civil and mechanical processes, equipment and work. The outcome of the review process has provided for clarification in the bidding documents with its associated savings to the Department. Mr. Reilly has gained excellent insight to the limits of working upstate during these recent reviews.

Wastewater Treatment Facilities

Fairfax County, Virginia

- Preparation of design and contract documents for the dechlorination and discharge to surface waters of cooling tower blowdown waters for a 3,000 tpd resource recovery facility. Dechlorination was required for the protection of aquatic life in the receiving waters. Process included the use of sodium bisulfite, chemical mixing facilities and dosing equipment.

Village of Ossining

- Design and preparation of plans, specifications and managerial duties to divert alum sludge from the sanitary sewer and provide on-site storage for truck loading and off-site disposal.

- Design of two variable speed pumping units to accommodate filter backwash effluent.

Town of Parsippany - Troy Hills, New Jersey

- Performed start-up, testing and commissioning of a 16 mgd advanced wastewater treatment facility. Mr. Reilly served as Resident Engineer during the startup, testing and commissioning period, providing inspection and troubleshooting and instruction of personnel. Duties also included construction administration, attendance at all meetings, preparation of meeting minutes and processing of change orders, reviewing contractor invoices, answering RFC and RFI, shop drawing review, and other office engineer responsibilities.

Bergen Point, Suffolk County, New York

- Performed a mechanical evaluation of the 30 mgd Bergen Point Wastewater Treatment Plant.
- Mr. Reilly prepared a condition assessment report detailing the entire facility.

Cedar Creek WPCP, Nassau County, New York

- Prepared a design for the expansion of the primary settling tanks.
- Mr. Reilly performed as Project Manager in orchestrating all managerial duties including documentation of design information and progress meeting minutes.

Dover, Pennsylvania

- Prepared hydraulic design for all process equipment and the design for aerated grit chambers.

Village of Ocean Beach, New York

- Design and construction observation for removal and replacement of granular activated carbon and rehabilitation of GAC towers.
- Mr. Reilly performed resident engineering/inspection/office engineer duties for this completed project.
- Provided operator training and assistance to facility personnel, process modifications and remedial designs.
- Permitting, design and construction supervision for water supply well.

Gloucester County Utilities Authority, New Jersey

- Design of a hybrid aeration system incorporating the addition of fine bubble diffused aerators to an existing mechanical aeration system.
- Mr. Reilly served as Engineer and performed managerial and administration duties as well.

Brookhaven National Laboratory

- Performed a study of 15 buildings to assess the magnitude and opportunities to manage noncontact cooling water associated with, but not limited to, refrigeration, air conditioning, water treatment, analytical equipment and research projects.

- Supervised the performance of a leak detection survey for 15 miles of water main in a campus setting. Prepared statement of findings and recommendations. Mr. Reilly kept records and meeting minutes recording the progress of the work.

Groundwater Remediation

New York State Department of Environmental Conservation (NYSDEC) – Dewey Loeffel, Nassau, New York

- Mr. Reilly served as the lead designer for a leachate collection and treatment facility for an inactive hazardous waste landfill. The treatment process includes oil/water separation, aeration stripping, microfiltration, tray stripping, activated carbon, steam stripping, reverse osmosis and post aeration. Ancillary processes include sludge dewatering and crystallization for residuals disposal.

Town of Islip, New York

- Design and preparation of plans and specifications for a 350 gpm groundwater treatment facility for the removal of volatile organics by air stripping and inorganics by precipitation and filtration. Treated water to be recharged to the aquifer system. Project Manager for construction, start-up and operator training and assistance.

- Preparation of a Phase II Investigation for a Class 2A Inactive Hazardous Waste Site including design and construction supervision for the installation, sampling and analysis of groundwater monitoring wells.

Town of Smithtown, New York

- Design, preparation of plans and specifications, and construction observation for 25+ groundwater monitoring wells.

- Preparation of a hydrogeologic site investigation for the permitting and construction of a municipal solid waste landfill.

JOINT VENTURE

THOMAS SCHAEFER, E.I.T.

Professional Experience

Mr. Schaefer is an Engineer at Dvirka and Bartilucci Consulting Engineers (D&B) where his job duties include performing miscellaneous project design and construction management tasks for civil and wastewater improvement projects. Mr. Schaefer has invaluable experience working on NYCDEP projects and has intimate knowledge of the standard operating procedures (SOPs) and other NYCDEP rules and regulations.

As an Engineer at D&B, Mr. Schaefer has experience in the following:

Construction Management Services for Miscellaneous Projects in the Downstate Area (CTYWDCM-3B) - New York City Department of Environmental Protection (NYCDEP)

Assignments include:

- Oakwood Beach Wastewater Treatment Plant (WWTP) 5KV Substation Reconstruction (Contract OB-125) contract in Staten Island ($15 million)
- Port Richmond WWTP Boiler Upgrade (Contract PR-113) contract in Staten Island ($27 million);
- Orchard Beach Pumping Station Replacement in the Bronx ($2.7 million)

Mr. Schaefer is an Engineer on these projects where he is responsible for assisting with construction management.

Construction Management Services for Various BWT Locations

This contract is to assist BWT in developing and implementing a Construction Management Program. This unique project requires coordination with multiple engineering sections, as well as operations at all wastewater treatment plants and collection facilities located in the New York City area. The project includes on-call work requiring overnight and weekend emergency response.

Mr. Schaefer is responsible for assisting field engineers with research, data and other technical support necessary to continue providing BWT construction management services for various projects at numerous plants and pump stations. Mr. Schaefer was also responsible for assisting with inspection for the installation of new V-Notch Weir gates for the Wards Island WWTP.

Superstorm Sandy Pump Station Recovery (Oct. 2012 - Dec. 2012)

Over 30 NYCDEP Pump Stations providing a necessary service to NYC failed during the Sandy storm. Most were flooded with saltwater and effectively destroyed. Mr.

Classifications

Engineer-in-Training (EIT)

OSHA 10-Hour Construction Industry Course Completion (#2087753)

Miller Environmental Group Confined Space Entry Certification (#2012030-144602)

ACI Concrete Field Testing Technician – Grade I

Professional Societies

Long Island Water Environment Association – Academia/Student Chapter Committee Chair

Years Experience

2

Office Location

Woodbury, NY

Contact

tschaefer@db-eng.com

Schaefer assisted with the recovery effort which included performing round the clock inspection, coordination and fueling for the 30 damaged stations. All 30 stations were made operational within 84 hours.

Riverhead Drive Erosion Control Improvements

Mr. Schaefer is an Engineer involved with this project located at Sound Beach, N.Y. Mr. Schaefer was responsible for the assessment of damage from Superstorm Sandy. He was also responsible for the review, development and design of construction specifications and drawings, and contract documents. The major items of work included:

- Repair of bulkhead
- Extending an existing gabion system slope protection

Construction of Pre-Engineered Garage at Allenwood Park ($0.2M)

Mr. Schaefer is the Engineer on this project located in Great Neck, N.Y., where the principal items of work include: pouring concrete foundation, erection of pre-fabricated garage, installation of various electrical and heating appliances and site work. Mr. Schaefer is responsible for assisting the project engineer with design of the project.

Rockland County Transfer Station Improvements ($2M)

Mr. Schaefer is an Engineer involved with this project located in West Nyack, N.Y. Mr. Schaefer was responsible for the review and development of construction specifications and contract documents. The major items of work included:

- Repair and reattachment of geomembrane cap to building and equipment foundations.
- Installation of protective steel plate at tunnel wall.
- Installation of methane gas venting system.
- Demolition of existing building siding and roll-up doors.
- Installation of new building siding and roll-up doors.
- Construction of concrete masonry walls in office building.
- Demolition and removal of existing office building internal walls, locker room fixtures, floor coverings, ceiling tiles, windows and framing, doors and framing and installation of new office internal walls, floor coverings, bathroom fixtures, shower fixtures, locker room fixtures, windows and frames, doors and frames, and ceiling tile systems.

Rockland County Site Grading Improvements, New Scale and Scale House Installation ($2M)

Mr. Schaefer is an Engineer involved with this project located in West Nyack, N.Y. Mr. Schaefer was responsible for the review and development of construction specifications and contract documents. Mr. Schaefer was also responsible for assisting the project engineer with design of the project. The major items of work included:

- Demolition and removal of existing scale and scale house.
- Installation of new scale and scale house.

JOINT VENTURE

ALEXIS SCHLESSINGERMAN, E.I.T.

Professional Societies
New York Water Environment Association Young Professional

Years Experience
6+

Office Location
Woodbury, NY

Contact
aschlessingerman@db-eng.com

Professional Experience

Mr. Schlessingerman has over 4 years of experience as a Project Manager and a Construction Inspection for the New York City Department of Environmental Protection (NYCDEP). He is an Engineer in Training (registered to take the Professional Engineer Exam in October, 2013) with many years of hands-on experience in field construction, engineering, and program management. As a NYCDEP Accountable Manager, Mr. Schlessingerman has been responsible for numerous engineering tasks in connection with the delivery of the BEDC's Capital Program ($5 Billion), serving in BEDC Engineering Support Division. The DEP Capital Program requires design framework and construction management support to ensure that projects are being delivered to the highest standards. Mr. Schlessingerman developed Standard Operating Procedures, oversaw consultant program management contracts, conducted Constructability/Bidability Reviews, and led the BEDC CM Quality Assurance Program as the Lead Auditor/Program Manager. Mr. Schlessingerman has a strong background in project management coming from successfully managing projects at DEP Bureau of Engineering Design and Construction. Most recently, Mr. Schlessingerman has been key in BEDC's CMIS initiative for a Department wide CMIS Program.

While at the NYCDEP, Mr. Schlessingerman showed strengths in program management and developing design and construction management framework through policies and procedures. In NYCDEP, Mr. Schlessingerman's organized approach to work and high quality of work has put him working on important initiatives towards the success of NYCDEP.

Mr. Schlessingerman was responsible for providing Engineering Support to the Bureau of Engineering Design & Construction Project Delivery Teams. In this role, Mr. Schlessingerman has worked in depth on many of the Department's major projects including Newtown Creek Upgrade, Croton Water Treatment Plant, CAT/DEL UV Plant and, West Branch Rondout Bypass Tunnel.

Because of Mr. Schlessingerman's hard work ethic as an engineer, he was regularly tasked with critical projects for the BEDC Deputy Commissioner. Such tasks have included the review of the Engineer Estimate for the Hurricane Sandy Contractors for housing assessments and overnight inspection work at the North River Plant during the fire. Specific tasks include:

BEDC Project Delivery System (PDS) - In an effort to standardize the business, engineering, and project delivery for all BEDC's projects, the PDS was developed. The PDS is a series of over 150 Standard Operating Procedures (SOPs). Each SOP serves as framework for how designs and construction are to be performed. To develop these SOPs, research had to be conducted working with project teams and identifying problems that can be mitigated/eliminated with the implementation of an SOP. Under this task, Mr. Schlessingerman has authored many technical SOPs that required knowledge of engineering principles and practices.

BEDC Engineering Support Reviews (Constructability and Bidability) - In this role, Mr. Schlessingerman assisted project teams in the review of designs during their 30/60/90/Final submittals. For these reviews, Mr. Schlessingerman has helped from a Consultant Contract which I manage. Mr. Schlessingerman served as the overall reviewer and project manager. Mr. Schlessingerman developed checklists based on applicable codes, best practices observed, and lessons learned (list derived from the research of change orders) to be used to check design submittals against. Projects successfully reviewed include:

- North River (NR) Fire Investigation: After a fire at the NR Water Pollution Control Plant, a forensic engineering review was performed to determine the cause of the fire. We worked with the project team reviewing, specs, drawings, and operations to draft a report stating the reasons.

- CRO-502 Kensico Dam Road Closure Mitigation: Recommendations were given to the Design Engineer preventing major problems in the project's schedule.

- Tallman's Island Wet Weather Maximization: Review of the specs and drawings were performed on the 60% submittal to determine the best dewatering scheme and excavation method to be used.

BEDC CM Quality Assurance Program - BEDC established a new unit for Construction Quality Assurance that reports directly to the BEDC Deputy Commissioner. This unit is part of Engineering Support for which Mr. Schlessingerman served as a Technical Auditor/Accountable Manager and work with other Technical Auditors.

BEDC Program Wide Construction Management Information System - In an effort to standardize the way BEDC does business, streamline reporting, and improve the quality of the information being reported from the field, BEDC has implemented an program wide CMIS. Mr. Schlessingerman has served on the BEDC CMIS panel, selecting the proper vendor. With Mr. Schlessingerman's knowledge of CM SOPs, he knew what it took to select and implement an appropriate vendor with tablet driven inspection reports.

Newtown Creek Project Delivery Team - For two years, Mr. Schlessingerman was part of the Construction Management team responsible for overseeing the delivery of the Newtown Creek Final Upgrade. This plant is the largest water pollution control plant in NYC that is designed to process up to 700 MGD (wet weather flow) of sewage and is one of the largest capital projects under construction in Brooklyn, NYC valued at $3 Billion. As a proactive hands-on engineer, Mr. Schlessingerman wore many hats to move the project along including shop drawing review, hydraulic analysis, inspection of work, load calculations, reporting, equipment testing and calibration, and Constructability Review.

Mr. Schlessingerman served as a part of the DEP Project Delivery Team responsible for the delivery of the Newtown Creek Project. This is a multi-phase project, which at the time had 20 active contracts. He was assigned to the NC-31 Sludge digester complex. This project was for the construction of eight egg shaped tanks each holding 3 million gallons of sludge. This project was valued at $500 Million dollars (including change orders). We were tasked with completing a critical milestone which was to test, fill, and turnover 4 of the 8 tanks. He assisted both with the construction team performing inspections and the Design Team performing DSDC tasks. They were able to successfully turnover the 4 digesters to the operating bureau then move on to testing the remaining 4 digesters. As a member of the DEP Project Delivery team for Newtown, his tasks included working with design consultant and architects, construction management team, and contractors. He was a team member of the engineering team responsible for analyzing the interim and permanent replacement methods; checking design submittals including design calculations, reports and drawings; assuring that cost estimates were accurate and cost-effective; and preparing design and construction schedules.

JOINT VENTURE

MICHAEL P. SCIARRILLO, AIA, NCARB

Professional Experience

Mr. Sciarrillo's professional experience offers proven performance in coordinating design and construction projects from concept to completion in residential, commercial, and institutional arenas. He is well versed in client relationship management, has a keen ability to listen to client's vision, render architectural sketches and manages all phases of the construction project.

As an Architect at D&B Engineers and Architects P.C., Mr. Sciarrillo has been involved in creating construction documents; processing submittals, shop drawings and change orders; running construction progress meetings; and providing onsite construction inspections. He has been able to successfully handle all phases of Construction Administration for multiple ongoing projects, while meeting deadlines and budgets. The major client has been the New York City School Construction Authority (NYCSCA).

NYCSCA Educational Project experience with the firm includes:

- P.S. 250, Bronx, New York – Masonry/ Roofs/ Parapets - $4.5 million construction cost.
- P.S. 123, Brooklyn, New York – Roofs/ Exterior Masonry/ Flood Elimination/ Corridor Floors/ Paved Areas - $9.4 million construction cost.
- P.S. 148, Brooklyn, New York – Exterior Masonry/Parapets - $7.4 million construction cost.
- P.S. 435, Manhattan, New York – Roofing, Parapets, and Exterior Masonry- $4.5 million construction cost.
- P.S. 50, Queens, New York – Exterior Masonry – $2.1 million construction cost.
- P.S. 108, Queens, New York – Exterior Masonry - $2.8 million construction cost.
- P.S. 226, Queens – Containerization - $400,000 construction cost.
- I.S. 228, Brooklyn, New York – Corroded Steel Stairs - $1.2 million construction cost.
- P.S. 117, Queens, New York – Containerization - $500,000 construction cost.
- P.S. 213, Brooklyn, New York – Exterior Masonry/Roofs/Site work - $7.6 million construction cost.

Years Experience

Office Location
White Plains, NY

Contact
msciarrillo@db-eng.com

- P.S. 298, Brooklyn, New York – Exterior Masonry/Roofs/Windows - $7.3 million construction cost.
- I.S. 275, Brooklyn, New York – Accessibility - $3.5 million construction cost - Design and Construction Administration Services for Accessibility Upgrades.
- P.S. 145, Brooklyn, New York – Exterior Masonry/Roofs/Windows - $6 million construction cost – Design and Construction Administration Services for Exterior Masonry, Roofing, and Windows.
- I.S. 278, Brooklyn, New York – Roofs/Exterior Masonry/Flood Elimination - $7.3 million construction cost.

Additional project experience with the firm includes:

- Town of East Hampton, New York– Solid Waste Management Facility, Administration Building- $1million construction cost.
- Town of Port Washington, New York –Packed Tower Aeration System- $4 million construction cost.
- Albertson Fire District, New York – Interior renovations and Roof Replacement on two-story firehouse building.
- Syosset, New York – Greenhouse design and site layout for a private school.
- Village of Monroe, New York – Designs for rehabilitation of downtown storefronts and streetscapes including the inclusion of green building elements.
- City of New Rochelle, New York – Building condition analysis, LEED feasibility report for historic railroad station, including interior spaces.
- Clarkstown, New York – Architectural design and drawings for two-story administration wing of transfer station, with offices/staff spaces.
- Bergan Point, New York – Architectural design and drawings for new two story building and renovation to existing three story building-$6 million construction cost.
- DASNY: Brooklyn College of Technology, New York – Architectural design and drawings for Namm Hall Loading Dock -$1 million construction cost.

JOINT VENTURE

NILABJA SEN, P.E.

Professional Experience

Mr. Sen is a Civil/Structural Engineer with over 46 years of design, construction and project management experience in wastewater treatment plant and pumping station designs, steel and concrete building structures, highways and bridges, parking garages and marine structures. Mr. Sen is experienced with the following codes, standards and computer programs utilized extensively during his professional career:

- Building Design Codes and Standards: NYC Building Code, Building Code of New York State, Minimum Design Loads for Buildings and Other Structures ASCE 7, Uniform Building Code (UBC), International Building Code (IBC), The BOCA National Building Code, AISC Steel Construction – Allowable Stress Design Manual, Load and Resistance Factor Design Manual, Cold Formed Steel Design Manual, Building Code and Commentary ACI-318, Code Requirements for Environmental Engineering Structures ACI-350, Seismic Design of Liquid Containing Concrete Structures ACI 350.3, Building Code Requirements for Masonry Structures ACI-530, Precast and Prestressed Concrete Design Manual, Aluminum Design Manual, AITC- Timber Construction Manual, Structural Welding Code AWS D1.1, ANSI/TIA-222-G-2005.

- Highways and Bridges: AASHTO- Standard Specifications for Highway Bridges, Pedestrian Bridge Design Manual, Manual for Condition Evaluation of Bridges, NYS DOT-Bridge Manual, Steel Construction Manual, Bridge Welding Code AWS D1.5.

- Structural Computer Programs: STRUDL, G.T. STRUDL, STAAD Pro, ANSYS Finite Element Analysis, Visual Basic, PCA Programs- Column, Beam.

- Mr. Sen has used the above referenced computer programs to perform linear, static, dynamic, and nonlinear finite element analyses of building structures and plate structures. He also has written software programs on composite section properties of structural members. The program was used in existing building renovation work.

Mr. Sen's experience with Dvirka and Bartilucci Consulting Engineers (D&B) includes:

- Transfer Station, Rockland County, New York – Reviewed modular retaining wall design documents; performed design and detailing of tipping floor upgrading including designing of a new grade beam; designed and developed details for the new scale and scale house foundations; designed reconstruction of the existing concrete deterioration of the tipping floor; designed new pile caps and complete replacement of the deteriorated concrete slab and foundation; and performed periodic field visits to observe construction.

Years Experience
40

Office Location
Woodbury, NY

Contact
nsen@dvb-engr.com

- Performed detailed structural finite element design of balcony structures supporting existing and new antennae and coax cables for elevated water tanks in Suffolk County. The balcony structures were reinforced when necessary to carry the additional loads from the antennas and subsequent cables.

- Reviewed vendor supplied calculations and installation drawings on antenna support structures for various water tanks in Nassau and Suffolk Counties.

- Structural design for new reinforced concrete treatment facilities at the Bergen Point WWTP.

Prior to joining the firm, Mr. Sen has experience working on the following projects:

- Performed inspection and structural analysis for several office buildings at Brookhaven National Laboratory located in Upton, New York to assess their condition and provide suitable remedial measures as necessary to upgrade the buildings to restore them to sound condition.

- Red Garage Parking Structure, JFK Airport, NY – Prepared and reviewed design computations and contract plans for this five-story 1,900+ car space garage at JFK Airport for Port Authority of NY and NJ. Reviewed shop drawings.

- JFK Expressway Outbound Widening - Designed three overhead sign structures and a retaining wall of about 200 ft length between the inbound and outbound JFK Expressways as a part of the JFK Expressway Widening project for Port Authority of New York and New Jersey.

- Rector Street Temporary Pedestrian Bridges - Following 9/11 incident, two temporary pedestrian bridges were constructed over route 9A on an emergency basis. Mr. Sen was involved in developing the layout plans and design of the footings for these bridges. Mabey pre-fabricated bridge segments and towers were used for superstructures to save time. Prepared cost estimates for these bridges.

- Rector Street Permanent Pedestrian Bridge – Mr. Sen was involved in developing a conceptual plan for a permanent pedestrian bridge near the existing temporary bridges. The conceptual plan has been submitted to the Battery Park City Authority and NYS DOT for review and approval. This conceptual design consists of a steel superstructure enclosed in a fiberglass tube supported on wine glass shaped concrete towers.

- Widening and Rehabilitation of CR83 Road Bridge over LIE – The objective was to widen and raise the existing bridge to accommodate additional traffic on route CR83 and provide more headroom clearances over LIE. Performed analyses and design of the bridge deck, stringer beams, pedestals, bearings, piers and footings.

- Bruckner Expressway/Cross Bronx Expressway Interchange – The rehabilitation of this interchange bridge was designed by Hardesty & Hanover, LLP. Mr. Sen was assigned to review the steel fabrication, erection and temporary tower shop drawings.

- Colonial Road Bridge over Long Island Rail Road – Performed feasibility studies for three alternate replacement proposals for this 100-year old bridge located in the Village of Thomaston, Nassau County, NY.

JOINT VENTURE

GABRIEL A. VALENTIN

Professional Experience

Mr. Valentin is a Senior Scheduler with over 17 years of experience in project management and the development of comprehensive CPM scheduling systems for construction projects of various sizes. As a Senior Scheduler, he has extensive experience in business operations and project management systems, as well as expertise in project scheduling with an understanding of construction in New York City municipal projects. During the past 17 years, he has been a Project Manager and Scheduling Consultant of major construction projects and has developed expertise in the use of CPM management systems for project control and forensic analysis. Some of the projects for which he has provided Scheduling Development, CPM Updating, Narrative Preparation, Delay and Claim Analysis, RFI Preparation, Change Order Processing and Negotiation services include the following:

- Bronx Grit Chamber (H Contract – Boilers), NYCDEP
- Manhattan Grit Chamber (H Contract – Boilers), NYCDEP
- Owl's Head – 33G, NYCDEP
- Wards Island – WP285, NYCDEP
- Newtown Creek – WP-283, NYCDEP
- Newtown Creek – 41G, NYCDEP
- Jamaica 2G, NYCDEP
- New Middle/H.S. Suspension Center (X), Lease Conversion, NYCSCA
- John Bowne H.S. (Q), Aircraft Sound Reduction, NYCSCA
- Young Women's Leadership Academy (Q), Lease Conversion, Space, NYCSCA
- P.S. 99 (K), Interior Modifications, NYCSCA
- P.S. 66 (M), Interior Modifications, Masonry, Windows, NYCSCA
- Jill Chaifetz H.S. (Q), Lease Conversion, NYCSCA
- P.S. 121 (M), Boiler Conversion, NYCSCA
- P.S. 188 (Q), Exterior Modification, Boiler Conversion, NYCSCA
- John F. Kennedy H.S. (K), Interior Modification, NYCSCA
- Campus Magnet H.S. (X), Interior Modifications, Windows, Exterior Modifications, NYCSCA
- P.S. 165 (K), Interior Modifications, Exterior Modifications, NYCSCA
- Bard H.S. (X), Interior Modifications, Exterior Restoration, Windows, NYCSCA
- Evander Childs H.S. (X), Windows, Interior Modifications, Exterior Restoration, NYCSCA
- Thomas Jefferson H.S. (K), Science Labs, NYCSCA
- Transfiguration H.S. (K), Lease Conversion, NYCSCA
- Walton H.S. (X), Boiler Conversion, Windows, Masonry, NYCSCA
- P.S. 68 (Q), Boiler Conversion, NYCSCA
- Abraham Lincoln H.S. (K), Boiler Conversion, NYCSCA
- Queens Vocational H.S. (Q), Boiler Conversion, NYCSCA
- P.S. 177 (K), Exterior Restoration, NYCSCA

[redacted]

Years Experience

17

Office Location

Woodbury, NY

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- P.S. 499 (Q), New Building, NYCSCA
- P.S. 22 (R), Boiler Conversion, NYCSCA
- P.S. 5 (R), Boiler Conversion, NYCSCA
- P.S. 177 (Q), New School (Mechanical Installations), NYCSCA
- P.S. 52 (R), Boiler Conversion, NYCSCA
- P.S. 244 (K), New Extension, NYSCA
- P.S. 30 (M), Modernization, NYCSCA
- P.S. 16 (Q), (Building Modernization), NYCSCA
- St. Thomas Aquinas H.S. (K), Lease Conversion, NYCSCA
- Rockaway Beach – 3 Stations & 5 Stations Restoration, MTA
- 100th Street Bus Depot – MTA
- Port Authority Bus Terminal – South Wing HVAC Unit Replacement, PANYNJ

Previous Experience:

Senior Scheduler and Claims Analyst: Review project specifications and drawings in order to prepare and create schedules for construction projects. Maintain and review in conjunction with WDF Project Management staff, regular updates with accompanying narrative. Review, analyze and prepare Claims for delayed projects. Issue RFIs, prepare Change Order and Delay Claim proposals.

Bid Estimator: Review project bid specification, drawings and existing conditions in preparation for bid estimates.

Project Manager/Manager, Change Order Department: Incorporated computerized document management system acquired from the Fourth Avenue Enterprise Piping Corp. acquisition. Initiated and maintained the Change Order Department to organize change orders for the GC and HVAC divisions for over 100 projects. Prepared and negotiated with WDF Project Management, change orders submitted to the owner, primarily School Construction Authority projects.\

4th Avenue Enterprise Piping: Initiated and implemented the computerization of exclusive paper-based project management documentation utilizing Primavera Expedition. Initiated and maintained vendor contract data, purchase orders, material release orders, RFI's and change orders for all HVAC projects. Prepared and negotiated change orders submitted to the owner, primarily School Construction Authority projects.

In June of 2002, the 4th Avenue Enterprise Piping was acquired by WDF, Inc.

AMCC Corp./Anthony Marino Construction Corp.: As Assistant Project Manager, Mr. Valentin performed duties associated with Project Management field work, including but not limited to issuance of RFIs, attend project meetings, prepare change orders, perform field photography, prepare daily reports, maintain time sheets on field personnel and report labor hours to payroll for all field personnel.

JOINT VENTURE

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BRIAN M. VEITH, P.E.

Professional Experience

Mr. Veith has approximately 26 years of experience in the environmental engineering field involving remedial investigations, feasibility studies, site assessments, remedial designs and multimedia environmental compliance pursuant to federal, state and local regulatory requirements. As the senior licensed professional engineer (PE) in the Environmental Remediation and Multimedia Compliance Division, Mr. Veith's primary responsibilities include ensuring the technical integrity and quality of all documents that are prepared by the Division that must be sealed by a licensed Professional Engineer pursuant to the New York State Education Law.

As part of the firms work with the Dormitory Authority State of New York (DASNY), Mr. Veith has been providing senior project management support to the Tier 2 Environmental Review Process associated with the New York Rising Program being administered jointly by the Governor's Office of Storm Recovery (GOSR) and the Housing Trust Fund Corporation (HTFC) of New York State Housing and Community Renewal (HCR). In this capacity, Mr. Veith has directed the preparation of the technical scopes of work and cost estimates, coordination of project staffing and schedules, development of standard operating procedures, and final technical review and sign-off of all project deliverables. Mr. Veith's responsibilities encompassed the senior review of the Tier 2 Environmental Review Process which is required under the National Environmental Policy Act (NEPA) and New York State Environmental Quality Review Act (SEQRA). This involved the technical review of the completed Tier 2 checklists and supporting ArcGIS map documentation as well as the preparation of senior closeout forms to ensure that each submitted package conformed to the procedures and protocols of the New York State Rising program and all U.S. Department of Housing and Urban Development regulatory and programmatic requirements.

Remedial Investigation, Feasibility Studies, Site Assessments, and Remedial Design

Mr. Veith has been responsible for the preparation and implementation of work plans, remedial investigation reports and feasibility studies and development of remedial plans for private sector clients as well as projects advanced under the New York State Superfund Program. These programs were typically designed to determine the nature and extent of contamination at a site and evaluate the need for interim or long-term corrective action. Contamination addressed during these programs included halogenated solvents with dense nonaqueous phase liquids (DNAPL), polychlorinated biphenyls (PCBs), heavy metals and petroleum.

Mr. Veith has also been responsible for conducting numerous environmental site assessments at industrial facilities in support of real estate transactions. Assessments typically included detailed site inspections, the installation of groundwater monitoring wells and soil borings to identify potential areas of environmental concern. Many assessments resulted in the development of remedial programs to address areas of concern and involved engineering oversight for

Professional Licenses

Certifications
NYSDOL Certified Asbestos Project Designer

Specialized Training
16 Hour OSHA Construction
40-hour Health and Safety Training for Hazardous Waste Sites, USEPA
8-hour Hazardous Waste Supervisory Training
Confined Space Entry Training in Accordance with 29 CFR 1910.146

Years Experience
26

Office Location
Woodbury, NY
White Plains, NY

Contact
bveith@db-eng.com

implementation of the appropriate remedial measures, including decontamination and decommissioning of process units and excavation activities.

Mr. Veith also has considerable design experience. This experience ranges from the design of an oil/water treatment process for an industrial wastewater treatment facility consisting of a 250 gallon per minute dissolved air flotation system with a surface water discharge to the design of a commercial hazardous waste storage facility that incorporated provisions for secondary containment, storm water management and segregation of incompatible waste. Mr. Veith has also been responsible for the design and inspection of numerous chemical bulk storage tank installations. These have included the design of a 6,000-gallon ammonium hydroxide tank system at a cogeneration plant to support a catalytic oxidation system to meet the New York State NOx emission standards, as well as the inspection of over 50 chemical storage tanks at a major semiconductor manufacturing facility. Mr. Veith has also been responsible for the preparation of contract documents consisting of engineering plans and specifications as well as cost estimates to enhance chemical bulk storage tanks at New York City Department of Environmental Protection water supply facilities.

Mr. Veith has been responsible for numerous remedial design projects being conducted under the New York State Superfund Program. These design projects have included various remedial approaches ranging from soil excavation with offsite disposal, soil washing, groundwater extraction and treatment, to the design of a dewatering and treatment system for an industrial waste landfill.

Multimedia Environmental Compliance

Mr. Veith has extensive experience in providing multimedia environmental compliance services to a number of major industrial clients in the tri-state area. Several notable clients have included:

- International Business Machines Corporation
- Consolidated Edison Company of New York, Inc.
- Orange and Rockland Utilities, Inc.
- New York City Department of Environmental Protection
- Metropolitan Transportation Authority
  - Metro-North Railroad
  - Long Island Rail Road
  - Long Island Bus
  - Bridges and Tunnels
  - New York City Transit
- Northrop Grumman Corporation
- Petroleum Heat and Power Company
- Hoffmann-La Roche, Inc.

JOINT VENTURE

MARTHA J. VICTORIA, AIA, NCARB, LEED Green Associate

Professional Experience

Ms. Victoria is a Registered Architect with over fifteen years of experience in design, drafting and construction project management of residential, commercial and institutional buildings. As an Architect at D&B Engineers and Architects, Ms. Victoria has been involved in the preparation of construction documents and estimates for multiple ongoing projects.

Ms. Victoria is well-versed in many areas of architectural design including:

- Project Feasibility Studies include Analysis of Zoning Regulations and Building Codes
- Creates Schematic Designs
- Executes On-Site Inspections, Building Condition Surveys and Detail Drawings
- Prepares, Coordinates and Reviews Drawings and Specifications to ADA standards
- Mechanical Transmittal Analysis and Existing Conditions Assessment
- Designs and Drafts Power and Lighting Plans

D&B project experience for the NYC School Construction Authority includes:

- P.S. 123, Brooklyn, NY - $7.5 million construction cost – Design Services for Removal and Replacement of Entry Stairs, Exterior Masonry, Roof, Dormers and Corridor Floors.
- P.S. 250, Bronx, NY – $4.5 million construction cost – Design Services for Removal and Replacement of Masonry and Facebrick, Roof, Parapet Walls & Coping.
- I.S. 167 Manhattan – $ 5 million construction cost – Design Services for Removal and Replacement of Parapet Walls & Coping, Roof Strip adjacent to Parapet Wall, Facebrick, Masonry Repointing and Windows.

Custom Designing & Engineering

As an Assistant Project Manager, Ms. Victoria worked on projects ranging from 7,000 sf. to 30,000 sf., including renovations and expansions of existing buildings and development of new construction. She participated in the power and lighting design process performing load calculations and electrical riser details.

Professional Licenses

New York State Registered Architect

New Jersey State Registered Architect

Certifications

NCARB Certification

LEED Green Associate

Years Experience

15+

Office Location

White Plains, NY

Contact

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MARTHA J. VICTORIA, AIA, LEED

Bricolage Architecture and Design

As a Junior Architect, Ms. Victoria worked on residential, commercial and institutional buildings ranging from 1,000 sf. to 15,000 sf., including renovations and expansions of existing buildings and development of new construction. She provided architectural services and participated in the schematic design and design development of diverse projects. She also executed on-site inspections, building condition surveys and detail drawings.

Casey Systems, Inc.

As a CAD Designer, Ms. Victoria participated in the design and layout of Fire Alarm Systems in residential, commercial and institutional buildings. She is familiar with fire safety design and early fire detention systems.

Siaco, Ltd / Invicta, Ltd

As an Architect, Ms. Victoria contributed in the preparation of cost estimates of affordable multi-family housing projects ranging from 645 sf. to 860 sf. per unit. She also verified contractor's compliance with plans and specifications by conducting periodic on-site observation of work and performing evaluation and approval of contractor's payment requisitions. She also prepared progress reports and cost projection verifying adherence to project program and budget.

Relevant Training

Fundamentals of Construction Estimating/Construction Documents
New York University SCPS, New York, NY

Mastering Advanced Project Management
Polytechnic Institute on New York University, Melville, NY

Revit Architecture 2010 Training
Center For Architecture, Manhattan, NY

Certified Green Professional Certificate
Stony Brook University, Stony Brook, NY

JOINT VENTURE

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CHARLES J. WACHSMUTH, P.E.

Professional Experience

Mr. Wachsmuth has over 33 years of experience in the construction and rehabilitation of major water supply, water treatment, wastewater transportation and treatment and other large municipal construction projects. Since November 2000, Mr. Wachsmuth has performed as the lead construction manager on five separate Construction Management (CM) contract's held with the New York City Department of Environmental Protection (NYCDEP) in the City's upstate watershed and water supply system including CM contract's WSHD-3BCM, WSHD-2BCM, WSHD-1CM, GILDAM-1CM and CRO-288. As the construction manager, he is responsible for day-to-day management and oversight of a staff of Resident Engineers, inspectors and administrative personnel assigned to various construction projects within the watershed.

In addition to his duties as the Construction Manager on the Miscellaneous Watershed projects, Mr. Wachsmuth is the Deputy Construction Manager on GILDAM-CM02, Construction Management services on the Gilboa Dam Renovation Project. In this capacity, Mr. Wachsmuth works hand-in-hand with the CM Project Management Team in administering construction of the project and providing technical advice regarding construction related matters.

Mr. Wachsmuth recently provided construction management services to NYCDEP on the highly successful emergency construction contracts associated with interim stability improvements to the City's Gilboa Dam. Work performed on the five emergency contracts included installation of a debris boom across the width of the Schoharie Reservoir; installation of four 48 inch x 30 inch siphons over the crest of the dam; construction of a 250 foot long by 5.5 feet deep relief notch along the crest of the dam; installation of 80 high capacity rock anchors through the core of the dam; and installation of temporary flood control devices at the Ashokan Field Campus.

Through the effort of Mr. Wachsmuth and his team of resident engineers, Inspectors and administrative personnel, all five emergency construction contracts were completed on-time and within budget.

Current CM assignments managed by Mr. Wachsmuth under NYCDEP CM contract WSHD-3BCM include:

- CRO 322A: Reconstruction of Kensico Fluoride Facility
- CRO 322C: Reconstruction of Dunwoodie Fluoride Facility
- DEL 173: Safety and process improvements to Delaware District WWTF
- DEL 221: Interim improvements to Port Jervis WWTF and pumping stations
- DEL 223: Upgrade of three sewage pump stations in the Port Jervis collection system

Specialized Training

OSHA 10 Hour - Hazardous Waste Operations and Emergency Response

OSHA 1910.146 - Permit Required Confined Space

OSHA 1926 (P) - Excavations

OSHA 10 Hour Construction Industry Outreach

Professional Societies

American Water Works Association

Water Environment Federation

Construction Management Association of America

Years Experience

33+

Office Location

Woodbury, NY

Contact

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- DEL 186: Construction of new administrative office and laboratory at Grahamsville
- CAT 225-Replacement of Catskill District Facilities Gantry Cranes

Recent CM assignments managed by Mr. Wachsmuth under NYCDEP CM contract's WSHD-2BCM and WSHD-1CM include:

- CAT 210C: Emergency contract to replace chlorine feed lines to the Catskill Aqueduct at the Kensico Reservoir
- CAT 224: Dredging of inlet channel to Shandaken Intake Chamber
- CRO 367: Miscellaneous structural, electrical and HVAC improvement to Croton Dam Gate House No. 1
- CRO 368: Installation of lighting and surge protection systems at various east of Hudson facilities
- CRO 369: Paving at various water supply facilities
- DEL 332: Emergency reconstruction of Dryden Brook Culvert
- DEL 336: Emergency reconstruction of Chase Brook Road
- CAT 185: Reconstruction of roadway adjacent to Schoharie Reservoir
- DEL 153: Removal of the Dunraven Causeway Bridge
- DEL 98: Repaving of roadways around Rondout and Neversink Reservoir's
- DEL 230: Installation of Ice Fall protection at various west of Hudson water supply facilities

Mr. Wachsmuth is a specialist in project close out and has performed dozens of final close outs on DEP projects.

Mr. Wachsmuth is the firm's Chief Construction Services Division Construction Manager/Resident Engineer (CM/RE). Coupled with Mr. Wachsmuth's Civil Engineering and Construction Management academic background, his over 30 years of active on-site representation offer a comprehensive knowledge of a broad spectrum of construction types. Mr. Wachsmuth's construction experience and knowledge include: wastewater treatment plants; construction of municipal solid waste/hazardous waste landfill closures; hazardous waste remediation, handling, transportation and disposal; storm water collection and interceptor systems; local and road reconstruction; gravity sewers and force mains; marine outfall lines; water mains; wastewater pumping stations; energy recovery facilities; sludge incinerators; chemical treatment systems; odor abatement/treatment systems; and hazardous waste remediation.

Complementing his broad knowledge of varied construction types, Mr. Wachsmuth is intimately knowledgeable with many specific construction aspects, some of which include: hazardous materials (mercury, lead, asbestos, PCBs) removal, remediation and handling; soil mechanics; installation and testing of geosynthetic materials; well drilling; gas extraction; foundations; structural concrete and steel; tunneling utilizing both "jacking" and "liner plate" techniques; architectural systems; electrical distribution and controls; process mechanical systems and controls; pile driving, excavations; and site work.

As CM/RE, Mr. Wachsmuth represents the interest of both the Owner and Engineer. In conjunction with office personnel, it is his responsibility to see that the project is constructed in accordance with the Contract Documents, on time and within budget. In addition to construction administration and inspection duties, it is his responsibility to maintain appropriate logs and files, coordinate project meetings, coordinate the project with governing public agencies and act as liaison between Owner, Engineer, Contractor and local area residents affected by execution of the work.

JOINT VENTURE

MICHAEL R. WIZIOR, P.E.

Professional Experience

Mr. Wizior is a Senior Engineer with over 33 years of experience in civil engineering, excelling in analysis, design and construction. His professional experience includes the following:

Report on the Procurement of Services for the Transfer, Haul and Disposal of Solid Wastes from the Town of Oyster Bay Solid Waste Disposal District (SWDD) – Contract No. DPW 09-999

As a member of the Town's Solid Waste Task Force, Mr. Wizior performed detailed technical analyses of proposals received for the disposal of solid wastes from the SWDD. Results of the analyses were utilized in the overall grading of the proposals and in subsequent multiple rounds of contract negotiations with vendors. Mr. Wizior was the primary author of the final report providing complete explanation and documentation of compliance with requirements of New York State General Municipal Law §120-w for this multi-million dollar long-term contract.

Mr. Wizior also completed a similar assignment for the Town of Brookhaven.

Engineering Report for OBSWDC Transfer Station Permit Renewal Application

Mr. Wizior was the primary author of a report on the Old Bethpage Solid Waste Disposal Complex transfer station including complete discussion of facility description, operations, transportation plan, personnel health and safety training program, and emergency action/response plan. The report was written as requested by New York State Department of Environmental Conservation (NYSDEC) in connection with the Town of Oyster Bay's submitted application for renewal of the transfer station permit, since the Engineering Report on file with NYSDEC was in excess of 25 years old and considered to be obsolete.

Additional responsibilities under this assignment included revising the original submission of the Town's permit renewal application package to the NYSDEC.

Town of Oyster Bay Yard Waste Stream Analysis

Mr. Wizior was the lead engineer on the subject study, the objective of which was to develop detailed specific information for the Town's Department of Public Works regarding the classification and quantification of yard waste generated and placed for disposal by the residents of the Town's Solid Waste Collection District. More specifically, this undertaking also sought to identify which communities and sanitation routes were major yard waste generators. Such information was essential at the time of the study with respect to the Town's then-desire to institute a completely separate yard waste collection program as opposed to the pick-up of unseparated yard waste and municipal solid waste then in effect.

Professional Societies
American Society of Civil Engineers

Years Experience
33

Office Location
Woodbury, NY

Contact
mwizior@db-eng.com

Mr. Wizior coordinated multiple teams of survey inspectors covering 88 Town sanitation routes over a 6-month time period. Results of the survey effort were analyzed and utilized in the classification and quantification of the Town's yard waste generation. Mr. Wizior was the primary author of the final report presenting all data, analyses results and associated engineering calculations, and recommendations to the Town, the ultimate outcome of which was the Town's implementation of a separate yard waste collection program.

Upon completion of the first year of operation of the separate yard waste collection program, a follow-up primary-authorship assignment resulted in the development of a report entitled, "Final Yard Waste Program Monitoring Report". This report presented the findings of a 9-month observation period at the Town's OBSWDC transfer station of the separate yard waste collection program including discussions of the daily loading of yard waste into contractors' transfer trailers; the conditions of the transfer area during and after daily operations; traffic patterns during entry and exit of the Town's packer trucks and the contractors' transfer trucks/trailers; direction and velocity of the wind on a daily basis; possibility of odors being generated and migrating off the site; and evaluation of the level of participation of the residents in the second year of the full-scale program.

New York State Building Code Compliance Reviews

Mr. Wizior performed Building Code of New York State compliance reviews and constructability reviews on behalf of the Town of Islip for the Southwest Airlines Concourse Improvement Program at Long Island MacArthur Airport for work on both the land side and air side of the facility. He met with project Architect to resolve code compliance issues. Additional responsibilities under this assignment also included interim on-site monitoring during construction of the project.

Mr. Wizior performed Building Code of New York State compliance reviews and constructability reviews on behalf of the Village of Islandia for construction of a Dave & Buster's Entertainment Complex and a new Walmart store in the Village's main shopping center.

Mr. Wizior assisted Town of Islip forces during a 4-month assignment at the Town's Building Department offices to decrease a continually growing backlog of building permit applications for all types of residential construction projects including extensions, additions and new construction. He reviewed plans submitted by Architects/Engineers for the proposed work, resolved design and code issues with the design professional, and ultimately recommended issuance of building permits to allow the proposed work to proceed.

Mr. Wizior provided expedited plan review services for minor and major projects involving both new construction and renovations at North Shore Long Island Jewish Hospital for the Building Department at the Town of North Hempstead including construction of a rooftop heliport for receipt of emergency cases via helicopter transport.

Highway and Drainage Improvement Projects

Mr. Wizior has served as Lead Designer Engineer, Senior Engineer, or QA/CA Engineer on the preparation of plans, specifications and estimate packages (PS&E) developed for the following sampling of projects:

- Nassau County Environmental Bond Act Improvements at Willow Pond - Nassau County DPW.
- South 6th Street - Village of Lindenhurst.
- County Road 67 / Motor Parkway – Suffolk County DPW.
- Paff Avenue / Leonard Avenue Area – Town of Hempstead.
- Grant Avenue – Town of Islip.
- Southern Boulevard – Town of Smithtown.
- Willis Avenue / Whitney Avenue Area – Town of Oyster Bay.
- Hammond Lane – Town of Brookhaven.
- New Highway – Town of Babylon.

JOINT VENTURE

db | KSE

DAVID ZAREMSKY, CIH, CSP

Professional Experience

Mr. Zaremsky is a Certified Industrial Hygienist/Certified Safety Professional with extensive and progressive experience in safety and health, industrial hygiene, consulting, construction and environmental instruction training. Mr. Zaremsky is a specialist in construction EH&S issues.

Mr. Zaremsky's professional experience includes the following:

Corporate Safety and Health Director:

Mr. Zaremsky served as a Contract EHS Officer for NYCDEP construction projects throughout the downstate and watershed areas. His responsibilities included the review of contractor HASPs and other submittals, conducting daily/weekly audits of project worksites and ensuring compliance with all relevant Federal, State, local and NYCDEP requirements and regulations. He created Emergency Action Plans, conducted evacuation drills at project sites and performed SWPPP inspections. Other responsibilities included:

- Creating HASPs and EHS Management Plans for construction projects involving wastewater facilities, bridge reconstruction, road realignment, drainage upgrades and remediation activities.
- Training employees on safety plans and OSHA requirements.
- Establishing Corporate HASP, Respiratory Protection and Hazard Communication Programs.
- Successfully maintaining safety performance of projects as measured on NYCDEP compliance audits.

Senior Consultant/Instructor:

Mr. Zaremsky performed numerous CIH/CSP-related IAQ and safety tasks for a variety of clients. He managed data validation, quality control and assurance on worker exposure studies for lead; performed OSHA compliance audits, encompassing safety and health evaluations and workplace risk assessments associated with noise, non-ionizing radiation, ergonomics, respiratory protection, lead, asbestos, and confined spaces for manufacturing, construction and administrative buildings; and created and conducted training for HAZWOPER and lead/asbestos/PCB awareness.

EHS Consultant/Instructor:

Mr. Zaremsky performed IAQ surveys and respirator fit testing for clients and employees. He developed Confined Space Safety, LOTO and Respiratory/PPE program plans, and reviewed HASPs for construction projects. Mr. Zaremsky's other responsibilities included:

[redacted]

Specialized Training

40-Hour OSHA HAZWOPER

8-Hour HAZWOPER Supervisor

4-Hour Supported Scaffold User Training

OSHA 30-Hour Construction Safety

OSHA 500 Trainer Course in Occupational Safety & Health Standards for the Construction Industry

ICS 100, 200, 700 Certification (FEMA)

Lead Safe Work Practices Training

Years Experience

16+

Office Location

Woodbury, NY
White Plains, NY

Contact

dzaremsky@db-eng.com

- Creating curricula/exams and conducting instruction for previously untaught subject materials, including welding safety and 24- and 40-Hour HAZWOPER.

- Conducting safety training/instruction for NYCDOB certification (4-hour Supported Scaffold and Site Safety Manager); NYSDOL (Asbestos Project Monitor, Supervisor, Inspector, Allied Trades); OSHA 10- hour lead and asbestos awareness, NIOSH 582, HAZWOPER (24-hour, 40-hour, Supervisor), Confined Spaces, Hazard Communication and Welding Awareness. .

Technical Manager, On-Site Consulting Services

Mr. Zaremsky performed IH services for Safety and Environmental Management including: IAQ surveys, AED deployment and pandemic preparedness. He supervised contractors performing branch office assessments; initiated chargeback program for services resulting in over $20,000 savings to the department each year; and performed over 800 ergonomic evaluations on client workstations reducing the number of workers' compensation claims related to repetitive strains, as well as reducing the costs per claim. Mr. Zaremsky established a program to monitor air quality during deconstruction of the Deutsche Bank Building, which was contaminated as a result of the September 11, 2001 terrorist attack; collaborated with colleagues to create an SOP Manual for processes essential to facilities management; prepared Risk Management Plans for the sulfuric acid battery rooms in several facilities; and edited and maintained a Disaster Preparedness Guide, providing guidance in preparing for disasters.

Industrial Hygienist

Mr. Zaremsky managed air monitoring projects for the NYC Transit. He assessed damages and performed mold and IAQ sampling for NYC schools and property management companies. He trained employees to allow access to NJ Transit tracks; prepared proposals, reports and project budgets; managed site health and safety operations during exhumation of remains from a potter's field as part of a transportation improvement project; and developed and maintained sampling equipment program, ensuring availability and proper function of company supplies.

Emergency Management Professional

Mr. Zaremsky is a certified FEMA Incident Control System (ICS) and National Incident Management System (NIMS) evaluation and control officer. He has participated in restoring areas stricken by emergencies to safe environments.

Presentations

"New Directions for the Industrial Hygienist," AIHA Annual Northeast Industrial Hygiene Conference, New Brunswick, NJ, December 2005

"Planning for a Pandemic Flu," joint Metro NY AIHA/NY ASSE, February 2008

"OSHA's Proposed Silica Rule," Hudson River Valley ASSE, Orangeburg, NY, October 2013

JOINT VENTURE

KWESI AMEGAH

Professional Experience

Mr. Amegah has more than 25 years of multifaceted experience encompassing inspection, civil and structural engineering as a Civil Engineer. His experience in construction inspection and bridge inspections including completion of various in-depth inspection programs in the New York metropolitan area. He also has experience in civil design including roadway replacements involving drainage, sewers, utilities, curbs and sidewalks. In addition, his structural experience includes the removal, replacement and reinforcement of steel and concrete bridge elements.

PANYNJ, Construction Management Services, NY Marine Terminal, Howland Hook & Teterboro Airport, PIDS, NY and NJ – Senior Inspector responsible for inspection of building demolition at Howland Hook, Staten Island contractor oversight as part of work at NYMT. Mr. Amegah is participating in the testing phase and inspection of the perimeter intrusion detection system, fencing sensors and radar system both day and night at PANYNJ Airport. Also supervised the assembly of large erosion mats made of concrete sections encased in geotextile material being fabricated in Bayonne for future relocation and installation.

NYSDOT, Route I-495 Mill & Fill Exit 57 to 64, Towns of Brookhaven & Islip & Village of Islandia, Long Island, NY – Senior Inspector provided inspection and other related services for 19.9 million dollar project involving grinding existing asphaltic concrete wearing concourse and repaving. Inspection services also include site maintenance and safety protection.

NYCDDC, Resident Engineering Inspection Services for HWCR08B, Citywide Milling Project Involving Grinding Existing Asphaltic Concrete Wearing Course, Manhattan and the Bronx, NY - Inspector responsible for this $7 million project, providing inspection and other related services for projects involving grinding existing asphaltic concrete wearing concourse at various locations on an as-needed basis. Some issues that involve inspection services include site maintenance and safety, protect tree from construction debris, milling two inches of existing asphalt, smaller milling machine was used to grind asphalt in hard to reach places such as around catch basin or corner of a curb and a sweeper was used behind milling machine to clean up the debris. Tasks include all services necessary and required for the inspection, management and administration of this project, for the required construction work to be properly executed, completed on time and conforms to the plans, specifications and requirements of the construction contract.

Connecticut DOT, Construction Inspection Services for I-84 Widening between Waterbury and Cheshire, CT- Senior Inspector provided inspection services for the widening of Interstate 84 between Waterbury and Cheshire, CT. Responsible for inspection of reinforced concrete pipes and the inspection of modifications made to existing interstate bridges. Also responsible for the investigation of catch basins.

Years Experience

25 Years

Office Location

Newark, NJ

Contact

info@kseng.com

KWESI AMEGAH

NYCDDC, Capital Reconstruction Projects - Senior Inspector responsible for NYCDDC capital reconstruction projects, including replacement of major roadways in Brooklyn and Queens and associated drainage, sewer, utilities, curbs, and sidewalks.

NYCDDC, Resident Engineering Inspection Services for HW2CR08B, Grinding and Milling of Various Streets in the Borough of Manhattan, NY- Senior Inspector responsibilities included inspection of milling of roadway pavement resurfacing in the borough of Manhattan for NYCDDC. Responsible for managing inspection staff, reviewing and approving field changes, resolving any construction problems, claims and disputes, supervision of contractor's work, processing of contractor's monthly payments, coordinated with the various community boards, NYCDDC and other related agencies.

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Senior Civil Construction Inspector/Engineer	2014 - Present
Gandhi Engineering, Inc.	Senior Inspector	2011 - 2014
Entech Engineering	Senior Inspector	2010 - 2010
KS Engineers, P.C.	Senior Inspector	2009 - 2010
Munoz Engineering	Senior Inspector	2006 - 2008
STV, Inc.	Senior Inspector	2004 - 2006
Desimone Consulting Engineers	Structural Engineer	2003 - 2004
HAKS Engineers	Senior Inspector	2001 - 2002
Massand Engineering	Inspector	1999 - 2000
New York City Department of Buildings	Assistant Civil Engineer	1988 - 1999
NYC Department of Transportation	Assistant Civil Engineer	1987 - 1988
NYC Department of Transportation	Assistant Team Leader	1985 - 1987

JOINT VENTURE

GEORGE ATSALIS

Professional Experience

M. International, New York, NY, Project Manager - Provided construction administration, field inspections, project management;

Z&T Engineering, PC, New York, NY- Senior Project Manager; Provided concrete inspections and construction administration.

Engineering Group Associates P.C., New York, NY, Project Manager; Performed field inspections (local law 11, concrete, masonry)

Joy Construction Co., New York, NY, Quality Control Engineer: Provide construction oversight for new building construction (building envelope)

Kenry Contracting Inc., New York, NY - Project Manager: Provided concrete oversight for foundations, and structural steel projects

Thornton Tomasetti, New York, NY - Senior Field Engineer: Provided the following services: Building Performance - Façade & Roof Rehabilitation/Renovation Condition Assessment, Construction Administration, Forensics – Structural/Architectural; Property Loss Consulting - Scope of Damage Determination, Cause & Origin Investigation, Building Code Consulting

Athens Suburban Railway (Aktor S.A., Athens, Greece) Deputy Project Manager: Railway Works (including Micro piles, Driven Piles); Road Construction (including widening of existing routes, deep excavations, highway interchanges); Utilities Infrastructure; New Building Construction

Attiki Odos Freeway & Athens Northern Ring Road (Aktor S.A., Athens, Greece) - Construction Engineer/Site Manager: Road Construction, Utilities Infrastructure, New Building Construction

New Athens International Airport (Hochtief A.G., Athens, Greece) - Construction Engineer/Safety Engineer: New Building Construction, Airport Runways, Airport Utilities Infrastructure

Professional Societies

Member - Hellenic American Technical Society

Registered Engineer - Technical Chamber of Greece - 1994

Chartered Member - Institute of Greek Surveyors

Years Experience

Office Location

Newark, NJ

Contact

Info@kseng.com

GEORGE ATSALIS

CHRONOLOGICAL HISTORY OF EMPLOYMENT

Firm	Role	Duration
KS Engineers, P.C.	Civil Engineer	2014 - Present
M. International	Project Manager	2014
Z&T Engineering	Senior Project Manager	2013 - 2014
Engineering Group Associates P.C.	Project Manager	2011 - 2013
Joy Construction Co.	Quality Control Engineer	2010 - 2011
Kenry Contracting Inc.	Project Manager	2009 - 2010
Thornton Tomasetti	Senior Field Engineer	2004 - 2008
Aktor S.A.	Construction Engineer	2000 - 2004
Hochtief A.G.	Construction Engineer / Safety Engineer	1998 - 2000

JOINT VENTURE

AVIRUP DATTA

Professional Experience

Mr. Datta has over 16 years of experience in the field of construction management and constructability review of bridge and highway projects structural rehabilitation, repair work of bridges, and lead and asbestos abatement. Mr. Datta's experience includes hands on inspection of structural integrity, corrosion inspection, concrete testing, deck replacement, hazardous waste management, health and safety compliance, hygiene engineering controls, air monitoring, and paint removal by various methods, and application of paint on various bridge projects.

Mr. Datta's professional experience includes the following:

Resident Representative – Various Improvement/Rehabilitation and Resurfacing Projects in the County of Nassau and Villages, Long Island, New York

As a Resident Representative, Mr. Datta's responsibilities included inspection of rehabilitation project work, inspection of the resurfacing with concrete and asphalt, inspecting and supervising joint and overlay repairs, inspecting full-depth pavement repairs, routine checking adequate curing to prevent cracks also performed inspection of friable asbestos materials such as pipe insulation, piping joints, valve packing, gaskets removal etc. Mr. Datta also provided inspection of traffic control supervision of MPT, putting up signs and road striping (crosswalks, stop bars, etc.), drawing and designing traffic signal plans and road closures as per specifications by Nassau County. Also inspection of electric poles and signal lights computer signal boxes. Installation of offset water main pipes and valves pre-inspection of sub-base preparation and alignment checking of road, writing of Inspectors Daily Reports, cost of work and disputed issues and regulatory compliance with DPW Nassau County, performing various tests such as Slump Test and Air Pressure Test of Concrete, coordinating activities with Regional Office and various other work related agencies and making payments.

Senior Inspector – Priority Repairs to the Park Avenue Tunnel and GCT Train Shed, New York

As a Senior Inspector for the priority repairs to the Park Avenue Tunnel and GCT Train Shed, the project consisted of supervision for the construction of structural improvements within the Park Avenue Tunnel from East 57th Street to East 97th Street, for the repairs to East 72nd Street Emergency Exit under Park Avenue and for certain priority repairs in the Grand Central Terminal (GCT) train shed upper level. The project also consisted of repairs to existing utility bays (installing new shoring or supports) crossing over the tunnel, masonry repairs (pointing and replacement of missing or cracked brick), interior masonry wall repairs (grouting cracks and injecting epoxy into voids in interior brick walls and installing fiberglass sheets as supplemental supports to the walls), concrete repairs (replacement of deteriorated wall foundations and repairs to portions of the tunnel roof that have spalled), steel repairs and heat straightening of certain structural steel members (replace several buckled columns supporting lintels, repairs to members supporting the tunnel roof, including heat straightening of four girders that were struck by passing equipment),

Years Experience

16+

Office Location

Woodbury, NY

repairs to the existing deteriorated support columns in the east tunnel emergency exit located at E. 72nd Street, repairs to several of the vent structures located in the median between northbound and southbound Park Avenue (replacement of portions of the gratings and repairs to the grating supports). Mr. Datta was responsible for coordinating engineering issues such as sites and conditions, etc. between various trades, maintenance of project records and coordinating resolution of field issues with design professionals, maintaining the job schedule, tracking daily progress, and producing daily reports for onsite activity, as well as maintenance of project records and the hoist reservation logs, and writing extra work descriptions and taking daily job photos of work progress.

Park Avenue Tunnel Emergency Exit Repairs at 59th & 86th Street, New York

As a Senior Inspector for the Park Avenue Tunnel Emergency Exit Repair, the project consisted of monitoring and inspection of all construction activities, system implementation work, which included removal and replacement of existing stair support channels, existing stair stringers, checkered landing plate, replacement of corroded hand and guiderails, stair treads, and finally cleaning and painting existing stair and around repaired areas as well as the stair angles and closure plate. The project also consisted of replacement of seals around street hatches at both the East and West side Emergency Exits at 59th Street, as well as 86th Street Emergency Exits. Mr. Datta also conducted inspections to ensure that all work elements were performed and completed in compliance with the project plans, specifications, codes, permits and other applicable regulations as well as maintenance and organization of current set of plans and specs onsite including all processed and approved shop drawings, technical data and samples. He wrote, tracked and logged requests for information (RFI) for clarification of plans and distributed final responses, attached sketches and corrections to the plans keeping the onsite current and accurate. He created punch-lists for contractors' corrective action and maintained logs of Contractor and Engineering Documents (i.e., shop drawings, testing and inspection reports, plans and specifications and bulletins). He maintained the job schedule tracking daily progress, and produced daily reports for onsite activity and also took daily job photos of work progress.

Whitestone Bridge Queens Side Anchorage Cleaning and Painting

As an Office Engineer, Mr. Datta performed maintenance and organization of current set of plans and specs onsite including all processed and approved shop drawings, technical data and samples. He generated order-on-contract, made schedules for inspection crew for daily activities, worked on force accounts and numerous change orders, checked inspector's reports and made progress payments to the contractor. Mr. Datta maintained correspondence logs, minutes of meeting logs, shop drawing logs, RFI logs, force account logs and inter linking each log to necessary correspondences. He performed Change Orders as required and prepared and maintained payments, RFI preparation and administration: write, track and log requests for information (RFI) for clarification of plans and distribute final responses. Mr. Data coordinated engineering issues such as sites and conditions, etc., between various trades and RE. He maintained project records and coordinated resolution of field issues with design professionals, maintained the job schedule, tracked daily progress, and produced daily reports for onsite activity.

As Chief Inspector, this project consists of cleaning and painting of the eye bar chambers, as well as periodic oiling of the cable strands inside the anchorage chambers at 6 month intervals. He also performed detection of cracked and hollow areas within the anchorage concrete base structure surface by performing sounding on the concrete wall surface of the 110 high outside and inside anchorage structure on the Queens side anchorage. The cracks and hollows area were then chipped and cleaned and was patched with new concrete and filled with SIKA epoxy bonding agent.

JOINT VENTURE

DHARAMPAUL DUKHI

Professional Experience

Mr. Dukhi is a construction inspector with over 25 years of experience, skilled at construction methods and practice, mechanics of building constructions (commercial and residential) and building code interpretation. As a senior engineer/inspector, Mr. Dukhi has performed construction inspection and overseen various construction projects such as roads and bridges including: pile driving and tie back construction; road construction work on state and federal projects; foundation work; and materials testing. Mr. Dukhi's professional experience is summarized below:

JFK International Airport

- Resurface the airstrip runaways and taxiways.
- Construction of safety barrier to stop the aircraft in the event of an over run.
- Construction of safety pad in the event that the aircraft cannot stop.

Note: Emphasis on special design mix and testing of material to meet engineering specification and Port Authority of New York standards.

Hudson River Park

- Construction of various parks along the West Side Highway extended into the Hudson River in New York City.
- Entail heavy foundation work, pile driving both concrete and timber pile and dewatering of work area.
- Removal of contaminated material both above and below ground and to ensure at all times the Hudson River does not get contaminated.

Department of Transportation (DOT)

- Work on various projects which consist of resurfacing existing roads and construction of new roads and bridges.

NOTE: Emphasis on foundation work and quality control of construction material used.

La Guardia Airport

- Construction of new boarding gates for US Airways.
- Reconstruction of a concrete taxiway for aircraft which entails heavy foundation work and quality control of special type of construction material to meet State and Federal Regulations.

Long Island Jewish Hospital

- Construction of a new north wing to the existing building.
- Construction of a new multi-level pre-cast concrete garage.

School Construction Authority (SCA)

- Repairs and renovation works to various schools in New York City. Scope of works include structural and architectural work and upgrade of school facilities.
- Evaluate and remove hazardous and contaminated materials both above and below ground such as lead paint and contaminated soil etc.

Certifications

Years Experience
25

Office Location
Woodbury, NY

JOINT VENTURE

JEAN G. DUPRE, P.E.

Professional Experience

Mr. Dupre is a Professional Engineer with over 15 years of experience in highway construction, building construction, and civil engineering. His professional experience includes the following:

Assistant Resident Engineer/Senior Inspector - Tallman Island Wet Weather Maximization and Regulation Modification (NYCDEP) - Powell's Cove Park New Interceptor (College Point, NY)

This project consisted of the installation of a new precast concrete interceptor pipe (6'X6') and storm sewer chambers which included all the following work over about 3,000 feet: driving steel sheeting, excavation, support of excavation (bracing, walers, timber lagging), pile driving filled with concrete, rebar installation, concrete pile cap foundation, pipe installation, backfilling and compaction, steel sheeting removal and maintenance and protection of traffic (detour signs for permanent closure). This project also consisted of the replacement and relocation of an existing 8" water main located on 130th Street between 114th and 111th Avenues, with a new 8" (DIP) pipe, with new hydrant and valve.

Supervising Inspector, Grand Central Parkway, 94th Street Interchange Improvements Project (Queens County, NY).

This project consisted of the rehabilitation of the 94th Street Bridge new superstructure (concrete deck, steel girder and bearings), new substructure (pier, south abutment and wingwall), increase of the span length between the pier and south abutment and widening of the Grand Central Parkway and existing ramp to LaGuardia Airport, steel sheeting with tieback, timber lagging and pile driving. Pavement rehabilitation included full and partial depth concrete slab repairs, installation of new permanent concrete barriers in the median of GCP, milling of HMA pavement and resurfacing, new asphalt pavement overlays, retaining wall (T-wall), drainage structures (new catch basin, manhole, reinforced concrete pipe) .For bridge deck replacement, we installed a new temporary steel bridge on 94th Street to carry the traffic for staged deck reconstruction.

Senior Inspector, Nassau Expressway and Interim Nassau Expressway Pavement and Bridge Rehabilitation and Resurfacing (Queens County, NY)

This project consisted of the rehabilitation of 6 km of PCC and HMA pavement on Nassau Expressway and Rockaway Blvd., the rehabilitation of seven bridges, the roadside improvements with HPBO CBGR, new striping and pavement markings, restoration of 0.8 mile of sidewalk along Rockaway Blvd. for connection to future bike path starting at Brookville Blvd. Pavement rehabilitation included: full and partial depth concrete slab repairs, replacement of existing asphalt concrete pavement with prefabricated concrete slabs, asphalt concrete milling and resurfacing, new asphalt pavement overlays, full and partial depth pavement replacement and concrete pavement diamond grinding. Bridge rehabilitation

Certifications

Years Experience
15+

Office Location
Woodbury, NY

included: deck replacement including rails and lighting, approach slab reconstruction, structural steel painting and bearings replacement on two bridges, superstructure replacement and piers and abutments repair on three bridges, repair of deteriorated deck, cleaning (SP10) and painting of structural steel on two bridges. For bridge deck replacement, we performed temporary shoring systems (structural lifting operations) for staged deck reconstruction and long term lane closure for Maintenance and Protection of Traffic (MPT).

Highway Inspector, Meadowbrook State Parkway Intelligent Transportation System (Nassau County, NY)

The work performed under this contract consists of the installation of eight new Variable Message Signs (VMS), cameras, acoustic detectors and road signs on the above mentioned parkway. The major items of work executed included but were not limited to: survey and stake out to locate the placement of the foundations structures for the cameras and detector poles, VMS sign legs and road signs, control of lane and shoulder closure and detour of traffic as per Maintenance and Protection of Traffic plans, excavation to place underground pipes, pull boxes, precast concrete foundations for cabinets and poles. Concrete was also poured on field for the foundations of the trussed span and cantilever sign structures and tests such as slump, temperature, unit weight and air pressure were performed as per ACI requirements. Conduit jacking across ramp and main line of the parkway, clearing and grubbing to make room for structures were also performed. Top soil placement and turf establishment was performed on all shoulders of the parkway. Mow strip asphalt had been installed around the concrete base of cabinets and poles.

Nassau County Project "2006 Resurfacing Tracking, Phase I"

This project consisted of making a survey on six major roads in Nassau regarding their existing conditions and reporting the findings v(cracks, holes, patching, bumps) in drawing design for future repair. All drawing and sketches were made in strict accordance with project's specifications and NYS rules and regulations.

NYSDOT Installation of Durable Pavement Safety Markings in Nassau and Suffolk Counties

This project consisted of installing new pavement markings (symbols, lines, letters, markers) on various roads and highways in Nassau and Suffolk Counties. Under this job, we provided Maintenance and Protection of Traffic (MPT) in full accordance with the MUTCD, codes rules and regulations of NYS-DOT. We checked if the size, format and brand of the material used were in compliance with the project specifications and requirements. We installed crosswalk, stop bar, turning and straight arrows (Tape and Thermoplastics), yellow and white line (Epoxy) and reflective markers. We did the record keeping of the project by means of M.U.R.K. system and the enforcing of contract plans to NYS-DOT specifications. We provided daily report of Contractor activities, estimated quantities for payroll and prepared field progress and punch list.

Construction Inspector - Municipal Testing Laboratory, Inc.

Mr. Dupre monitored various kinds of masonry and concrete works such as: structural facing tile, exterior cavity wall-column at inside and exterior corner – spandrel beam and relieving angle. He verified if execution of works and materials used complied with New York City School Construction Authority Standard Specifications and the New York State Building Code. He reviewed mortar and/or concrete mix design and mixing procedure eventually, tested and sampled freshly mixed concrete and/or mortar, and monitored concrete field testing (slump, air content, unit weight and temperature). Mr. Dupre approved or rejected the use as per American Concrete Institute (ACI) or American Society for Testing Materials (ASTM) requirements, monitored curing operation after placement, and performed soil and asphalt compaction test using the troxler nuclear gauge.

JOINT VENTURE

JOSE P. VELASCO

Professional Experience

Mr. Velasco is experienced in all phases of construction inspection, supervision, management, design coordination and scheduling. His experience includes construction inspection of highway, bridges and marine projects with emphasis in project management, record keeping, quality control, material testing, closeouts, problem solving, constructability reviews and estimating. Mr. Velasco supervised the fabrication and installation of electrical panel board, raceways, positive feed cups, magnetic elevators and steel skid. He supervised the erection of a five-story glycerin building and the installation of underwater outflow, bulkhead, bulkhead shoe, pile driving, pressure cookers and coolers. He also monitored application of industrial abrasive, coating and sealers to different industries and supervised the installation of industrial pumps.

Mr. Velasco's professional experience includes the following:

Rehabilitation of 56 Bridges on Various Locations, Orange and Rockland Counties
Mr. Velasco was in charge of repainting the bridge girders, replacement of bearings, steel repairs, pedestal replacement, bridge joints replacement and columns concrete repairs.

NYCDEP Croton Aqueduct Rehabilitation and Site Restoration
Mr. Velasco was the Senior Inspector for the removal of shaft covers, removal of ladders, concrete shaft wall repair and grouting of leaks and voids; rehabilitation of the surface structure, blow off chamber, stream raceway and related surface improvements; and rehabilitation of the 7 mile long pressure tunnel lining, including crack repair, brick replacement, contact grouting, consolidation grouting and leak repair.

New York City Department of Transportation, Replacement of Steinway Street Bridge Over Grand Central Parkway, Queens NY.
Senior Inspector for the remaining task to be done namely construction of the bridge sidewalks, ADA ramps, railings, fence, pedestrian and traffic signals, light poles on the bridge and on the GCP median, luminaries installation on the underpass and permanent symbols and marking stripe of the roadway

New York City Department of Transportation, Emergency Repairs of Existing Bridges in Manhattan, Queens, Bronx, Brooklyn and Staten Island. New York.
Mr. Velasco oversaw, inspected and managed the on-going repair of the substructure of bridges on time and material basis. He maintained reasonable manpower and recommend additional depending on the extend of repairs and intricacy of the task, signed and recommended timesheet for timely billing, recommend priorities depending on the condition of the structure and its role with the bridge system.

Years Experience
6

Office Location
Woodbury, NY

TBTA, Replacement of the Exhaust Fan, New York. (Queens and MidTown Tunnels Bldg)
Mr. Velasco was Senior Inspector for the replacement of 23 units of existing exhaust fans, floor concrete placement, replacement of damper doors, installation of fan bearing support and motor pedestals, installation of fixed and floating bearing, inlet cones, rotor of the fan, steel partition wall, u-bolt, drainage system, evase and construction shield, transition assembly, fan housing, fan bearing support and motor anchors, damper operator and 24 hours test run of the new fan, as well as demolition of the existing fan housing and partition wall.

New York State Department of Transportation, Henry Hudson Parkway Maintenance Repair of 19 Bridges, New York.

Mr. Velasco was the Senior Inspector for steel repairs to girders, joint replacement, asphalt overlay, deck repairs, joint resealing, replacement of bearings with elastomeric bearings, epoxy coating of abutments, pedestals and back walls, shaft drilling, column replacement, and repairs to approach slabs and pavement.

New York City Department of Design and Construction, Grinding Various NYC Roadways, New York and Bronx Counties, New York

Mr. Velasco was Senior Inspector for grinding and milling existing streets and roadways and construction of a new asphalt wearing course.

Federal Emergency Management Agency, World Trade Center Fire/Explosion Recovery Effort, New York City

Mr. Velasco was Debris Specialist and inspected and monitored debris removal at the World Trade Center site.

FDR East 60th Pier Rehabilitation, New York

As Structural Engineer, Mr. Velasco was responsible for in-depth inspection, preliminary estimates and structural studies of the present condition of the receiving platform and supports. He was involved in preliminary design for rehabilitation of sheet piles and recommended means of reinforcing the present condition of the bulkhead for comments and studies from NYSDOT.

Metro North, Mount Kisco Bridge, New York

Mr. Velasco was Senior Inspector for the demolition and replacement with box beam stringers. The work included installation of box beam modules and post-tensioning of cable strands, installation of reinforced concrete deck, half section concrete parapet, bridge rail, epoxy deck sealer, stone ballast and rail tracks.

West 26th Street Float Bridge, New York

As Structural Engineer, Mr. Velasco performed structural analysis of the existing structure to determine its reaction during lifting for repair and transporting to Virginia for rehabilitation. He conducted structural analysis for each preliminary design of skirts for piles protection.

New Jersey Department of Transportation, MAGIC Project, New Jersey

Mr. Velasco was the Office Engineer for the installation of fiber optic along Route 80, Interstate 287, Route 46 and George Washington Bridge. He maintained incoming and outgoing correspondence, daily entry of quantities to computer, mark –up for as-built, daily schedule for inspectors, maintained the function of office equipment and office supplies, send out agendas to contractors and parties involved with the project, and wrote minutes of the progress meetings. He scheduled work for inspectors during scheduled no work day or activities.

New York City Department of Transportation, Erskine Bridge, New York

Mr. Velasco was Office Engineer and Inspector of pile driving, deflection of piles and slurry placement of the annular of the grade casing and pile at both abutments. He supervised the relocation of the high pressure pipe from the pump station to the filtration plant that interfered with the construction of the abutment.

JOINT VENTURE

JOHNNIE S. YOUNG

Professional Experience

Mr. Young is a construction inspector with over 32 years of experience. Mr. Young's specific experience is summarized below:

Field Inspector - EDC - Brooklyn Rail No.1369004 and 13690006, Brooklyn, NY

Project involved removal of existing and placement of new railroad tracks, electric ducts, and substation, storm sewer, catch basins, 20-inch, 12-inch and 8-inch water main, sidewalk, curb and roadway reconstruction.

Field Inspector - DDC Capital Project No. RED-363 Staten Island and Brooklyn, NY

Project involved replacement of existing 6 inch water main in various locations within the two boroughs, installation of new 8, 12 and 20 inch water main lines.

Field Inspector, DDC Capital Project No.SE-208C, Harold Street. Staten Island, NY

Project involved installation and replacement of existing water main, sanitary and storm sewer, sidewalk, curb and roadway reconstruction.

Field Inspector, DDC Capital Project No.RED-362, Staten Island and Brooklyn, NY

Project involves replacement of existing 6 inch water mains in various locations with two boroughs, installation of new 8, 12 and 20 inch water inch water main lines. (Rom Engineering P.C.)

Field Inspector, DDC Capital Project No.RED-361, Staten Island and Brooklyn, NY – Water Main Replacement

Project involved replacement of existing 6 inch water main in various locations within two boroughs, installation of new 8, 12 and 20 inch water main lines.

Field Inspector, DDC Capital Project No.RED-359, Staten Island, NY, Water Main Replacement

Project involved replacement of existing 6 inch water main in various locations within the borough, installation of new 8, 12 and 20 inch water main lines.

Field Inspector, DDC Capital Project No.RED-357, Staten Island, NY: Water Main Replacement

Project involved replacement of existing 6 inch water main in various locations within the borough, installation of new 8, 12 and 20 inch water main lines.

Field Inspector, DDC Capital Project No.RED-355, Staten Island, NY: Water Main Replacement

Project involved replacement of existing 6 inch water main in various locations within the borough, installation of new 8, 12 and 20 inch water main lines.

JOHNNIE S. YOUNG

Field Inspector, DDC Capital Project No.RED-353, Staten Island, NY: Water Main Replacement
Project involved replacement of existing 6 inch water main in various locations within the borough, installation of new 8, 12 and 20 inch water main lines.

Field Inspector, DDC Capital Project No.RED-352, Staten Island, NY: Water Main Replacement
Project involved replacement of existing 6 inch water main in various locations within the borough, installation of new 8, 12 and 20 inch water main lines.

Sewer Inspector, DDC St George Road Project No. SE 733-735, Staten Island, NY
Mr. Young was responsible for basic surveying, field testing of concrete, asphalt and soil. He observed backfill, inspected pipes being used and record sidewalk damaged by contractor.

Roadway Inspector, DDC Sharrott Avenue Project No. SE 635, Staten Island, NY
Mr. Young was responsible for basic surveying, field testing of concrete, asphalt and soil. He observed backfill, inspected pipes being used and record sidewalk damaged by contractor.

Sidewalk Inspector, DDC Sidewalk Project, New York, NY
Mr. Young was responsible for the proper use of materials and compaction of soil used on sidewalks that have been violated by New York City.

Telephone Inspector, NYNEX, New York, NY
Mr. Young was responsible for the protection of telephone lines in area of construction sites.

Sewer Inspector, Brooklyn Sewer and Water, New York City Sewer Department
Mr. Young performed basic surveying, field testing of concrete, asphalt and soil. He observed backfill, inspected pipes being used and record sidewalk damaged by contractor.

Construction Inspector, Southern State Parkway, New York State Department of Transportation
Mr. Young was responsible for basic sampling and field testing of materials in the field. He Computed and recorded areas, volumes and cost extensions, performed basic surveying.

Construction Inspector, Whitestone Expressway Reconstruction, New York State Department of Transportation
Mr. Young performed basic surveying, computed and recorded areas, volumes and cost extensions. He inspected and recorded steel beams, concrete, soil and asphalt and record findings.

Résumés

Haider Engineering, P.C.

STRUCTURAL INSPECTOR
EMAD QADI

CREDENTIALS/REGISTRATION

MOSCOW UNIVERSITY MOSCOW, USSR
GRADUATE COURSES AT NJIT, 1992.
MASTERS OF SCIENCE IN CIVIL ENGINEERING.
SETON HALL UNIVERSITY – MASTERS PROGRAM – DIPLOMACY AND INTERNATIONAL RELATIONS · REGARDING ENVIRONMENTAL ISSUES

PROFESSIONAL AFFILIATIONS

ACI CERTIFIED SPECIAL INSPECTOR

YEARS OF EXPERIENCE

19 YEARS

MISCELLANEOUS

OSHA, METRO-NORTH AND BRIDGE PAINT SAFETY COURSES.
HAZARDOUS WASTE REMOVAL AND DISPOSAL, INTERESTS
STRUCTURAL STEEL AND BOLTING SPECIAL INSPECTOR
ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR

TECHNICAL SUMMARY

Mr. Emad Qadi is experienced in all types of Bridge construction and Repairs, Construction and Renovation, Trestles, Bridges, Commercial High-rise, Residential, School Construction and Rehabilitation, Railroad, Environmental Cleaning and heavy Civil works. Emad is also experienced in Design Reviews, Estimates Preparation, Preparing and negotiation of Change Orders, CPM schedule review and site visibility studies.

Mr. Qadi is Field Management oriented, possessing a strong grasp of computerized project management control systems, management of contracts, and the interpersonal skills required for building relationships with building occupants and owner personnel. Emad has more than 19yrs experience of which 7 years as a Resident Engineer and 5 years as a Senior Construction Manager.

PROFESSIONAL EXPERIENCE

7/07 – Present
Construction Management Services During 2010, 2011 and 2012 – Newark Airport Construction Inspector Responsibilities are Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions. Check Daily contractor work and prepared daily reports.
Contact Person: Peter Rozpedowski, Resident Engineer, PA, 973-961-6110

Haider Engineering, P.C., New York Project: NY & NJ Port Authority #410-07-002, Performance of Expert Professional Construction Management Services During 2007, 2008 and 2009 – Newark Airport- Construction Inspector; Responsibilities are Responsibilities are Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions. Check Daily contractor work and prepared daily reports.
Contact Person: Peter Rozpedowski, Resident Engineer, PA, 973-961-6110

Oct. 06 – End of April 2006. Lead Project Officer New York City, NY – USA: Job totaling $30,000,000.00 work included building a new school and two level 90 feet long bridge over the highway to existing school, foundations, structural steel, Fireproofing, extensive concrete placement, plumbing, electrical, fire sprinkler, intercom system, data lines, fiber optics, security cameras, central air conditioning, roofing, emergency generator installation etc. In charge of all field operations managed 12 Engineers, 12

Subcontractors and 110 Laborers. Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions.

Mar 2005 - August 2006 MAG Construction, Dubai, UAE, Contracts Manager – Contract Assignment; 66 Story Tower in the Arabian Gulf, total cost $105 MM. Construction included a four-story day care center; Prepared BOQs (Bill of Quantities) based on Architectural Contract Drawings, Prepared, related by trade, Contract Drawings and Specifications for Bidding, Advertised/solicited Subcontractors, Conducted walk-through with potential Subcontractors, Qualified Subcontractors to perform required work, i.e. Bonding, Insurance.

Dec 2003– Mar 2005 QAD, Inc. Upper Montclair, NJ Chief Engineer – General Contractor: Constructed a 16-unit apartment building located in East Orange, NJ, Designed and constructed a 16,000 SF commercial space located in Orange, NJ, Designed and built homes, Designed financed and built residential building in Amman, Jordan, Estimated, scheduled and obtained financing for projects, Prepared Contract Drawings and wrote job specifications, Obtained zoning and building permits.

May 2001– Dec 2003 Jacobs Engineering, New York, NY : Construction Manager of nineteen Public Schools of the State of NJ Health and Safety Program at Paterson Public School System, total construction cost $700 MM; Managed six civil engineers. Reviewed Architectural Designs, structural, electromechanical, entertainment arenas, theater for three schools, worked with independent estimators, prepared phasing plan to conduct construction during School occupancy, Prepared Site Specific Health and Safety Program.
Prepared QA/QC Plans, Determined and prioritized school repairs, i.e. meeting fire code requirements/safety regulations, eterias, HAVC, etc, Advertised for job biddings.

Oct 1996- May 2001 Jacobs Engineering RE/Construction Manager; Extensive Steel/Concrete Repairs at Bayonne and Outer bridge Crossing (The Port Authority of NY and NJ – Client). Brooklyn Polytechnic (Assistant RE): Construction of Dormitory, Stadium and Cafeteria. In Charge of Contract Specifications, Estimates and Design Review and 24Hrs/3 Shift Field Operations, Work Totaling $115 MM.

STRUCTURAL ENGINEER
JAMES A. YHAP, N-IV

CREDENTIALS/REGISTRATION

NEW YORK CITY TECHNICAL COLLEGE – BROOKLYN, NY.
1998-1999
CURRICULUM: CIVIL ENGINEERING

PROFESSIONAL AFFILIATIONS

ICC CERTIFIED BOLTING INSPECTOR
MEMBER, AMERICAN WELDING SOCIETY

YEARS OF EXPERIENCE

23 YEARS

MISCELLANEOUS

11/06 LEED GREEN BUILDING RATING SYSTEMS – LIRO,
08/06 MICROSOFT WORD 2000 – YMCA,
02/05 SAFETY PROCEDURES WHEN WORKING ON METRO-NORTH PROPERTY, MTA,
11/03 FIELD FIXES - SOLUTIONS AND PREVENTIONS – AISC,
08/03 FUNDAMENTALS OF POST-TENSIONED FOUNDATIONS– PTI,
06/03 SOFTWARE APPLICATION (MS WORD AND EXCEL) – QEOC,
03/02 WELDING DESIGN ISSUES SEMINAR – SINY,
08/01 THE REVISED RCSC SPECIFICATION – AISC
10/99 FUNDAMENTALS OF FASTENING TECHNOLOGY AND BOLTED JOINT DESIGN – CLEMSON UNIVERSITY
10/97 CONCRETE REPAIR BASICS – ACI,
04/97 STRUCTURAL WELDING AND SPECIFICATIONS – SSTC,
11/96 CONCRETE FIELD TESTING TECHNICIAN – ACI,
05/96 SAFETY TRAINING COURSE (CSG- 101) – AMTRAK,
05/95 SURVEYING I – IDC,
LEVEL IV – NICET
04/92 INSPECTION OF PORTLAND CEMENT CONCRETE COURSE – NYCDOT,
10/90 QUALITY REQUIREMENTS FOR STEEL STRUCTURES – SSTC,
03/90 BRIDGE INSPECTIONS, EVALUATION AND REHABILITATION – ASCE,
11/88 METHODS OF BRIDGE INSPECTION – NYSDOT
06/87 DRAFTER COURSE – JUMP

TECHNICAL SUMMARY

Mr. James A. Yhap NICET IV has more than 22 years of Experience in the field of Construction management, Inspection and supervision. His professional experience includes: reconstruction and rehabilitation of road and bridges, buildings, treatment plant, upgrading drainage systems, construction of pipes, steel erection, deck construction, and demolition. He gained this experience with NYCDEP,TBTA, NYSDOT and other agencies. He has supervised Contractor's work in accordance with Construction Plans and Specifications. Prepared Inspector's Daily Report kept track of Pay Items, Performed Slump and Air-Entrainment Tests to check the consistency of the Concrete. Following are the projects he has worked on:

PROFESSIONAL EXPERIENCE

Haider Engineering P.C- Chief Inspector, 6/13 to 2/14.
ConnDOT CSO 2183, Project No. 0172-0412 & 0172-0413 for Construction Engineering and Inspection Services (Road, Bridge, Aviation) Pavement Marking. This project consisted of installation of Epoxy Resin Pavement Markings on Interstate Routes in the same locations as the existing epoxy resin pavement markings, except when indicated otherwise in the contract documents or by the Engineer in Various Towns in District 2. The new pavement marking that was installed differed from the previous pavement markings, per the contract plans for the updated pavement markings. As an inspector, his assignment was to inspect all contractors work and ensure conformity with the ConnDOT's plans and specification for the duration of the project. Some of his assignment also included maintenance and protection of traffic during project activities. All records were kept in accordance with the Manual of Uniform Record Keeping (MURK).
Contact Person: Mr. John Dunn, Project Engineer, ConnDOT. Tel: (860)823-3262

Haider Engineering P.C-Senior Construction Inspector, 12/08 to 2/13
NYCDEP Contract NC-CM03, New Town Creek CM Services
Contract: NC-CM03, PIN: 82607WP01081: NC-CM03 provides for Construction Management Services in connection with Construction Contracts NC-41 (G, E, H, P), NC-43, NC-47 (G, E, H, P), NC-48, NC-50 and NC-51 (G, E, H, P).
This construction contract involves construction of the Residuals building and all its mechanical components. The Central Residuals Building (CRB) was designed to centralize the removed residuals (screenings, grit, and scum) to facilitate the removal of residuals from the site and to maximize the necessary odor control of these residuals. The CRB will include the following equipment;

- § Secondary Influent Screens
- § Waste Sludge Screens
- § Grit Cyclones
- § Grit Classifiers
- § Skimming Concentrators

§ Residuals container storage and loading areas
§ Manhattan Flow Meters
§ Carbon Absorber Odor Control Systems

This reconstruction involved the demolition of block walls installed in the tanks under the interim upgrade to simulate step feed flow and demolition of tank walls where the new detritor grit facilities and a new common channel upstream of the aeration tanks will be constructed. The complete replacement of tank equipment, piping and auxiliary systems is included in the reconstruction. The existing South Control Building was originally slated for demolition, including construction of a completely new South Control Building. This plan is currently being reviewed for possible schedule benefits from a partial reuse of the existing south control buildings.

Contact Person: Claude Oriol, Project Engineer NYCDEP Phone# (718) 707-4105

02/05 to 12/08-The LiRo Group.,Senior Inspector:
NYCDOT: Rehabilitation inspection of the Brooklyn Tower Esplanade of the Brooklyn Bridge spanning the East River between the boroughs of Manhattan and Brooklyn, NY.
NYCDOT: Rehabilitation inspection of the Gun Hill Road Bridge over Metro-North Railroad in Bronx, NY.

05/02-02/05- Urbitran Associates,Senior Inspector:
NYCDOT: Rehabilitation inspection of the Cross Bay Boulevard Bridge over Conduit Boulevard in Queens, NY. **NYCDOT:** Rehabilitation inspection of the Guy R. Brewer Boulevard Bridge over Belt System-Southern Parkway in Queens, NY.

09/96-05/02 Munoz Engineering P.C, Senior Inspector / Inspector:
NYCDOT: Reconstruction inspection of the Flatbush Avenue Bridge over Belt Parkway in Brooklyn,NY
NYSDOT: Construction inspection of asphalt concrete, milling, and resurfacing on various routes in Westchester, **NY.** **NYSDOT**: Construction inspection of asphalt concrete, milling, and resurfacing on various routes in Putnam and Dutchess, NY.
NYSDOT: construction inspection of sign structure installation on the Major Deegan Expressway in Bronx, NY. NYSDOT: Construction inspection of sign structure installation on I-295, I-695 and 907F in Bronx, NY.
NJHA: Construction inspection of the Garden State Parkway Bridge repair in Monmouth County, NJ. MISC: Topographic surveying of several projects in NY and NJ.
NYSDOT: Construction inspection of guide rail, overhead signs and landscaping improvements on Routes I-278 and 440 in Staten Island, NY. NYCDOT: Reconstruction inspection of the Melrose Avenue viaduct over Conrail in Bronx, NY.
NYSDOT: Overhead Sign Structure Installation on the Major Deegan Expressway in The Bronx, NY
He was responsible for the inspection of daily MPT setups, excavation for sign structure footings and foundations, installation of steel and timber sheeting, placing rebar cages, setting anchor bolts, structural concrete placement, installation of sign posts and columns, installation of overhead cantilever and span trusses, installation of reflectorized sign panels, installation of galvanized steel conduits, installation of luminaires, pulling, testing and terminating of electrical conductors. A number of sign structures were installed on the 72 span Major Deegan Expressway Viaduct and Ramps to the George Washington Bridge. Some were anchored to the existing concrete parapets. Others were bolted on to the existing structural steels. The existing structural steels were drilled and the new sign structure posts and columns were bolted on.
Reference: Mr. Doug Effner, Engineer In Charge (NYSDOT- Region 11)

NYSDOT: Guide Rails, Overhead Signs and Landscaping Improvements on Routes I-278 and 440 in Staten Island, NY (Contract No.
He was responsible for the inspection of daily MPT setups, short and long terms construction signs installation, clearing site, unclassified excavation, guide-rail installation, asphalt mow strip (under guide rail and around bases of sign structure columns) installation, topsoil, fertilizer, grass seeds and mulch installation.
Reference: Ms. Joan Titus, Engineer In Charge (NYSDOT- Region 11)

SENIOR INSPECTOR
MUHAMMAD M. TAHIR, NICET-IV

CREDENTIALS/REGISTRATION

M.S. ENVIRONMENTAL ENGINEERING, MAY 1990
NEW JERSEY INSTITUTE OF TECHNOLOGY, NEWARK, NEW JERSEY
B.S. CIVIL ENGINEERING, DEC. 1985

NICET LEVEL – IV
CERTIFIED NACE SESSION - I COATING INSPECTOR (NACE INTERNATIONAL)
CERTIFIED NACE CORROSION TECHNICIAN (NACE INTERNATIONAL)
CERTIFICATE OF COMPLETION FOR BASIC CORROSION (NACE INTERNATIONAL)
C-3 SUPERVISOR / COMPETENT PERSON TRAINING FOR DELEADING OF INDUSTRIAL STRUCTURE (SSPC)
CORROSION CONTROL CERTIFICATE - COATING SELECTION, SURFACE PREPARATION, APPLICATION METHODS AND INSPECTION INSTRUMENTS (S.G. PINNEY & ASSOCIATES, INC.)
LEAD AWARENESS CERTIFIED (LEIGHTON ASSOCIATES, INC.)
ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I
AUTO CAD
CERTIFICATE IN PRIMAVERA CPM SCHEDULING

PROFESSIONAL AFFILIATIONS

MEMBER – AMERICAN SOCIETY FOR QUALITY (ASQ)

YEARS OF EXPERIENCE

20 YEARS

MISCELLANEOUS

MICROSOFT OFFICE, WORD PERFECT, NYSDOT CEES

TECHNICAL SUMMARY

Mr. Tahir is NICET-IV certified and has a Master Degree from NJIT (New Jersey Institute of Technology) with over 20 years of experience as a *Resident Engineer/Chief Inspector/Office Engineer* with a demonstrated record of success in Resident Engineering Inspection Services for roadways, sidewalks, bridges, sewers and water main civil, related projects. He gained this experience on NYCDDC, NYSDOT, NYS Thruway and NYCDEP projects. As a **Resident Engineer**, he supervised Contractor's work and the Inspection Staff in a professional manner. He acted as Liaison Person on various projects to coordinate with the various agencies concerned. He has worked on the following Projects:

PROFESSIONAL EXPERIENCE

Haider Engineering, P.C. - (03/2014–Present): Resident Engineer: HWS2013Q, PIN: 8502013HW0052P Resident Engineering Inspection Services for Sidewalk Reconstruction and Replacement Borough of Queens, NY. DDC. Responsibilities includes project record keeping as per MURK, official correspondence, material certifications and acceptances, verification of condition/quality of material delivered and work performed, concrete testing, pre-construction pictures, punch list, as-built, payrolls, daily reports, weekly and monthly project status reports, change orders, contractor's partial payments, meeting minutes, daily work schedule notifications and MPT violations. **Haider Engineering, P.C.** providing Resident Engineering Inspection Services for construction of new concrete and steel faced concrete curb, construction of sidewalk, site safety and liaison of work with city agencies, maintenance protection of traffic; installation of sidewalk on various communities in the Borough of Manhattan; Sidewalk assessments accurate and properly recorded by block, lot and address; Photographs of existing sidewalk conditions for each sidewalk violation properly indexed by address, block and lot; Conducted Field survey to mark the limits of sidewalk to be constructed for designated properties as per DOT list. **Contact Person: Engineer in Charge: Mr. Jocelyn Damis, Deputy Director, Ph# 718-391-1955**

Haider Engineering, P.C. - (02/2013–02/14): Office Engineer: HWCRQ02S, HWP2012R, Construction of Pedestrian Ramps, Borough of Staten Island, NY. DDC. Responsible for project record keeping as per MURK, reports for field inspections, review of contractor's project schedule, meetings and its minutes, monthly contactor's estimates, correspondences and coordination of office and field activities with contractor and the client. Inspector reports, payments, and liaison with City agencies and utility companies.

The inspection work for the Installation of **Pedestrian Ramps and Sidewalks** at the designated locations in the Borough of Staten Island, Assisting the Resident Engineer in Coordination with NYCDOT, NYCDDC to obtain the list of locations for the various properties and coordination with the various communities' boards about the schedule of works. Also checking of the contractor's MPT Plans to make sure the work has been done in a safely manner

Contact Person: Mr. Mansukh Mavani, P.E. EIC, NYCDDC (917) 939-6792

Haider Engineering P.C- (Nov. 12 - 01/2013): Chief Inspector: REI FOR Three (3) Emergency Contracts HWSEMERG4 following 2012 Hurricane Sandy, Boroughs of Queens, Manhattan, Staten Island, Brooklyn and the Bronx. PIN: 8502013HW0040C, 8502013HW0041C, 8502013HW0042C – NYC DDC Haider Engineering, P.C. has provided Construction Inspection Services for the installation of **new sidewalks** at designated locations in various community boards in the boroughs of Staten Island, Brooklyn, Queens, and the Bronx. It included the following:

- Conducted Field survey to mark the limits of Sandy damaged sidewalk from the DOT list
- Computed quantities for each location showing Lot, Block & address
- Replacement of Steel and Concrete faced curbs at designated locations
- Coordination with community board prior and duration of the project
- Checking Contractor's MPT for the safety of pedestrians
- Inspection of the pedestrian ramps to make sure the slope does not exceed 8%
- Inspection of reveal of curb and ramp as per specifications
- Sidewalk assessments accurate and properly recorded by block, lot and address
- Photographs of existing sidewalk conditions for each sidewalk violation properly indexed by address, block and construction. **Contact Person: Mr. Mahesh Rana, E.I.C., NYCDDC, 718-391-1965**

Haider Engineering P.C: (7/2012-10/2012) Chief Inspector-NYCDOT- Reconstruction of Carlton Avenue Bridge over LIRR - Types of works includeed Demolition of sub-structure, Installation of Piles, Abutments, Wing Walls, Beams and Girders, Deck, Approach Slab, Parapet, **Sidewalk, Curbs**, Street lighting and Pavement Marking.
Contact Person: Engineer in Charge: Mr. Tony Ohikuare, Project Engineer, NYCDOT, 212-839-4015

Haider Engineering P.C: (05/2008-07/2012) Resident Engineer - WSHD-2A and 3A CM: Construction Management Services in Connection with Miscellaneous Projects in the New York Watershed Area. PIN: 82606WM00182 & 82606WM00183, DEP. The work under this Contract is to provide Construction Management Services for Capital Project WM-30, which includes the various construction contracts.
DEL-25, "Rehabilitation of Kensico South Effluent Chamber & Catskill Screen Chamber" This is mostly Shaft 18' Chlorination System / New Equipment Installation. Meetings with NYCDEP and to discuss & optimize work plan/procedures to effect completion, without disrupting ongoing chlorination during necessary shut-offs.
DEL-57, This is the Health & Safety / Work Plan for DEL-25. The Report was completed by WESTON SOLUTIONS and submitted to DEP.

Resident Engineer – New York State Thruway Authority Contract for Pavement Resurfacing and Miscellaneous Safety Work between M.P. 11.75± and M.P. 25.03± in Rockland County (2003) Responsibilities involved project record keeping as per MURK, material certifications and acceptances, preconstruction and progress pictures, payrolls, subcontractor's approvals, nighttime lighting plans, contractor's monthly payments, meeting minutes, lane closure notifications, change orders, progress schedule, and punch list. Periodic inspection of contract activities involving full depth repairs, cold milling of existing asphalt concrete pavement and shoulders, resurfacing, routing and sealing joints, pavement striping, installation of S.T.A.R., replacement of inductance loops, modification of existing guide rail systems, miscellaneous drainage work, maintenance & protection of traffic.

Office Engineer – New York State Thruway Authority Contract for Pavement Repair, Interchange Modifications, Bridge Joint Repairs, Noise Wall Modifications from M.P. 16.80± and M.P. 29.54± and Miscellaneous Work in the New York Division of the New York State Thruway in Rockland County (09/2005 – 11/2007)_The work consisted of ramp widening, noise wall modifications, concrete and steel repairs to bridges, armored expansion joints, waterproofing bridge decks, guide rail, rehabilitation of roadway drainage, milling and paving. Responsibilities involved project record keeping as per Manual for Uniform Record Keeping (MURK), material certifications, contractor & subcontractor payrolls, contractor's bi-weekly estimates, meeting minutes, lane closure notifications, Order-on-Contracts (OOC), force account work, progress schedule, Equal Employment Opportunity (EEO) correspondences, periodic field inspections and coordination of daily office and field activities with contractor and the client.

COATING INSPECTOR
PIERRE JEANTY

TECHNICAL SUMMARY

CREDENTIALS/REGISTRATION

B.S. YORK COLLEGE CUNY IN ENVIRONMENTAL HEALTH SCIENCE 1999 SPECIALIZED IN INDUSTRIAL HYGIENE, ENVIRONMENTAL MANAGEMENT.

PROFESSIONAL AFFILIATIONS

YEARS OF EXPERIENCE

14 YEARS

MISCELLANEOUS

-C-3 SUPERVISOR COMPETENT PERSON, HEALTH AND SAFETY OFFICER
- OSHA CONSTRUCTION AND SAFETY
- CONFINED SPACE
-CAPITAL PROJECT NYCDOT BRIDGES CERTIFIED NACE COATING INSPECTOR LEVEL 2.

Mr. Pierre Jeanty is a NACE 2 coating inspector with over 14 years of experience in all phases of construction inspection, His experience includes construction inspection of highways, bridges and marine projects with emphasis in steel cleaning and painting of steel. He supervised contract's work in accordance with plans and specifications ,prepared Inspector Daily Report, kept track of payment items, checked Contractor's MPT to make sure it adheres with the requirements. His project experience is :

PROFESSIONAL EXPERIENCE

July 2014 - Present
Haider Engineering, P.C.; A Contract No D030568, PIN S107.01.301 Services for Term Agreement for Cleaning and Painting of Various Bridges in Nassau and Suffolk Counties,
Coating Inspector: Working on numerous bridges which involves removal and painting of the structures. supervision and inspection of Class-A containment system for paint removal, sandblasting operation of lead-laced paint, surface preparation and application procedure for prime coat, intermediate coat and finish coat, environmental ground and waterway protection and maintenance and protection of traffic.

NY Apr 2013 - Aug 2013 AFRIDI ASSOCIATES, AMMANN WHITNEY ENGINEERING P.C;
Painting and steel repairs Throgs Neck Bridge for TBTA as Senior Coatings inspector duties included inspection of power tool cleaning and painting operations and writing daily reports.

Jul 2010 - Mar 2013 AMMANN and WITHNEY ENGINEERING SERVICES P.C.
Cleaning and Painting Bruckner Expressway viaduct NYSDOT as Senior Coatings Inspector duties included inspection of contractor's containment, abrasive blast cleaning and painting operations. Wrote daily reports.

Feb 2010 - Jul 2010 GEDEON ENGINEERING SERVICES

- Cleaning and painting railings on the BQ Expressway for NYCDOT
- As Senior Coatings inspector, duties included inspection of daily power tool surface cleaning operation and generated daily reporst.

Jan 2008 - Dec2010 THOMASSINI ENVIRONMENTAL MANAGEMENT INC;
- As Project Coordinator, responsibilities included monitoring lead-based paint abatement projects in various Day Care facilities, private houses and commercial buildings.

July 2006 - Dec 2007 URBITRAN ASSOCIATES ENGINEERING SERVICES TRIBORO BRIDGE for TBTA, and QUEENSBORO BRIDGE for NYCDOT; as Senior Coating inspector duties included inspection of abrasive blast cleaning and painting operations and writing daily reports.

Mar 2005 - May 2006 HAKS ENGINEERING SERVICES P.C. VERRAZANO NARROWS BRIDGE contract VN-28 TBTA
Drainage improvement and various abrasive blast cleaning and painting projects. As Senior Coating inspector,

duties included reviewing contractor's daily rigging, abrasive blasting and painting operations. Generated daily report.

Feb 2004 - Dec 2004 AMMANN and WHITNEY ENGINEERING P.C. KTA - TATOR INC. Drainage improvement and steel repairs at THROGS NECK BRIDGE for T.B.T.A.;

As senior coating inspector, duties included review and monitoring contractor's rigging, abrasive blast cleaning and painting operations according to specification. Wrote daily reports.

Mar 2003 - Dec 2003 KTA - TATOR ENGINEERING SERVICES P.C. Contract VN - 316 VERRAZANO NARROWS BRIDGE TBTA;

As Senior coating inspector, duties included inspection of abrasive blast cleaning and painting operations. Conducted air monitoring with TSP and PM10 monitors, containment ventilation system and all environmental inspection operations.

Jan 2001 -Jan 2002 MASSAND ENGINEERING L. S. P. C. Williamsburg Bridge painting project for NYC DOT;

As Senior Industrial Hygienist, duties included overseeing contractor's compliance with OSHA, EPA regulations for Health and Safety of workers and Hazardous Waste Management, performed air monitoring with TSP and PM10 monitors and generate daily report.

Feb 1999 – Dec 2001 OMNIK ENVIRONMENTAL MANAGEMENT INC;

- Partial reconstruction Pelham Bay Bridge Bronx NYCDOT
- Restoration and Painting of 174th street bridge NYCDOT
- Painting of 19th bridges on various routes in the town of Huntington, Islip, River Head and Suffolk county NYSDOT. As a Senior Industrial Hygienist and Environmental Overseer Responsibilities included daily oversight of all construction phases: contractor pre-construction, construction and post construction submittals. Performed daily air monitoring with TSP and PM10 monitors, real time monitoring with DATARAM machines. Prepared daily, weekly and monthly reports.

SENIOR INSPECTOR

FITZROY STEWART

TECHNICAL SUMMARY

CREDENTIALS/REGISTRATION

BACHELOR OF SCIENCE IN STRUCTURAL ENGINEERING, SOUTH BANK POLYTECHNIC, LONDON, U.K., 1975

POST GRADUATE CERTIFICATE IN PROJECT MANAGEMENT, UNIVERSITY OF BRADFORD, U.K., 1981

PROFESSIONAL AFFILIATIONS

YEARS OF EXPERIENCE

25 YEARS

MISCELLANEOUS

SYSTEM INTEGRATION
ACI CERTIFIED
OSHA- 10 HOURS

Mr. Fitzroy Stewart has a B.S degree in Civil Engineering with over twenty- five years of experience as office engineer on various Bridges, Roadways, Sewer and Water-Main rehabilitation projects. He is familiar with the methods and procedures of the construction industry. He gained this experience with NYCDDC and other agencies. As an Office Engineer he was responsible for maintaining project records, correspondence files, quantities, preparation of partial payments, change orders, material certifications, reviewing of Inspectors reports, preparation of meeting agenda etc. He gained this experience working on several construction inspection projects. His experience is as follows:

PROFESSIONAL EXPERIENCE

January 2014 – Present: Haider Engineering P.C: Office Engineer.
HWS2013Q, PIN: 8502013HW0052P Resident Engineering Inspection Services for Sidewalk Reconstruction and Replacement Borough of Queens. DDC

Types of works including Construction Inspection for the installation of new sidewalks at designated locations in various community boards in the borough of Queens. The following are type of works:

- Conducted Field survey to mark the limits of Sandy damaged sidewalk from the DOT list
- Computation of quantities for each location showing Lot, Block & address
- Replacement of Steel and Concrete faced curbs at designated locations
- Coordination with community board prior and duration of the project
- Checking Contractor's MPT for the safety of pedestrians
- Inspection of the pedestrian ramps to make sure the slope does not exceed 8%
- Inspection of reveal of curb and ramp as per specifications
- Sidewalk assessments accurate and properly recorded by block, lot and address
- Photographs of existing sidewalk conditions for each sidewalk violation properly indexed by address, block and lot
- Verified that the Contractors have obtained all necessary permits, certificates, licenses or approvals required for the performance of the work
- Supervised the performance of all detailed inspection and field testing of materials
- Preformed all concrete filed tests including temperature, slump, air, unit weight and cylinder
- Performed continuous inspection, quality control and MPT to ensure that all work zone safety devices, including

Contact Person: Engineer in Charge: Mr. Jocelyn Damis, Deputy Director, Ph# 718-391-1955

January 2012 – 12/2013; Haider Engineering, P.C. – Office Engineer
NYCDDC Contract HWRC054-R - REI Services for Improvement of Intersections in Hylan Boulevard From Tarlee Pl to Whitman Ave, From Waterside Pkwy to Fairlawn Ave, and From Hopkins Ave to Montreal Ave, Borough of Staten Island, Community Board No. 3. The project consisted of improvement of 4 intersections at the vicinity of Hylan Boulevard. Work includes: roadway widening, utility relocation, installation of water mains and sanitary sewers, installation of curbs, sidewalks and pedestrian ramp, Maintenance and Protection of Traffic and coordination with the Community.

As an Office Engineer, Responsible for maintenance of field office records, in accordance with the MURK system, includes correspondence, shop drawings, record drawings, materials acceptance records, contractor and sub-

contractor payrolls and EEO records. Review Inspectors' Daily Reports and preparation of bi-weekly estimates, field change payments, order-on-contracts and partial payment for materials.
Contact Person: Monzer Shahin, E.I.C., NYCDDC: (718) 317-2540

(09/08 – Jan. 2012) - Office Engineer: Lockwood, Kessler & Bartlett Inc (Consulting Engineers) Aerial Way, Syosset, NY Rte. 878 Nassau Expwy & Rockaway Blvd. Roadway Pavement & Bridge Rehabilitation from Cross Bay Blvd to Queens/Nassau County Line (NYSDOT, $58.9 Million): The project involved roadway and seven bridge rehabilitations, installation of pre-cast paving slabs along sections of Rockaway Blvd, cold milling and asphalt resurfacing.
As an Office Engineer, Responsible for maintenance of field office records, in accordance with the MURK system, included correspondence, shop drawings, record drawings, materials acceptance records, contractor and sub-contractor payrolls and EEO record keeping; review Inspectors' Daily Reports; preparation of bi-weekly estimates, field change payments, ordesr-on-contract and partial payment for materials.
Contact Person: Thomas M. George, E.I.C, NYSDOT: (516) 239-2535

(03/08 – 9/08) - Office Engineer: Infra Tech Associates (Consulting Engineers) 40 Broad Street, New York, NY Road Rehabilitation, I-87 from MP 16.2 to MP 29.5 (NYSTA, $26.8 Million) Duties included: Review Inspectors' daily reports and enter payment quantities into CEES; process Contractor's monthly estimates; prepare Field Change Order & Order-on-Contract; reconcile final quantities with Contractor and maintain project files.
Contact Person: Richard Falletta, E.I.C, NYSDOT: (914) 332-0016

(05/07 – 3/08) - Office Engineer: Infra Tech Associates (Consulting Engineers) 40 Broad Street, New York, NY, Mill & Fill, N.S. Pkwy from NYC limit to Exit 31 (NYSDOT, $9.1 Million) ; As an Office Engineer, Implemented and maintained field office including an organized filing system in compliance with MURK; reviewed Inspectors daily reports and entered payment quantities into CEES; processed Contractor's bi-weekly progress payments; prepared Field Change Order and Order-on-Contract; reconciled all Field Change Orders with an Order-on-Contract and finalized quantities with Contractor and Prepared final records, as-builds and close-out documents.
Contact Person: Brian McNamara, E.I.C, NYSDOT (516) 625-0297.

(03/04 – 05/07) - Assistant Office Engineer/Inspector: Infra Tech Associates (Consulting Engineers) 40 Broad Street, New York, NY 10004 Reconstruction of Three Bridges in the Bronx, NY (NYSDOT, $54.0 Million)
This project involved the reconstruction of three major bridges: Cross Bronx Expwy (I- 295) Over Randall Avenue; East Tremont Avenue over I-295 extension and I-95 over Throgs Neck Expwy. Elements of work include: deck replacement of Randall Avenue Bridge; Superstructure replacement of East Tremont Bridge with a pre-stressed, precast covered structure, including pier extension and temporary structure. Duties
included: construction inspection at the new I-95 over I-695 Bridge for quality control; monitored the demolition of the existing bridge, temporary and permanent pile driving, cast-in-place piling, concrete and asphalt pouring, excavation and backfill, testing of materials and installation of drainage structures. As Assistant Office Engineer, was responsible for maintaining project records which included all correspondence, minutes of site meetings, request for information (RFI) and shop drawings log; checked Inspectors daily reports and entered payment quantities into CEES. **EIC: Michael McCotter.**

(05/01 – 12/03) - Edwards & Kelcey (Consulting Engineers) 299 Madison Ave, Morristown, NJ 07962
Field Engineer: Managed a $4.0 million dollar construction project in Connecticut for Bechtel Inc. that consisted of the upgrading of 108 telecommunication sites in the AT&T Wireless Network to comply with the next generation technology.

MECHANICAL INSPECTOR
JOHN O. PIODOS

TECHNICAL SUMMARY

CREDENTIALS/REGISTRATION

CEBU INSTITUTE OF TECHNOLOGY/UNIVERSITY OF MINDANAO, DAVAO CITY, PHILIPPINES, BS, MECHANICAL ENGINEERING, ASSOCIATE ELECTRICAL ENGINEERING

PROFESSIONAL AFFILIATIONS

SAFETY & FIRE PROTECTION, THERMAL PLANT OPERATION/PREVENTIVE MAINTENANCE, SAFETY OPERATIONS & TECHNICAL PREVENTIVE MAINTENANCE IN NUCLEAR POWER PLANT

YEARS OF EXPERIENCE

21 YEARS

MISCELLANEOUS

MS-WORDS, EXCEL, POWER-POINT & MS-OUTLOOK.

John O. Piodos is an accomplished, multi-faceted Mechanical Engineering Professional with proven ability to plan, administer, coordinate and execute successful mechanical engineering and maintenance programs. Over 21 years of wide ranging experience, encompassing power plants, building facilities, oil refineries, gas plants, waste/water treatment facilities, petroleum plants, Desalination, Fabrication & Piping Inspection

- Diverse professional development, including preventive maintenance, field service engineering, rotating and stationary equipment engineering, mechanical/electrical inspections, technical drawing/drafting and documentation issues.
- A committed team player, with a proven ability to meet and exceed set goals and deadlines as well as work effectively with colleagues and clients at all levels.
- Exceptional focus and follow-through abilities, with a record of significantly improving operational efficiency and productivity.
- Detail oriented multi-task, with exemplary organization and project management skills.
- Gifted communicator, able to effectively translate and analyze complex technical principles.

PROFESSIONAL EXPERIENCE

Haider Engineering, P.C. – Mechanical Inspector: Project Task Order - No. 1, CM-1507 – MTA Project - Consulting Services Related to the Consultant Construction Management and Inspection Services for Montague Tube Rehabilitation ("SANDY" REPAIR PROJECT) in the Borough of Manhattan and Brooklyn, NY. Duration: 03/2014 – Ongoing.

He is currently serving as Mechanical Inspector for NYCT Contract P-36436 - Montague Tube Rehabilitation. This project involves rehabilitation work being performed on the Montague Tube and associated facilities, including Ventilation Plants, Circuit Breaker Houses, Tunnel Lighting, Duct Bench Replacement etc., as a result of damages caused by Hurricane Sandy. Work is being performed around the clock, on a 24 hours basic in accordance with an ambitious schedule to achieve completion within fourteen (14) months. The project's Construction Management Team has many personnel including four Resident Engineers covering the job around the clock and during the weekends. When on duty, his duties include, inspect the contractors work at the site. Monitor all mechanical activities at the site, perform inspections. Coordinate with the various departments of the NYCT, Contractor, and Subcontractors to ensure a smooth collaboration of the various parties during the construction process. Document all inspections and conditions, monitor construction work progress, monitor site relating to mechanical safety conditions, and ensure compliance of the construction work to the contract documents. Estimated construction cost is $100,000,000.00. **Contact Person: Piyush Patel, PE, Construction Manager. (646)252.4035**

Haider Engineering, P.C. (11/08 – 02/14)
Mechanical Inspector, NYCDEP Contract NC-CM03, New Town Creek CM Services - NC-CM03 provides for Construction Management Services in connection with Construction Contracts NC-41 (G, E, H, P), NC-43, NC-47 (G, E, H, P), ICC-48, NC-50 and NC-51 (6, E, H, P) This construction contract involves construction of the Residuals building and all its mechanical components. The Central Residuals Building (CRB) was designed to centralize the removed residuals (screenings, grit, and scum) to facilitate the removal of residuals from the site and to maximize the necessary odor control of these residuals. The CRB will include the following equipment;

- Secondary Influent Screens
- Waste Sludge Screens
- Grit Cyclones

- Grit Classifiers
- Skimming Concentrators
- Residuals container storage and loading areas
- Manhattan Flow Meters
- Carbon Absorber Odor Control Systems

This reconstruction involves the demolition of block walls installed in the tanks under the interim upgrade to simulate step feed flow and demolition *of* tank walls where the new detritor grit facilities and a new common channel upstream of the aeration tanks will be constructed. The complete replacement of tank equipment, piping, electrical and auxiliary systems are included in the reconstruction. The existing South Control Building was originally slated for demolition, including construction of a completely new South Control Building. This plan is currently being reviewed for possible schedule benefits from a partial reuse of the existing south control buildings.
Contact Person: Claude Oriol, Project Engineer NYCDEP Phone# (718) 707-4105

Mechanical Engineer, PORT AUTHORITY OF NEW YORK & NEW JERSEY-Jamaica, NY
Attached to Structural Integrity Program as a Mechanical Engineer/Electrical Engineer
Oversees and handle all aspects of electrical and mechanical deficiencies at JFK International Airport, with responsibility for ensuring timely repair in compliance with NYC Building Code. Conduct comprehensive inspections and building surveys for all electrical and mechanical issues, and subsequently coordinate with relevant occupants to advice on resolution and repair, including boilers, elevators, escalators, passenger loading bridges, fire alarm system, pumps and compressors, chillers, cooling towers & substation transformers. Prepare thorough documentation to track compliance of all inspections. Submit quarterly reports/analysis about the electrical/mechanical equipment deficiencies and indorsed specifications from technical documents to develop plans & implement immediate repair. Perform meetings with JFK-IA airline tenants & tackle some issues pertaining electrical, mechanical, civil, architectural and structural disciplines involve in a comprehensive building survey and proposed preventive maintenance measures to rectify equipment failures. Conduct equipment inventory and inspections of Air Train from Jamaica, Howard Beach, Lefferts Blvd., Federal circle and John F. Kennedy International Airport Terminals. Perform cost analysis of any bidder's cost presentation on certain award projects.

Key Achievements: Increased operational efficiency within the power plant through application of comprehensive preventative maintenance procedures and techniques.
- Spearheaded productivity increases while developing, implementing, and ensuring compliance to safety procedures.

Mechanical Engineer, MARTACK AC CORP. – Long Island, NY (Dec. 2000 to Jan. 2001)
Fulfilled multiple, simultaneous duties, including charging Freon to air conditioning units, performing system leak tests and electrical troubleshooting for unit panels. Oversaw installation of HVAC equipment and accessories, in addition to laying out suction/discharge piping. Thoroughly inspected installed units and prepared specifications for start-up and commissioning for roof top non- condensing units. Key Achievements:
- Completed multi installation and test run of non-condensing units in advance schedule.

Pump Technician, GM PUMPS – Brooklyn, NY (Oct. 1997 to Nov. 2000) Performed installation, repair and troubleshooting of industrial pumps like deep well pumps. Prepared mechanical/electrical parts prior for assembly and traveled to other states to rectify problems with submersible pumps on electrical and mechanical disciplines. Key Achievements:
- Conducted reverse alignment between drive coupling of big horse-power motor and high pressure pumps.

HVAC Building Maintenance Technician, APOLLO HVAC CORPORATION – Long Island, NY (Aug.1995 to Sept. 1997) Oversaw daily operation and maintenance of computerized building air conditioning system; with responsibility for installing new units. Troubleshoot and resolved all technical and operational problems, encompassing centrifugal chillers, pumps, compressors, valves, air-handling units, boilers and auxiliary equipment, cooling towers and control panels.

MECHANICAL/PLUMBING ENGINEER
LOUIS VITONE

CREDENTIALS/REGISTRATION

1987-
CERTIFICATION (ENGINEER-IN TRAINING) – OCTOBER 1987
9/1983 - 5/1986
MANHATTAN COLLEGE, RIVERDALE, NEW YORK
BACHELOR DEGREE
MAJOR: BACHELOR OF SCIENCE CHEMICAL ENGINREER
MINOR: COMPUTER SCIENCE

YEARS OF EXPERIENCE

20 YEARS

MISCELLANEOUS

TIMBERLINE™, HCSS, ON-SCREEN DIGITIZER FOR TAKE-OFFS, MS PROJECT, COSTWORKS™, PRIMAVERA™, MS ACCESS 2000, SURE TRACK™ MEANS, PACES, FARs
MS OFFICE (ACCESS, WORD, EXCEL, OUTLOOK, TASK SCHEDULER), LAN, WAN ENVIRONMENT
DEVELOPED AND IMPLEMENTED QA/QC PROGRAMS, WRITE COMPUTER PROGRAMS FOR ESTIMATING AND PROJECT MANAGEMENT, STANFORD GRAPHICS, ETC.

TECHNICAL SUMMARY

Mr. Louis Vitone has a BS degree in Chemical Engineering and has completed E.I.T (PE Part 1). He has over 20 years of hands-on experience in construction management as a Mechanical Engineer/Inspector. He has worked on numerous projects for various agencies including NYCDEP. He is familiar with Construction Methods and Procedures of NYCDEP and Construction Industry. His experience includes working as Mechanical Inspector at City Water Tunnel #3 and varied engineering and construction management responsibilities at various waste water treatment plants. He has strong technical, organizational and communication skills critical for all aspects of construction management, including liaison with clients and negotiations with contractors, vendors and suppliers.

PROFESSIONAL EXPERIENCE

2/2011 – To Present
Mechanical Inspector:
Haider Engineering, P.C., Farmingdale, New York Project: NYCDEP TCM-52; Construction Management Services in Connection with Contract C358 and C549 Shafts for Completion of the Manhattan Portion of City Tunnel #3, Stage 2 PIN: 82608W000100. The types of works includes: as specified in the drawings or approved, furnish, test, deliver, protect and install 48-inch diameter flanged stainless steel pipe spool pieces, manhole covers pipe spool pieces, with all required fittings and appurtenances located in the riser valve chamber for all the shafts and also for shaft 25B, 31B and 33B in the distribution chamber; and 36-inch diameter flanged stainless steel pipe spool pieces and manhole covers pipe spool pieces with all required fittings, and appurtenances located in the distribution chambers for shafts 24B, 26B, 27B, 28B, 29B, 30B and 32B.
Construction Management Inspection of work related to the Manhattan portion of the City Tunnel No. 3. Work also includes preparation and review and monitoring of Construction Schedules, preparation of field change orders and claim records; shop drawing and CPM schedule

11/2008-1/2011
Cost / Change Order Engineer
Hazen and Sawyer, P.C., Brooklyn, New York, New York City Department of Environmental Protection (NYCDEP):
NYCDEP Project - 26th Ward WWTP: Cost Engineer responsible for negotiating change orders with prime contractors (General, Electrical and HVAC contractors). Also prepared field change orders and served as Change Order whip responsible for corresponding with the NYCDEP change order manager.

- **NYCDEP Project – Jamaica WWTP:** Responsible for negotiating change orders and corresponding with NYCDEP change order manger. Also assisted with Standard Operating Procedures preparation.

1/2004-5/2008

Mechanical Inspector: ARCADIS Engineers, Edison, New Jersey: Ewing Lawrence Sewerage Authority (ELSA), Mountain View Pump Station Upgrade, Ewing, NJ Project Manager responsible for the design and construction administration, including shop drawing review and field inspection of the pump station upgrade. The upgrade included the replacement of **pumps, pipe, valves, grinder, instrumentation, controls and generator. Assisted ELSA in obtaining project funding through the New Jersey Environmental Infrastructure Trust (NJEIT) Fund. Ewing Lawrence Sewerage Authority (ELSA), Main Pump Station Upgrade and Intermediate Pump Station Upgrade and Appurtenant Work, Lawrenceville, NJ** . Responsible for the construction administration and shop drawing review and field inspection for the upgrade which includes the replacement of **pumps, variable frequency drives, sewage grinder, sodium hypo-chlorite metering pumps, storage tanks, and heating cables at scum beaches.**

6/1998-1/2004
Mechanical Inspector:
Schoor DePalma Engineers, Manalapan, NJ

- **June 2003 - January 2004 - Township of Ocean Sewerage Authority, Treatment Plant Improvements, Oakhurst, NJ:** Design of two primary settling tanks including flights and chains, two grit chambers, a grit building including grit dewatering screw, piping and replacement of process-water pumps.
- **September 2002 - April 2003 - Lambertville Sewerage Authority**, Digester Improvements, Anaerobic Digester Conversion to Sludge Storage Tank, Hunterdon County, NJ: Preparation of plans and specifications for converting existing anaerobic digester to a sludge storage tank. Designed replacement of digester roof and designed addition of sludge mixing pumps to mix sludge within the storage tank.
- **February 2002 - August 2002 - North Bergen Central Wastewater Treatment Plant Upgrade, North Bergen, NJ:** Designed upgrade for the Authority's Central Wastewater Treatment Plant. including a new influent pump station including new variable frequency drives, channel mounted grinders, two new Chlorine Contact Tanks, hypo-chlorite mixers and chemical feed piping.
- **July 2001 - January 2002 - Joint Meeting of Essex & Union Counties, Final Clarifiers Upgrade: Plan preparation and specifications for the upgrade of four final clarifiers. Pitman County Club, NJ:** Design and field inspection of a sanitary sewage pump station. Montclair State University Pump Station, Design of a new 75,000 gallon per day pump station. Strickland Street Pump Station, Point Pleasant Borough, NJ Design of new pump station and facilities, including bypass pumping, new pumps, wet well, controls and electrical generator.
- **February 2001 - June 2001 - Modifications and Improvements to the 61st Pump Station, North Bergen Municipal Utilities Authority:** Design and construction management including field inspection for the removal and replacement of two existing sewage **pumps and valves** with two dry pit submersible pumps, a magnetic flow meter, sump pump, dehumidifier and valves and fittings inside the existing 61st Street pump station.
- **July 1998 - February 1999 - Modification and Improvements to Pump Station, East Windsor, NJ:** Design and construction management including field inspection for the installation of a new, below-ground, variable speed pumping station consisting of a dry well and wet well structure. Major construction features.

SENIOR ELECTRICAL ENGINEER
ANTENOR BRUTUS, P.E.

CREDENTIALS/REGISTRATION
BS ELECTRICAL ENGINEERING RENSSELAER POLYTECHNIC INSTITUTE TROY, NEW YORK 12180 MAY 1984
PROFESSIONAL AFFILIATIONS
LICENSED PROFESSIONAL ENGINEER (PE)
YEARS OF EXPERIENCE
27
MISCELLANEOUS
PROFICIENT IN. NUMEROUS COMPUTER OPERATING SYSTEMS AND SOFTWARE INCLUDING MICROSOFT WINDOWS, MICROSOFT WORDS, EXCEL, ETC

TECHNICAL SUMMARY

Mr. Antenor Brutus, PE has Bachelor's Degree in Electrical Engineering. He has designed and managed successfully various Electrical construction projects including Electronic Security, Power Systems, air conditioning systems Fiber Optic based Communication and Control Systems etc. He has good managerial skills especially in areas of project administration Cost Estimation and management. He has rendered services as Senior Estimator / Senior Engineer, Quality Manager, Design Engineer, and Administrative Engineer among others. He has also worked for various govt. agencies including NYCT, NYCDEP, and DCAS

PROFESSIONAL EXPERIENCE

Haider Engineering, P.C. –Electrical Engineer: Project Task Order - No. 1, CM-1507 – MTA Project - Consulting Services Related to the Consultant Construction Management and Inspection Services for Montague Tube Rehabilitation ("SANDY" REPAIR PROJECT) in the Borough of Manhattan and Brooklyn, NY. Duration: August 2013 - Ongoing

He is currently serving as Resident Engineer for NYCT Contract P-36436 - Montague Tube Rehabilitation. This project involves rehabilitation work being performed on the Montague Tube and associated facilities, including Ventilation Plants, Circuit Breaker Houses, Tunnel Lighting, Duct Bench Replacement etc., as a result of damages caused by Hurricane Sandy. Work is being performed around the clock, on a 24 hours basic in accordance with an ambitious schedule to achieve completion within fourteen (14) months. The project's Construction Management Team has many personnel including four Resident Engineers covering the job around the clock and during the weekends. When on duty, his duties include, Engineer-In-Charge of the site representing the NYCT at the site, assigning Engineers/Inspectors to the various tasks being performed; supervise the Engineers and other personnel at the site. Monitor all activities at the site, perform inspections. Coordinate with the various departments of the NYCT, Contractor, and Subcontractors to ensure a smooth collaboration of the various parties during the construction process. Monitor all Work Trains movements at the site, monitor NYCT Flaggers and Transit Safety Supervisors. Document all inspections and conditions, monitor construction work progress, monitor site relating to safety conditions, and ensure compliance of the construction work to the contract documents. Estimated construction cost is $100,000,000.00. **Contact: Piyush Patel, PE, Lead Construction Manager. (646)252.4035**

2012 Senior Estimator / Senior Engineer Action Const. Consulting / Terraferma Elect. Const. Co. Inc. – New York Estimate construction costs for various types of facilities, including Transportation Facilities (NYCT, LIRR, PANYNJ, TBTA), Water Pollution Control Facilities (NYCDEP), Office Buildings (DCAS), Hospitals and Schools including the following: NYCT B-62009, Security Upgrade - Eastchester & LaGuardia Bus Depots NYCT C-52116, Electronic Security in Under River Tunnels NYCT C-26012, 86th Street Station (2nd Avenue Subway Line) NYCT C-34906, Upgrade of DC Power System at 207th Maintenance Shop TBTA Queens Midtown Tunnel, Contract QM-30 PANYNJ, Upgrade of Pump House 4 (at LaGuardia Airport) NYCDEP, Bowery Bay Contract BB-59E LIRR, East Side Access, Contract CM012R Senior Engineer Action Const. Consulting / Terraferma Elect. Const. Co. Inc. - New York NYCDEP, Bowery Bay Contract BB-59E (Astoria NY) · Manage all aspects relating to Power System, including Short Circuit and Coordination Study, and Fiber Optic based Communication and Control System for upgrading of Water

Pollution Control Plant. · Review revise and upgrade of Submittals documents to enable approval. · Inspection and Shop testing of equipment, including Motor Control Centers and Medium Voltage Motor Starters. · Coordination with Subcontractors, Manufacturers, Vendors, the Engineer, and the NYCDEP. Upgrade of Water Pollution Control Plant, including new Motor Control Centers, New Medium Voltage Motor Starters for Process Air System, wiring of mixers, pumps, instruments, installation of conduits and boxes, including explosion proof boxes and fittings, Fiber Optic based Electrical Monitoring and Control System, Fiber Optic based Public Address and Telephone System, Panelboards, Transformers, Safety Switches, indoor and outdoor lighting systems etc.

2005-2006 Senior Estimator / Senior Engineer Action Const. Consulting / Terraferma Elect. Const. Co. Inc. – New York

- Estimate construction costs for various types of facilities, including Transportation Facilities (NYCT, LIRR, PANYNJ, TBTA), Water Pollution Control Facilities (NYCDEP), Office Buildings (DCAS), Hospitals and Schools including the following:

2002 – 2004 Quality Manager / Senior Engineer Action Electrical Contracting Company Inc. - New York: NYCT Contract C33173, Construction of Circuit Breaker House and Replacement of DC Cables at East New York Yard -

- Manage all quality aspects for construction projects, including power, communication, lighting, mechanical, structural and civil systems.
- Updated The Contractor's Quality Program Documents and successfully implemented The Quality program.
- Inspection of materials, installation, and inspection during shop testing of equipment.
- Ensured that all required tests are performed, documented and adhere to Contract requirements.
- Coordinated Quality related matters with the Client, Contractor, Sub-Contractors, Vendors, Manufacturers and the NYCT.

This contract included the construction of a new Circuit Breaker House at the East New York Yard - Fifteen (15) new 4000 Amps, 750VDC Circuit Breakers were procured, and installed at the site. Thousands of feet of 2000MCM cables were also installed in new concrete Duct Banks, connecting the new Circuit Breakers to the various Tracks in the Yards. Different Types of Copper Connectors were used to connect the cables. Type LS & QV connectors were used for connections to the third rails using Cadweld, via 500MCM Cables. Several other locations in Manhattan were also included in this contract where existing 4000Amps, 750Volts DC Westinghouse Circuit Breakers were removed refurbished and re-installed. The work included extensive track work in yard and tunnels. Quality Manager / Senior Engineer
Action Electrical Contracting Company Inc. - New York

NYCT Contract E-31268, Fan Plant Wrap-Up (Six Locations), Broadway -7th Ave Line Steinway Tunnel, Lexington 4th Ave Line "A" Division IRT in the Boroughs Manhattan Queens and the Bronx -

- Manage all quality aspects for construction projects, including power, communication, lighting, mechanical, structural and civil systems.
- Updated The Contractor's Quality Program Documents and successfully implemented The Quality program.
- Inspection of materials, installation, and inspection during shop testing of equipment.
- Ensured that all required tests are performed, documented and adhere to Contract requirements.
- Coordinated Quality related matters with the Client, Contractor, Sub-Contractors, Vendors, Manufacturers and the NYCT.

Résumés

Johnson, Mirmiran & Thompson, Inc.

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IVAN RAMIREZ, P.E.
QA/QC ENGINEER

JOHNSON, MIRMIRAN & THOMPSON

EDUCATION
B.S. – Civil Engineering, New York University
M.S. – Civil Engineering, New York University

PROFESSIONAL TRAINING
Fluent in Spanish
Well versed in use of the PC and Microsoft software such as Word, Excel, Access, Publisher, Project and Power Point and their utilization in engineering applications and presentations.
Authored articles for ASCE's Civil Engineering Magazine.
Worked with the committee that drafted the first "Guideline for Structural Condition Assessment of Existing Buildings" for ASCE.

PROFESSIONAL REGISTRATION
Registered Professional Engineer, NY, NJ
Certified Building Inspection Engineer
Rutgers, Work Zone Safety, 2011
Rutgers, Traffic Control Coordinator, 2011

HONORS
- 2002 New York Consulting Engineers Council Diamond Award- Project Manager for the Trunnion Inspection of the Hackensack River Bridge. Project also received national recognition by ACEC.
- 2001 Service Award for the search and rescue operations at the World Trade Center after September 11th Terrorist act.
- 1997 Port Authority Engineering Excellence Award for outstanding accomplishments.
- 1993 World Trade Center Award for Exceptional Service in the aftermath of the terrorist act.

EXPERIENCE:

Mr. Ramirez is a Project/Program Management professional with extensive experience in the inspection and rehabilitation of structures.

His responsibilities as structural/project engineer include all aspects of design, starting from preliminary study and drafting to the final construction phase. A summary of Mr. Ramirez' experience follows:

Johnson, Mirmiran & Thompson - Project Manager - Aided in drafting proposals for Construction Inspection and Construction Management for government agencies. . Project Manager for PA Contract 410-11-048 which provided CM/CI staff to the Construction Division.

Polytran Engineering Associates – Project Manager – As project manager, Mr. Ramirez Responded to RFP's and RFQ's. He also performed **Project Management duties for NJDOT and NJT bridge inspection projects throughout New Jersey.**

HAKS Engineers and Land Surveyors – Mr. Ramirez performed Project Management duties such as:

- NYSDOT Overhead Sign Structures- Region 11
- **Biennial Inspection of the JFK Roadway Bridges** - PANYNJ
- **High Mast Lighting Structures at Port Newark/ Port Elizabeth-** PANYNJ
- Co-authored quality assurance standards for the firm
- Interviewed prospective staff members and recommended hiring
- Responded to RFP's and RFQ's.

Port Authority of New York & New Jersey – Mr. Ramirez was a Principal Engineer for the Port Authority of New York and New Jersey through December 2002. Throughout his career, he was instrumental in many projects. He was Principal Engineer/Program Manager and **creator of the Structural Integrity Inspection Program at the Four (4) Regional Airports** operated by the Port Authority. As such, some of his duties and responsibilities included:

- Created and managed the structural integrity inspection program at Kennedy International Airport, LaGuardia Airport, Newark Liberty Airport and Teterboro Airport. This work included the **cyclical inspection of hundreds of buildings, over 100 bridges and the guideway system for Airtrain at Newark Airport.**
- Administered and directed in house staff and consultants in over 250 projects including the inspection of airline passenger terminal buildings, cargo buildings, control towers, hangar buildings, box sewers, maintenance buildings, facility roadway bridges, taxiway bridges, jetways, and Airtrain Guideways at JFK and EWR.,
- Reviewed consultant proposals, approved consultant staff assigned to projects and supervised the preparation of all inspection reports.
- Worked with Facility and Airline personnel to successfully resolve numerous structural emergencies at the airports over the 17-year period. This also included emergencies related to the Guideway Systems of JFK Airtrain and EWR Airtrain. On call 24/7 to respond to airport emergencies.
- For two years simultaneously managed the PATH inspection program including **inspections of** tunnels, **railroad bridges and track structures** which required familiarity with AREMA Standards. Reorganized existing inspection program and worked with PATH staff to resolve structural emergencies.

- Drafted scopes of work and negotiated the costs of inspections of buildings, bridges and rail facilities
- Supervised the design of emergency repairs and their implementation.
- Co- authored administrative and field inspection procedures for the unit when it was formed in 1985.
- Co-authored the Authority's Building Inspection Manual and Reviewed the Tunnel Inspection Manual.
- Developed the concept of retainer contracts of General Contractors to perform emergency repairs on an on call basis.
- Recommended the implementation of digital technology in the inspection of structures.
- Participated in the search and rescue operations that resulted from the terrorist act of 9/11.
- Participated in the damage assessment and reconstruction of the World Trade Center following the terrorist attack in 1993.
- Trained in emergency management
- Worked with NYC Office of Emergency Management during rescue operations in the aftermath of the 9/11 terrorist attack.

Port Authority of New York & New Jersey - As part of the Design Division, Mr. Ramirez participated in the design of various facilities. Examples of his responsibilities for the Design Division are listed below:

- Lead designer for the Holland Tunnel Sign Structures Project
- **Team Leader for the structural integrity inspections of the George Washington Bridge, the Goethals Bridge, Outerbridge Crossing**, the Port Authority Bus Terminal, the Holland and Lincoln Tunnels.
- Design checker for the PABT Extension Project.
- Chief structural reviewer for the Authority on the proposed Westway Project.
- Chief reviewer of shop drawings for Terminals A, B and C at Newark Airport.
- Construction Engineer of record for the foundations of Terminal C at Newark International Airport. Supervised a small staff in the construction of pile foundations, pile caps and pilasters.
- Performed preliminary design of the Port Authority Bus Terminal Extension building and office tower.

OBIOMA OTI, P.E.
RESIDENT ENGINEER

EDUCATION

BSCE, Lamar University, Beaumont, Texas, 1985

PROFESSIONAL REGISTRATION

Registered Professional Engineer
New York (#[redacted]
New Jersey [redacted]
ACI Concrete Construction Special Inspector (Exp 10/10/2018)
NJSAT, Asphalt Technologist (Exp 06/30/2016)
Rutgers, Work Zone Safety (2011)
Rutgers, Traffic Control Coordinator (Exp 08/31/2015)

EXPERIENCE:

Mr. Oti has over 30 years of experience in the design, construction management and inspection of bridges, roadways and other facilities. He has worked for numerous clients including the NYCDDC, NYCDOT, NJ Turnpike Authority, and various other agencies.

NJTA, OPS P3418, Contract No. P200.245, Culvert Repairs on GSP ($7.0 M) - Resident Engineer for this project that entails the repair of four culverts (inverts, side walls, joints and arch sections) on the Parkway between MP 114.3 and 121 5. The culverts range in size from 30" diameter RCP to 14' x 9' CMP arch. Repairs at one location included the erection of structural steel ribs, reinforced concrete inverts and knee walls, and the placement of mechanically applied concrete (shotcrete). Another location involved slip lining with Hobas pipe; while another required in-situ resin lining (heat cured). The last location required centrifugally cast concrete pipe repairs. Prior to any repairs, the culverts needed to be cleaned to allow the design engineer to confirm the extent of the required repairs. One specific location required the installation of gabions & "green gabions" to assist in fostering the growth of local vegetation to aid in reducing the velocity of the water on the channel; another work site was located in the Cheesequake State Park. The four project sites required shoulder closings to allow for material delivery and for safe ingress and egress of construction equipment. Any MPT operations were coordinated with the NJTA operations section along with the NJ State Police construction unit. Prepared change orders and used CapEx to input quantities, reports and pay estimates. (3/12–Present) *(Ref: Joseph Johnson, P.E., NJTA, 732/750-5300, x8254)*

NJTA, OPS A3337, Contract No. A200.180, Tpk and GSP ROW & Security Fencing, MP 145 to MP 153 ($2.0 M) – Resident Engineer with responsible charge for the supervision of inspection of this $2 million project involving the installation, repair and replacement of right of way and security fencing along the Parkway from Milepost 142 to 153, and; the installation of fencing at Bond Street under the Turnpike roadway in Elizabeth and along Ramp X off Exist 15E of the Turnpike Roadway in Newark, NJ. Used CapEx to input quantities and reports. (08/10-7/11) *(Ref: John Ernst, NJTA, 732/750-5300, x8238)*

NJTA, Contract R-1485, Signing Improvements and Repairs, MP 82 to MP 117 - $0.7 M - Resident Engineer responsible for supervision of construction of this project consisting of construction of 2 reinforced concrete footings (drilled caissons), installation of structural steel, repairs and re-installation of 3 overhead signs at various locations, replacement of guiderail, MPT in a limited access highway using concrete barriers and flashing arrow boards. Duties included construction and inspection to verify conformance to plans and specifications, review of contractor's estimates using CapEx, preparation of change orders and the coordination of field tests by other consultants. *(07/05-12/06) (Ref: Tom Wilson (Retired) NJTA)*

NYCDOT, HBK1021, Reconstruction of Coney Island Ave. Bridge over Belt Parkway, Brooklyn, NY ($7 M) and HBX636, Reconstruction of Grand Concourse Bridge over East Tremont Avenue, Bronx, NY ($6.5 M) - Resident Engineer responsible for two consecutive NYCDOT projects **(combined value of $13.5 M)** consisting of demolition and removal of existing concrete encased, multi-stringer bridge and construction of multi-stringer replacement bridge (HBK1021 was a four-span and the replacement bridge included seismic upgrade; and HBX636 was a two-span). HBX636 was slated for an 18-month schedule, to be completed in four stages thus allowing continuous flow of traffic during construction. Inspection included construction of new concrete abutments, steel superstructure, reinforced concrete deck and approach slabs, bituminous concrete pavement, concrete sidewalk and curbs and relocation and installation of utilities (HBX636 included relocation of a 30-inch water main). Construction work and maintenance of office records were in conformance with the NYSDOT Standard (MURK) and Contract Supplementary Specifications. Duties also included extensive MPT using concrete barriers, bridge/right-of-way chain link fence and VMS on a limited access highway, supervision of construction inspection crew, including quality control, coordination with testing laboratory and verifying work was completed in accordance with the plans and specifications; maintenance of project records, preparation of daily, weekly and monthly progress reports, monthly estimates, extension of contract time requests and change orders. (07/97-01/00-HBX636 and 01/00-05/03-HBK1021) *(Reference for both projects: Ohene Duodu, P.E., 212/839-4931)*

NYCDOT, HWQ274C, Reconstruction of Brookville Boulevard Area, Queens, NY ($2.5 M) - Resident Engineer responsible for inspection of roadway reconstruction with concrete base and asphalt overlay in a 49 city block area, water mains and sewer systems including modifications to catch basins and manholes, reconstruction of concrete curbs and sidewalks, utilities, landscaping, installation of traffic and street lighting, and maintaining pedestrian and traffic safety. Responsible for overall management of the project including monitoring strict compliance to project specifications, managing and recording construction activities in accordance with MURK format, preparation of payments, change orders, monthly progress reports and reviewing contractors submittals for conformance with the contractual requirements, revision of grades as is necessary, inspection of concrete placement, sampling of concrete for slump and air-entertainment tests, inspection of concrete coring, and close monitoring of contractor's site housekeeping and MPT. *(04/94-06/95) Guy Damas, P.E. (Retired)*

NYCDOT, HBC083, Rehabilitation of Various Bridge Bearings ($1.5 M) - Resident Engineer responsible for rehabilitation of various bridge bearing/replacement at Fort Totten Road under the Cross Island Parkway and replacement of reinforced concrete culvert at Ledyard Place, Staten Island. Work included removal and repair of spalled and deteriorated concrete from bridge abutment walls, installation of expanded metal sheets and construction of protective shield under bridges. In addition to the inspection, verified and checked contractor's claims for payment for Time and Material work, preparation of project files and other required reports, and monitoring maintenance and protection of traffic. Duties also included supervision and coordination of five inspectors, liaison between the NYCDOT Bureau of Bridges, Flags Division, and the contractor. *(03/93-04/94) Reference: Dan Faria (212-839-4900)*

NYSDOT Biennial and Interim Bridge Inspections, Region 11, Manhattan County - Team Leader responsible for structural inspection and documentation as per NYSDOT guidelines of over 25 bridges roadway bridges using bucket trucks, man-lifts and under-bridge inspection units (UBIU). The bridges varied in length, up to 110 spans. (05/07-08/08)

NJDOT Biennial Bridge Inspection of 96 at Various Locations in New Jersey - Team Leader responsible for structural inspection and evaluation of bridge components using bucket trucks, man-lifts and under-bridge inspection units (UBIU) as per NBIS and NJDOT guidelines. (05/05-07/05)

NJ Transit Authority, Biennial Bridge Inspection of 25 at Various Locations in New Jersey - Team Leader responsible for structural inspection and evaluation of bridge components as per NBIS and NJTA guidelines. (05/05-07/05)

NYSDOT, 2004/2004 NYSDOT Biennial and Interim Bridge Inspections, Region 11, Queens County - Team Leader responsible for structural inspection and documentation as per NYSDOT guidelines of over 100 roadway bridges using bucket trucks, man-lifts and under-bridge inspection units (UBIU). The bridges varied in length up to 40 spans. (03/04-06/05)

Biennial Inspection of 34 in-service highway bridges along I-280 – Senior Bridge Engineer responsible for inspection and structural evaluation of bridge components as per NBIS and NJTA guidelines. (07/96-07/97)

AMTRAK Railroad Bridge over the Connecticut River at Niantic, CT – Team Leader responsible for inspection and structural evaluation of bridge components as per NBIS guidelines. (07/96-07/97)

NYC Transit Authority, Facilities Inspection Project CM-951 – Team Leader responsible for structural inspection and evaluation of NYC Transit Authority Facilities including up to 55 linear feet of retaining walls. (06/95-07/96)

GUNVANT C. MISTRY, NIV
RESIDENT ENGINEER/INSPECTOR

JOHNSON, MIRMIRAN & THOMPSON

EDUCATION

A.A.S., Civil Engineer, Gandhi Engineering College, Surat, India

PROFESSIONAL REGISTRATION

NICET, Level IV - Highway Construction (Exp 8/1/2015)
NICET, Level II – Highway Materials (Exp 8/1/2015)
OSHA, 40 Hour OSHA 1206 – American Science and Technology, Riverside, NJ
NJSAT, Asphalt Plant Technologist (Exp 6/30/2015)
ACI, Concrete Field Testing (Exp 4/10/2015)
ACI, Concrete Const. Special Inspector (Exp 11/16/2015)
Rutgers, Traffic Control Coordinator (Exp 7/31/2016)
Troxler Nuclear Gauge Training, Geophysical Training Consultant
Permit Required Confined Space Entry, Bucks County Comm. College, Newton, PA
OSHA 20 CFR 1910.146(g), (h), (i), (j)
CPR and First Aid Certificate

WORK EXPERIENCE:

Mr. Mistry is an Inspector with 33 years of extensive experience in construction oversight and engineering inspections. Responsive and responsible team leader with proven ability to complete projects according to project and regulatory standards. Possesses strong customer service and communication skills both written and verbal.

Camden County Municipal Utilities Authority, Phoenix Park-Phase 1 and 20 Green Infrastructure Projects - Resident Engineer for two $1 M concurrently running projects involving demolition of existing sidewalk, concrete slabs, curbs and asphalt paving and construction of Porous Asphalt paving, Pervious concrete sidewalk, rain gardens and parks. (06/14-Present) *(Reference: Andrew Kricun, P.E., CCMUA, 856/541-3700)*

NJDOT, 2011MEO842B, Region Central Maintenance Term Agreement, TO #12, Guide Rail/Attenuator Repairs - Resident Engineer for a $2.7 M project involving maintenance 0f Guide rail for 895 mile of roadway. The project includes repair all damaged guide rail in accordance with NJDOT standard specifications. Duties included maintain the NJDOT guide rail database, review contractors request for daily assignment, prepare lane closure request, field supervision for Traffic Safety and contractor's means and methods, review daily inspector's report, verify quantity , prepare estimates, change orders, coordinate with NJDOT Supervising Engineer, JMT Project Manager and Contractor for progress of the project, prepare bi weekly progress reports, review accident claim reports, including utilizing NJOT Site Manger system for daily reports, quantities, preparing estimates and change orders. (04/13-05/14) *(Reference: Darin Thorn, NJDOT, 732/625-4302)*

Camden County, Replacement of Broadway Bridge over Little Tiber Creek - Resident Engineer/Inspector for the $3.0 million multi-stage bridge demolition and replacement, pile foundation, utility relocation (aerial electric and cable television, underground: gas, water, phone copper cable and fiber optic). Multi Stage MPT for both vehicular and pedestrian traffic which included a truck detour. Duties included: daily reports, biweekly status meetings, photographs, monthly reports, pay estimates, change orders, RFIs, shop drawings, coordination with the County and two municipal jurisdictions along with five different utility companies Bridge work included: demolition of the existing structure and approach concrete roadway, demolition of superstructure (concrete encase steel beams), substructure, installation of shielding, reinforced earth retaining wall, installation of sheet piling, coffer dams, construction of footings, abutments, wingwalls, construction of precast prestressed concrete beams and deck, concrete parapets and concrete sidewalk, construction of new HMA roadway including relocated utilities. The project also included coordination between the Army Corp. of Engineers, the NJDEP, Camden County Soil Conservation office, NJDOT, and the project designer. (12/11-12/12) *(Reference: Kevin Becica, Countty Engineer, 856-566-2971)*

NJTA, OPS P3126, Contact P200.045, GSP Widening, Milepost 70 to 75 – Inspector on the $31.3 million roadway widening and improvements project between GSP MP 63 to 70. Project included reconstruction of 2 interchanges, demolition of the Barnegat NB Plaza toll booths and construction of new SB express toll lanes, new administration building, and 6 miles of roadway widening with staged construction. Duties included the on-site inspection of substructure and superstructure elements, drainage, concrete curb, HMA paving, long life epoxy resin traffic stripes and thermoplastic traffic markings, raised pavement markers, rumble strip; guide rail, landscaping, highway lighting, earthwork, maintenance and protection of traffic, pile foundation, structural concrete for bridge, six cantilever and one overhead sign structure including 6-foot diameter drilled shaft 30-feet deep, including witnessing of Cross Hole Sonic Logging for drilled shaft. Responsible for a total of seven drilled shafts as follows: one overhead and six cantilever sign structures. Verified drilling equipment, layout of the proposed drilled shaft, drilling record, the recovery of the soil and depth of ground water encountered, verify the depth of the shaft to required elevation, including using NJTA CapEx system for daily reports and quantities. (04/10-11/11) *[Night Work] (Reference: Joseph Johnson, NJTA, 732-750-5300)*

PennDOT, Titus Road Improvements, Warrington, PA – Inspector responsible for inspection on the $14M Titus Road improvements for the new Warrington Retail Center, consisting of a new 125' long box beam bridge and 1 mile long connection of Titus Road between PA 132 and PA 611. Duties included the on-site inspection of spread footing concrete foundations, abutment walls, proof rolling, drainage inlets and pipes, underdrain, utility relocations, HMA paving (base & surface), guide rail, traffic signals, curbs and sidewalk, handicap ramps, milling and resurfacing, traffic stripes, pavement markings and maintenance and protection of traffic in accordance with Penn DOT Standards. *(12/99-04/01) (Reference: John J. McElroy, Langan Engineering, 215/864-0640)*

NJTA, OPS P3197, Contracts P200.103, Pavement Restoration and Misc. Improvements and P200.001 (CO #1, Milling and Paving –Inspector on two contracts P200.103 ($4.2 M) and P200.001 (CO #1 $6.0 M) involving milling and resurfacing at various locations along the GSP between Milepost 127 and 172. Duties included the on-site inspection of milling and resurfacing with HMA surface courses; long-life traffic stripes and pavement markings, polymerized joint adhesive, raised pavement markers, rumble strip; guide rail repairs, bridge deck repairs, maintenance and protection of traffic, including utilizing NJTA CapEx system for daily reports and quantities. *(01/10-03/10) [Night Work] (Reference: John Ernst, NJTA, 732/750-5300)*

NJDOT, Route 130 Improvements – Inspector responsible for inspection on a $12M roadway improvement project. Duties included the on-site inspection of proof rolling, drainage, utility relocations, traffic signals, curb, sidewalk, milling and resurfacing, guide rail, HMA paving, traffic stripes, pavement markings, Precast Concrete Structure for Culvert and maintenance and protection of traffic. *(10/05-02/07) (Reference: John J. McElroy, Langan Engineering, 215/864-0640)*

NJDOT, Long Life Pavement Marking Contracts – Region Central – Inspector responsible for inspection of one of several Federally funded Pavement Marking Contracts under a 3-year Pavement Marking Term Agreement. Work occurred at night on various State highways throughout the Region. . Duties included the on-site inspection of removal of existing pavement markings and two-way plowable mono-directional and bi-directional pavement reflectors and castings; cleaning and preparing Portland cement concrete and bituminous surfaces; installation of epoxy resin traffic stripes and thermoplastic traffic markings; cleaning and cutting of road surfaces and installation of new reflectors and castings; and, maintenance and protection of traffic. (07/09-12/09) *[Night Work](Reference: Sharon Pallen RE, NJDOT, 609-377-3580)*

DelDOT, Realignment of ring Road around Christina Mall, White Clay, DE – Inspector responsible for inspection on this $4M Realignment of Ring road around the Christina Mall. Duties included the on-site inspection of subgrade preparation, proof rolling, drainage inlets and pipes, underdrain, utility relocations, HMA paving (base & surface course), traffic signals, guide rail, traffic stripes, pavement markings and maintenance and protection of traffic. (03/08-08/09)

PennDOT, Levittown Town Center Site and PA Route 13 Improvements – Inspector responsible for inspection on a $15M Levittown Town Center site improvements and PA Route 13 upgrades. Duties included the on-site inspection of subgrade preparation, drainage inlets and pipes, utility relocations, traffic signals, curb, sidewalk, milling and resurfacing, guide rail, HMA paving, traffic stripes, pavement markings and maintenance and protection of traffic. (03/07-02/08)

Private Developer, Centerton Road/Route 38 and Marter Avenue Realignment, Mount Laurel, NJ – Resident Engineer responsible for all aspects of construction contract administration (schedule, payment, change order reviews, contract documentation) and for the supervision of inspection of a $45M – 90 acres site and roadway improvements project in Mount Laurel. The project consists of subgrade preparation, drainage inlets and pipes, utility relocations, traffic signals, curbs and sidewalk, milling and resurfacing, guide rail, HAM paving, precast concrete culvert and maintenance and protection of traffic in accordance with NJDOT Standards. Manage Team of 3 Inspectors. Review daily Reports. Assigned Various Duties. Coordinated with NJDOT and Local officials. Review Plans and Specification. (08/03-10/05)

Touro College, 150th Street, 75th Rod, 76th Street and 153rd Street Improvements – Inspector responsible for inspection on the site and civil work improvement of 150th Street, 75th Road, 76th Street and 153rd Street. Duties included the on-site inspection of drainage inlets and pipes, utility relocations, traffic signals, curbs and sidewalk, handicap ramps, milling and resurfacing, guide rail, HMA paving, traffic stripes, pavement markings, Precast Concrete Structure for Culvert and MPT in accordance with NYCDOT standards. (10/01-07/03)

DelDOT, Christina Mall Site Improvements and DE Route 7 Realignment – Inspector responsible for inspection on the $12 M Christina Mall Site Improvements and DE Route 7 Realignment in accordance with DelDOT standards. Duties included the on-site inspection of subgrade preparation, proof rolling, drainage inlets and pipes, underdrain, MSE retaining walls (25 to 30' high) utility relocations, HMA paving (base & surface course), guide rail, traffic signals, traffic stripes, pavement markings and maintenance and protection of traffic. (01/99-11/99)

GEORGE R. WHITE, NIV, NACE 3
RESIDENT ENGINEER

EDUCATION:
AAS, 1994, Civil Engineering Technology & B.S., 1975, Science
FHA, 1993 Work Zone Safety Management
Valspar, SSPC Steel Prep/Paint Application
MAB, Paint Applic/Ameron Painting, 1998

PROFESSIONAL REGISTRATION/CERTIFICATIONS:
NJ Licensed Land Surveyor (Exp 04-30-2016)
NJ Professional Planner (Exp 05-31-2016)
NICET Level IV, Highway Construction (Exp 12-01-2014)
NACE Coating Inspector Level III, Peer Review (Exp 01-31-2016)
ACI Concrete Const. Technologist (Lifetime)
ACI Concrete Field Testing Technician (Exp 04-10-2015)
NJSAT, Asphalt Pavement Tech. (Exp 01-01-2018)
NJSAT, Asphalt Plant Tech. (Exp 01-01-2017)
Rutgers Traffic Control Coordinator (Exp 07-31-2016)

EXPERIENCE:

Mr. White has over 40 years of experience and has worked for numerous clients including the NJTA (Turnpike and Parkway), NJDOT, TBTA, TVA and refineries, authorities and contracts. He is familiar with the use of CapEx for processing IRFs and CFRs as well as the Authority's policies and procedures, standard drawings and specifications and Manual for Construction.

NJTA, OPS P3363, Contract P300.162, GSP Interchanges 9, 10 & 11 Improvements in Cape May – Assistant Resident Engineer responsible providing CI services for a project involving improvements / eliminations of 3 at-grade interchanges with signalized intersections that connect the Parkway with Shell Bay Ave (CR 674) at Int. 9, Stone Harbor Blvd (CR 657) at Int. 10, and Crest Haven Rd (CR 609) at Int. 11. The intersections will be eliminated by constructing grade-separated bridges (steel girders with reinforced concrete decks and H pile foundations) with integral abutments over the local roads with ramp connections to allow access to and from the GSP and eliminating the local road intersections at the interchanges. The project includes **extensive utility relocations involving ten utility companies** and coordination with local authorities. Major items of construction involved in this project are roadway excavation, embankments (some over 20 feet high), Superpave HMA, Open Graded Friction Course, Reinforced Concrete Pipe, Steel Piles, Abutment Walls, HPC Concrete Decks, Structural Steel, and Landscaping. (02/13-Present) *(Reference: Joseph Johnson, NJTA, 732/750-5300, Ext. 8254)*

NJTA OPS P3429, Contract P200.260, Central Region Pavement Restoration and Misc. Improvements MP 80 to 143 – Resident Engineer responsible for the inspections of this milling and resurfacing contract at various locations long the GSP between MP 80 and 143. Project involves several significant interchanges. Over 6 miles of Asphalt Rubber Open Graded Friction Coarse was placed in the two lane SBI and over 9.5 miles of 12.5H76 Superpave was placed in the three lane SBI. Close coordination with numerous other contracts proceeding in the same location is required to maintain safety and production for numerous contractors. We were called upon to respond to the Emergency Pavement Drop Off Repairs between MP 82 to 94 SB & NB. We also responded to the Emergency Pavement Restoration & Misc. Improvements to Poorman's Parkway. Change in Plans required 5 lane closures and mill and pave the 5 lanes & 2 shoulders at the SB Hi-Speed EZ Pass a length of over 1,000 feet at the electronic loop processing area. This required coordination between The ETC Department, State Police and Traffic Operations. Another addition to the contract required coordination with the State Police, Traffic Operations, the Contractor and his Sub-Contractor that allowed a mobile operation at the NB Driscoll approach to remove(grind) the 10' white skip lines with the 30' gaps and replace them with the 3' white skip lines with the 9' gaps in alignment with the Theoretical Gore. Records are maintained thru the use of CapEx including IFR's and CFR's, with backup on an independent Excel program. (04/12 – 01/13) *(Reference: John Ernst, NJTA 732 750 5300 x 5238)*

NJTA, OPS P3126, Contract P200.045, GSP Widening, MP 70 to 75 – Resident Engineer for contract involving widening of the 5 miles of the Parkway in both directions. Coffer dams were erected in phases prior to the two mainline bridges being removed. The structures were erected using steel piles, placing concrete caps, footing and structures, approach slabs, parapets and decks using Classes A, B, C and HPC concrete. Prestressed concrete box beams were manufactured transported and placed. Work also included lengthening or reconstruction of six culverts extensions and 2 headwall extensions/replacements, roadway excavation, embankment construction, shoulder reconstruction, milling and resurfacing existing Parkway pavement, roadway striping, six cantilevers and one overhead sign structures, drainage construction including recharge swales, delineations, maintenance and protection of traffic, roadway signs, topsoil and seeding, and other miscellaneous work necessary and incidental to the completion of the project. One of the culverts is for Oyster Creek, which is tidal and runs by the nuclear power plant. The project was constructed within designated wetlands, pinelands jurisdiction, and sensitive endangered/threatened habitat and staged traffic shifts employing concrete barrier placement within active traffic lanes. (06/10-03/12) *(Reference: Joseph Johnson, NJTA, 732/750-5300, Ext. 8254)*

NJTA, Contract P200.084, Pavement Restoration, MP 139 to 142 and Misc. Ramps – Resident Engineer responsible for the inspection and supervision of inspection of the $2.1 M milling and resurfacing of existing roadway with hot mix asphalt surface course pavement along the GSP NB and SB mainline roadways from MP 139 to 142 along with NB and SB ramps at Interchanges 139 and 140. Responsibilities included reviewing the contractor's proposed lane closures and detours, manpower, equipment, work schedules, methods of construction, safety measures and payment items; maintenance and protection of traffic; and overseeing the pavement milling operation (pavement removal), the installation of asphalt materials, density testing, roller operations and the application of roadway markings, striping and RPM (raised pavement markers). (09/08-03/09) (*Reference: John Ernst, NJTA, 732/750-5300, Ext. 8238)*

Painting Projects

NJTA, Contract T100.009-1, Repainting Structural Steel – Resident Engineer responsible for the inspection of $1.1 M project involving four bridge structures from MP 100 to 118 on the NJ Turnpike. Bridge painting work included reviewing the contractor's proposed lane and ramp closures, maintenance and protection of traffic, manpower, equipment, materials, work schedules, payment items and safety measures. Duties also included inspection of the removal of existing bridge paint systems, including lead abatement, hand and power tool cleaning, water blasting structural steel; the application of new protective coating systems, protection of the environment, structures, persons and property. Cleaning and paint removal included recyclable abrasive blast cleaning to a near white condition (SP-10) in a Class 3 containment and handling, storage, transport and disposal of hazardous waste. Paint systems were 3 coat epoxy polyamide. (05/07-03/08). *Reference: Mark Bernard, NJTA, 732/750-5300*

NJDOT, Region North Bridge Paint 2005-1, Task #3, Maintenance Bridge Painting 2005-2 – Resident Engineer/Inspector responsible for construction contract administration and for the inspection for $1.2 M repainting structural steel on 7 bridge sin Mahwah, Bergen County, NJ. Work and inspection responsibilities as described for Bridge Painting Contract 00-3 below. *[Night Work]* (01/07-04/07)

NJDOT, Bridge Painting Contract 2001-5/6 – Resident Engineer responsible for two bridge painting contracts. Bridge Painting Contract 2001-5 included seven bridges on Interstate I-78 and one bridge on Route 24. Bridge Painting Contract 2001-6 included five bridges on Interstate I-280. Responsible for construction contract administration and documentation and for the inspection and supervision of inspection of abrasive blast cleaning and painting of 13 highway and railroad bridges. The work included bearings and appurtenances; application of an organic zinc coating system; containment system construction; implementation of Class 1A dust collection and recycling of steel grit abrasive; handling, storage, transport and disposal of hazardous waste; implementation of a Lead Health and Safety Plan; repair of concrete structures and application of epoxy waterproofing seal coat; and MPT implementation. *[Night Work]* (12/02-12/06). *Reference: Mark Bernard, NJTA, 732/750-5300.*

NJTA, Contract R-1424, Repainting Structural Steel – Resident Engineer responsible for $3.0 M project involving repainting structural steel on 12 bridge structures. Duties included reviewing the contractor's proposed lane and ramp closures, MPT, manpower, equipment, materials, work schedules, payment items and safety measures; inspection of removal of existing paint systems, including lead abatement; hand/power tool cleaning; water blasting structural steel; application of protective coating systems; repair of concrete structures and application of epoxy waterproofing seal coat; and protection of the environment, structures, persons and property. Cleaning and paint removal included recyclable abrasive blast cleaning to a near white condition (SP-10) in a Class 3 containment and handling, storage, transport and disposal of hazardous waste. Paint systems were 3 coat epoxy polyamide. (04/02-11/02). *Reference: Mark Bernard, NJTA, 732/750-5300*

TOSCO Refinery, Trainer Facility Bridge and Tank Cleaning and Lining or Coating – Resident Engineer/Inspector responsible for the inspection of polyester laminate glass tank lining and bridge cleaning and coating. Responsibilities as described for Contract 20000-3 above. (10/98-11/98)

Sun Oil Co., Girard Point Tank Cleaning and Coating – Resident Engineer/Inspector responsible for the inspection of application of high build epoxy, solvent based epoxy phenolic (Novalac) and high build urethane systems to interiors and/or exteriors and appurtenances of 7 tanks and condition inspection of 4 tanks. (07/98-08/98)

MARTIN M. LUND; JR., NICET IV
RESIDENT ENGINEER

EDUCATION
A.A.S. – Mechanical Engineering Technology, 1975

REGISTRATIONS/CERTIFICATIONS
National Institute for Certification in Engineering Technologies (NICET) (Exp 07/01/2017)
Engineering Technician - Level IV - Mechanical
Level III - Highway Construction
Rutgers/CAIT - Traffic Control Coordinator (Exp 04/30/2015)
NJSAT, Certified Asphalt Pavement Construction Technologist (Exp 01/01/2017)
NJACI, Certified Concrete Field Testing Technician ((Exp 09/19/2018)
NJACI, Concrete Construction Special Inspector (Exp 11/16/2015)
Occupational Safety Services, Confined Space Entry
NJ Licenses
T-2 - Water Treatment; W-2 - Water Distribution; N-4 - Industrial Wastewater Treatment; S-3 - Public Wastewater Treatment; C-4 - Wastewater Conveyance; and, Public Weighmaster

PROFESSIONAL TRAINING:
NJDOT Specialized Training for Beam Guide Rail Design, Installation and Repairs, Primavera Critical Path Software, NJTA CapEX, NJDOT Site Manager Systems

EXPERIENCE:

Forty (40) years of design, facility operations, environmental and construction management services in transportation and highway construction, wastewater, water, industrial pretreatment, residuals management, energy, and solid waste management industries. Relevant experience includes the following:

NJTA, OPS P3472, Contract P200.195, Culvert Repairs, GSP MP 100 to 140 – Resident Engineer. Responsibilities include administration of the Authority's CapEx construction management system, contractor payments, agency interface, review and approval of contractor MPT and lane closure submissions, and inspector supervision. The $8.9 M project involved CMP culvert repairs, pneumatically applied mortar lining – centrifugally cast, storm drainage system improvements, slope stabilization, ramps reconstruction and repaving. Contract administered as a NJTA "paperless" contract using SharePoint as a shared data base for the NJTA, contractor, design engineer, and construction management. The projected also included (2) 54" x 200 LF x 35 feet deep jacking operations crossing the SBI roadway, ramp reconstruction of Ramp H at NJDOT Rte. 440 and GSP SB entrance 127. Added to the project was an emergency open cut replacement of a failed 78" CMP culvert. The replacement was successfully completed over a HICC weekend cycle across the SB express lane of the GSP. (04/13-Present) *(Reference Andrew McConnell, 732/750-5300 x8272).*

NJDOT, Central Region Operations and Maintenance, Beam Guiderail & Attenuator Repair Contracts 2011, 2012, 2013 – Resident Engineer in charge construction inspection, contract administration through the NJDOT's Site Manager, agency interface, inspection supervision, MPT approval and submission, and database management for $5.0 M per year beam guiderail repair contracts. The project involved work scheduling, inspection and quantity verification of new installation for NJDOT's Rapid Design Services section and emergency and scheduled repair work performed by 3 beam guide repairs crews covering the Central Region of the NJDOT from Hunterdon County to Ocean County. (12/11-04/13) *Reference Darin Thorn, P.E., Supervising Engineer NJDOT Central Region Maintenance 609.584.4302.*

NJDOT, Route 9 & Bay Ave Resurfacing, Lakeside Road to Route 72, Ocean County – Senior Inspector for all aspects of milling 10.6 miles of roadway up to 3" and paving with Binder Rich Intermediate Coarse and SMA 12.5 Surface Course, guide rail repair and replacement, drainage improvements, and ancillary water main construction. Duties included daily on-site inspection of milling depth and paving operations, verification of contractor's maintenance and protection of traffic installation and devices, detour plans, verification of quantities and payment limits, verification of tack and pavement base requirements, verification of contractor's construction schedule, direction for and verification of limits of milling, and installation of temporary and permanent pavement markings and striping. *[Night Work]* (04/11-12/11) *Reference Charles Bassano, NJDOT Resident Engineer, 609/384-4856]*

NYC Department of Design and Construction, MED-584B, Water Main Lining on Madison Avenue in Manhattan, NY – Chief Inspector of Record for a $14.0 M high-profile water main rehabilitation and lining project on Madison Avenue from 37th Street in mid-town to 78th Street up-town using trenchless technology. The 3½ year project involved the installation of 8,700 LF of close fit 48" O.D., SDR 65 - HDPE sliplining into an existing 100 year old 48" I.D. cast iron host pipe. Due to the depth and horizontal location of the water main and conflicting existing utilities, excavation accuracy was critical. Project included (16) mostly hand excavated, 10'x30'x10' deep, timber sheeted, launch/receiving pits. A major aspect of the project was the nightly MPT and coordination of equipment, manpower, and materials into and out of the city due to the lack of temporary storage and laydown on Madison Ave. Excavations required secure road plates each evening so as to allow rush

hour bus traffic on Madison Ave. each morning, without exception. (01/08-04/11) *Reference: Chris Onyechi, NYCDDC Engineer-In-Charge, 212/442-1892.*

Atlantic County Improvement Authority, Improvements to 18 Roadways – Resident Engineer of Record and Office Engineer for all aspects of construction contract administration and inspection for the $2.4 million milling and resurfacing of portions of 18 county roadways at different 27 (actual) roadway locations in various municipalities throughout Atlantic County. Duties included daily on-site inspection of milling depth and paving operations, verification of contractor's maintenance and protection of traffic installation and devices, detour plans, verification of quantities and payment limits, verification of tack and pavement base requirements, verification of contractor's construction schedule, direction for and verification of limits of milling, installation of permanent pavement markings and striping, interfacing with property owners, processing of contractor's progress payments and assistance with the preparation of as-built documents. *[Included Night Work]* (09/06-06/07) *Reference: Jerome Cormier, Executive Director 609/645-5858*

NJDOT, Long-life Pavement Marking Term Agreement, Region South 2007 – Senior Inspector for the removal of existing pavement markings and two-way plowable mono-directional and bi-directional pavement reflectors and castings, cleaning and preparing Portland cement concrete and bituminous surfaces, installation of epoxy resin traffic stripes and thermoplastic traffic markings, cleaning and cutting of road surfaces and installation of new reflectors and castings and the maintenance and protection of traffic. Assisted the Resident Engineer in closeout and preparing as-built documents for Region South 2007. *[Night Work]* (09/07-01/08) *Reference: NJDOT Mehdi Khamazipour, Resident Engineer 856/384-5915*

NJDOT, RSTA Term Agreement 2006-5, Task #3, Maintenance Road Repair Contract #328 Region South – Senior Inspector for the $2.3 million milling and resurfacing of portions of Routes 40 and 56 in Gloucester, Salem and Cumberland Counties. Major items of work included inspection of stabilization of the bridge on Route 56 damaged in heavy rains; inspection of variable depth milling; Superpave surface course; Long-life epoxy pavement stripes, Long-life thermoplastic markings, and raised reflectors and miscellaneous other items. Assisted Resident Engineer in closeout and preparing as built documents. *[Included Night Work]* (6/07-09/07) *Reference: Bill Mullowney, NJDOT Resident Engineer 856/486-6723*

NJDOT, Region Central Pavement Marking Term Agreement 2006-1- Long-Life Pavement Markings Throughout Hunterdon, Mercer, Middlesex, Ocean, Somerset, and Warren Counties – Inspector for the removal of existing pavements markings, placement of long-life epoxy traffic stripes and thermoplastic traffic markings and symbols; installation of two-way plowable bi- or mono-directional white or amber pavement reflectors; and maintenance and protection of traffic. [George Carroll 732/308-4077; Andre Rosen, NJDOT Resident Engineer 732/566-1142] [Night Work]

NJTA, OPS No. P3008 –2005-2006 Construction Contract 134-1249, GSP Interchange 69 Ramp and Toll Improvements – Inspector. Responsibilities included inspection of cut and fill earthwork, milling and resurfacing, maintenance and protection of traffic and lane closures, installation of pavement base material, curb installation, installation of lighting and controls, installation of traffic signal and controls, installation of epoxy pavement stripes and Long-life pavement symbols and markings, installation of plowable pavement reflectors, verification of bid item quantities, monitoring of Pinelands Permit requirements [Joseph Johnson, NJTA Engineer in Charge 732/750-5300] [Night Work]

City of Camden, Rehabilitation of 36", 30" & 24" Water Transmission Main - Resident Engineer of Record and Office Engineer for the rehabilitation of major portions of a cast iron (100 year old) main. The project consisted of the cleaning and cement lining of approximately 71,000 linear feet of 36", 30" & 24" main and the replacement of thirty (30) 36", 30" & 24" in-line valves and systems hydrants, including installation of temporary bypass lines to maintain hydraulic capacity; installation of temporary line stops; internal sealing of leaking joints and reinforcing of deteriorated segments; and, TV inspection/flow pressure testing. (11/04-/06)

Camden County Municipal Utilities Authority (CCMUA) – City of Camden/Campbell Soup Permanent Bypass – Resident Engineer for the re-routing of an existing 36" diameter sanitary sewer around the headquarters of the Campbell Soup Company as part of the City Gateway Improvements Project. The $3.0 M project involved the excavation of (3) 35 feet deep by 18 feet diameter jacking pits, and (2) rectangular receiving pits. The jacking pits were a caisson type installation. The bypass of the existing 36" diameter sanitary sewer was achieved through the installation of 1,500 LF of 36" diameter polycrete pipe using a microtunneling/jacking operation. Accuracy of the upstream and downstream interfaces with the existing 36" sanitary sewer was critical. A total of 4 drives, each between 300 LF and 400 LF at 35 feet were done to complete the installation of the pipe. (04/08-11/08) *Reference: Andrew Kricun, Executive Director and Chief Engineer 856/541-3700*

Résumés

EnTech Engineering, PC.

BACKGROUND

Ms. Gajewski has 31 years of project management and design experience for numerous and wide range of different civil engineering projects in New York Metro area. She has managed and worked in projects involving preliminary and final design for street reconstruction, utility relocation, landscaping, and urban design, subsurface exploration, water and sewer installation, drainage, vault investigation, appurtenances improvement, construction phasing plans, signage and pavement markings, work zone traffic control and staging, asphalt placement, sidewalk installation and repair, roads and highway safety and accident prevention and more. She has extensive experience in designing and managing complex construction projects. Ms. Gajewski has worked closely with ConEdison on several projects and is very familiar with the NYCDDC, NYCDOT, NYCDEP, NYSDOT, NYSDEC, FAA and AASHTO standards, the SEQRA/CEQRA and NEPA process and many other specifications and requirements pertaining to civil engineering design and construction.

PROFESSIONAL REGISTRATION

Professional Engineer in State of New York, No. 074158

PROFESSIONAL EXPERIENCE

Project Manager, NYCDOT HBX1131, Total Design and Construction Support Services for Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge), Bronx, NY

The project involves replacement of the existing bascule bridge, construction of a new overpass and realignment of the existing connector ramps. Ms. Gajewski is managing and coordinating various tasks assigned to EnTech as a subconsultant on this project. The project is in preliminary design phase and EnTech prepared conceptual staging plans for the bridge replacement. Other tasks will involve preparation of WZTC plans and other civil engineering assignments.

Deputy Project Manager, NYSDOT Region 11, Kew Gardens Interchange Operational Improvement, Queens, NY

Managing and participation in design work of team of engineers developing different conceptual horizontal and vertical alignments, evaluation of feasibility of each of considered alternatives, overseeing and organizing the presentation material for NYSDOT review. This multilevel interchange is notorious for traffic congestion and high accident rate and one of the goals was to provide interchange alignment improvement which will eliminate or alleviate the non-standard condition of mainlines and connector ramps. This interchange has total of 300,000 daily volume of traffic. Responsible for making the final evaluation and recommendation of the preferred alternatives for realignment of the GCP mainline and the associated connector ramps from and to Jackie Robinson Parkway and Union Turnpike.

Deputy Project Manager, NYSDOT Region 11, Safety Improvement and Rehabilitation of Four Bridges on the Bronx River Parkway, Bronx, NY

Responsible for preparation of Design Approval Documents for Site B and site A and managing the civil engineering work related to design of a new horizontal and vertical alignment, typical roadway section, drainage design, coordination of subconsultant's work and coordination with agencies such as NYC Parks Department, MTA, Amtrak, and others. Bronx River Parkway is a major commuting route in New York, carrying daily about 70,000 vehicles. The project objectives were to eliminate structural deficiencies of the bridges

within the project limit and address the corridor safety and geometric deficiencies to improve traffic flow, eliminate the degradation of mainline level of service (LOS) and provide cost-effective accident reduction measures. Both of the project locations are within the NYC parkland and a separate section 4 (f) evaluations were prepared. Coordination with NYC agencies and railroad agencies were required.

Project Manager, NYSDOT Region 11, Bronx River Greenway, Bronx, NY
Responsible for coordination and performance of pavement and drainage design, typical sections, storm water management, signing and striping plans and development of construction phasing plans for this shared-use path. The project's purposes were to enhance the Bronx River's natural qualities, and despite bicycle and pedestrian paths and routes, design included facilities such as floating dock and boat launching area, special landscape elements to enhance native vegetation and provide pleasant environment along the river corridor. The utilization of alternative/green building materials was one of the concerns during the design process. The Public Design Commission of the City of New York awarded the project with Excellence in Design in 2009.

Project Manager, NYSDOT Region 11, Cross Bronx/Throgs Neck/Hutchinson River Expressways, Bronx, NY
Responsible for final design phases of rehabilitation of three major NYC expressways. The project included evaluation of the existing roadways condition, establishing design criteria, typical section design, improvement to geometry of the existing ramps and design of new ramps, design of truck facilities, improvement to toll plazas, new signage system, utility relocation, lighting design and drainage improvement. The construction staging and planning detours were part of the scope. The community outreach program was conducted and extensive coordination with the NYC agencies, community and utility owners was required.

Project Manager, American Airlines, American Airlines Concourse D at JFK Airport, Queens, NY
Relocation of an aircraft parking ramp. The project included evaluation of the existing pavement, design for a relocation of the fuel pits and a new pavement based on FAA standards and requirements and MPT for construction time. Extensive coordination with Port Authority Aviation Fueling and Maintenance Service Division was required.

EDUCATION

Postgraduate Studies, Highway Engineering, 1988
Poznan Polytechnic University, Poland

BS, Transportation Engineering, 1974
Gdansk Polytechnic University, Poland

BACKGROUND

Ms. Bayat has over 24 years engineering and construction management experience. She has managed and provided technical expertise for a wide range of construction inspection, management, and environmental projects, including: bridges, highways, roads, transportation facilities, buildings, waste management facilities, and remedial projects. Her strong managerial skills, technical background, and dedication and determination make her an asset for effective implementation and successful completion of complex, large-scale projects.

PROFESSIONAL REGISTRATION

Professional Engineer State of New York, No. [redacted]
Professional Engineer State of New Jersey, No. [redacted]

PROFESSIONAL EXPERIENCE

Project Manager, MTA-TBTA, CM and CI Services for Replacement of Upper Level Roadway Deck of Verrazano Narrows Bridge, Staten Island and Brooklyn, NY
The Verrazano Narrows Bridge is a double-decked suspension bridge that connects the boroughs of Staten Island and Brooklyn in New York City. The upper deck of Staten Island's Verrazano-Narrows Bridge will undergo a $419M replacement scheduled to start in 2012. The original concrete deck dating from the bridge's opening in 1964 will be replaced with lighter-weight orthotropic deck designed to reduce the dead load. The scope of this project includes the replacement of the upper level roadway bridge deck, removal and replacement of the existing concrete, sidewalks and curbs, and the replacement of the bridge railing system. As part of the Construction Inspection Team, managing the staged demolition, construction/erection of steel orthotropic decks, steel bridge structures and repairs, MPT, bridge coating systems, and lighting. EnTech participates in construction inspection activities and provides environmental consulting services related to asbestos, lead paint, and HAZMAT abatement.

Project Manager, MTA-TBTA, CM and CI Services for Structural Rehabilitation at the Henry Hudson Bridge, Bronx, NY
This $6M rehabilitation project is planned to replace various deteriorated structural steel members of the bridge and repair and seal concrete surfaces of the approach piers and skewbacks. As the Project Manager, EnTech was responsible for environmental services associated with lead-based paint removal, painting, asbestos abatement, and hazardous waste removal. Review and approval of the process for lead removal, painting specifications and drawings, work plans, and general civil/structural construction items are included in EnTech's responsibilities.

Project Manager, MTA-TBTA, CI for Dehumidification and Strand Re-Anchoring and Concrete Repairs at the Triborough Bridge Anchorages TB-66, New York, NY
The Triborough Bridge $45M project required structural steel repairs, concrete repairs, main cable strand replacement, and installation of a dehumidification system in conjunction with electrical and environmental work, and hazardous material management. EnTech's responsibilities included review of shop drawings for Queens West Anchorage lower and upper level demolition, reconstruction of the structural concrete parapet, steel erection, supervision of the inspectors, resolving structural issues, and review of daily inspection reports.

Project Manager, NYCDOT, REI Services for the Rehabilitation of Bruckner Expressway Bridges over AMTRAK and CSX Railroad, Bronx, NY
Ms. Bayat is EnTech's Project Manager for Construction Inspection for

Rehabilitation of Bruckner Expressway Bridges over AMTRAK and CSX Railroad Design Build project. The project entails performing in-depth inspections, deck evaluations, rehabilitation reports, preliminary and final design and construction support services for the rehabilitation of the expressway. Resident engineering services include work permits, insurances, work schedule, and a traffic maintenance plan. Active communication between the REI Team and the utilities and railroad companies is an important part of the REI Team responsibilities in order to coordinate the work. EnTech is in charge of providing environmental services regarding the lead-based paint removal and hazardous waste management. Responsibilities include review of related documents and inspecting and overseeing related field operations, testing and monitoring, controlling emissions, air pollution control, and managing soil contamination.

Project Manager, NYSDOT Region 11, Construction Management and Coordination for Route 9A Corridor Reconstruction, Manhattan, NY
EnTech is a Subconsultant on this project and Ms. Bayat is EnTech's Project Manager. Ms. Bayat provides environmental consulting related to "Environmental Performance Commitment" of the 9A-WTC Project. She has reviewed the environmental aspects of the project and has prepared QA/QC report and compliance report. She oversaw the environmental, safety, and MPT for construction projects related to redevelopment of Route 9A. The subconsultant assignments involved coordination of safety and MPT with the overall projects objectives, overseeing safety and OSHA compliance, and environmental monitoring.

Project Manager, NYSDOT Region 11, Construction Management and Coordination for Route 9A Corridor Reconstruction, Manhattan, NY
As a sub-consultant project manager, managed and oversaw safety, MPT and environmental during construction projects related to redevelopment of Route 9A. The assignments involve coordination of safety and MPT with the overall planning initiative for lower Manhattan redevelopment projects. The project responsibilities included review of design and construction documents and drawing to ensure the Safety and MPT plans are consistent with the project objectives. Coordinated Safety and MPT between involved parties, ensured the site conditions were safe, reviewed the collected traffic data, analyzed traffic data, and advised the project manager on any changes on incident management system. Ensured safety and OSHA compliance, environmental monitoring, and OSHA construction safety training as required.

EDUCATION

MS, Environmental Engineering, 1987
National Institute of Applied Sciences, Toulouse, France

BS, Chemical Engineering, 1985
Teheran University, Teheran, Iran

CERTIFICATION

NYCDOB Certified Site Safety Manager, No. [redacted]
OSHA 10 Hour Construction Industry Outreach

PROFESSIONAL MEMBERSHIPS

Society of American Military Engineers
American Society of Highway Engineers - Broad Member
New York Water and Environmental Association
New York City Municipal Engineers

BACKGROUND

Mr. Sacchetti is an experienced resident engineer with 15 years of experience in all aspects of construction inspection and engineering. He has considerable project experience with NYCDDC which includes sewer and water main installation, street reconstruction, sidewalk, curb and pedestrian ramp installations. He has in-depth experience as an office engineer and overseeing construction activities and inspectors, reviewing contractor's submittals including payments, preparing tap cards and field cards, reviewing inspector's reports and checking pay quantities.

PROFESSIONAL REGISTRATION

Professional Engineer: State of New York [redacted]
Professional Engineer: State of Connecticut [redacted]

PROFESSIONAL EXPERIENCE

Resident Engineer/Office Engineer, NYCDDC HBPED700E, REI Services for Emergency Repair for the Passerelle Pedestrian Bridge, Queens, NY
This $2.2M project involves emergency repairs for the Passerelle Pedestrian Bridge, which spans over LIRR tracks and station and a NYC Transit maintenance facility in Flushing Meadows-Corona Park, Borough of Queens. The emergency repair work was necessary to remove RED FLAG conditions identified at various locations of the bridge in a structural and safety flag report. The work includes installation of temporary chain link fence and gates on/under the bridge deck to protect pedestrians and NYCT facility; emergency reconstruction of the deteriorated structural steel members including stringers and steel columns supporting the bridge structure; removal and reinstallation of LIRR electrical conduits and underdeck lighting and temporary support for NYCT power and signal cables; and removal and replacement of timber pedestrian bridge decking as required. Organized, led, and prepared agendas for progress meetings attended by NYCDDC, NYCDPR, NYCT, LIRR, CSS firm, and the contractor, interpreted contract drawings and specifications, worked with NYCT and LIRR for scheduling access to their sites and providing their required supervision/flagging services. Communicated with the engineer from the CSS firm about site conditions not reflected in the contract drawings, notified NYCDCC about site conditions potentially causing delays to the project, oversaw the work performed by the contractor to ensure that it was done in accordance with contract drawings, specifications, and approved shop drawings, reviewed status and prepared logs for various submittals required from the contractor.

Resident Engineer, NYCDPR Q096-108M, Construction of Natural Grass Ball Fields in Southern Fields, Queens, NY
Provided inspection for this $1.2M project which included monitoring field activities and reporting directly to the agency regarding construction progress and any construction issues encountered in the field. Prepared contractor's payments and the payment calculation book. Analyzed existing survey data and design grades from contract documents to calculate estimated quantities of earth moving operations (cut and fill).

Office Engineer, NYCDDC HWK1181, REI Services for Belt Parkway Rehabilitation from Coney Island Avenue to Knapp Street, Brooklyn, NY
Reviewed contractor's submittals including concrete and asphalt mix designs, shop drawings for drainage structures, protective sheeting designs, and proposals for MPT design plan modifications to ensure compliance with contract documents and NYCDOT, NYCDEP, and NYSDOT standards for this $6.4M project. Prepared and submitted change order ($100K) documentation to the agency for the removal and planting of trees along the parkway. Prepared contractor's partial payments,

organized inspectors' daily reports and checked pay quantities.

Construction Inspector, NYCDDC MED-583AR, REI Services for Installation of Water Mains and Abandon HPWM in Wall Street Area, Manhattan, NY
Provided inspection for this $40M project which included installation of 12" DIP water mains with various mechanical joint fittings and house connections as well as the interferences including private utility lines. Responsible for overseeing the installation of the water mains, oversight of MPT plans, utility relocation/coordination, and water shutdown coordination in accordance with NYCDEP, NYCDDC and NYCDOT construction procedures, plans and specifications. Also responsible for preparing water main tap cards, field cards, daily inspection reports, and as-built drawings.

Construction Inspector, NYCDDC SE-738A/739A, REI Services for Installation of New Sanitary/Storm Sewers in Netherland Avenue Area, Staten Island, NY
Provided inspection services for this $25M project which included installation of major storm and sanitary sewers, placement of 12" DIP water main with various mechanical joint fittings, house connections and full curb-to-curb roadway reconstruction. Inspected, measured and verified quantities with NYCDEP of standard manhole, catch basin and various other appurtenances associated with sewer line work. Inspected, measured and verified item wise quantity of water main, tap connection, gate valve, fire hydrant and other appurtenances associated with water main work. Prepared as built drawing, water main tap cards, field cards and construction reports of completed location for NYCDEP and NYCDDC.

Office Engineer, NYCDDC HWS2008K1, REI Services for Installation of Sidewalk, Curbs and Pedestrian Ramps, Brooklyn, NY
This $4M project involved assisting in the issuance of task orders to the contractor by preparing correspondence and tabulating data including construction locations, sidewalk and curb preliminary quantity estimates, and the time frame for completion. Calculated and tabulated sidewalk assessments that were submitted to the agency for over 500 constructed properties, created and submitted sidewalk construction reports on Microsoft Visio, prepared and submitted change order ($33K) documentation to the agency, prepared contractor's partial and final payments, organized inspectors' daily reports, checked pay quantities and recorded community complaints for the Resident Engineer.

EDUCATION

MBA, Financial Management, 2007
Pace University, New York, NY

BS, Civil Engineering, 1999
Manhattan College, Riverdale, NY

CERTIFICATION

ACI Concrete Field Testing Technician
Grade 130-Hour OSHA
40-Hour HAZWOPER

BACKGROUND

Mr. Raza has 22 years of experience in engineering and construction industry. He has excellent technical and managerial skills and has worked on several NYCDDC projects as resident engineer and project manager. These projects included water mains: HWX647B, Reconstruction of Paulding Ave Phase II, and MED595, Installation of Trunk Mains in Astor Place. Mr. Raza is licensed professional engineer in the State of New York and Connecticut. He has bachelor's degree in civil engineering a master's degree in traffic and planning. In addition to his comprehensive knowledge of technical and managerial requirements for efficiently performing as Resident Engineer, his strong background in highway design, traffic engineering, public outreach, and community liaison are effective assets in successfully implementing all aspects of REI construction projects.

PROFESSIONAL REGISTRATION

Professional Engineer: State of New York License No. [redacted]
Professional Engineer: State of Connecticut License No. [redacted]

PROFESSIONAL EXPERIENCE

Project Executive, NYCDDC HWS2009X, REI Services for Prior Notice Sidewalks, Bronx, NY
Mr. Raza ensured the project progressed efficiently. He facilitated and led EnTech project staff from the front through active involvement in the project to deliver a high quality product and to keep pace with this intense construction activity project involving approximately 750 properties in a six-month timeframe. Mr. Raza ensured highly competent staff and technical/administrative resources availability. The project was completed ahead of time, below the budget (75%) and to the full satisfaction of NYCDDC officials.

Project Manager, NYCDDC HWX647B, REI Services for Reconstruction of Paulding Ave Phase II, Bronx, NY
Mr. Raza oversaw the chief inspector responsible for field operations. Enabled and led chief inspector to effectively support the project team in meeting project objectives. Actively site visits to keep deeply involved in the project both technically and administratively. The project is progressing with full satisfaction of NYCDDC officials in reference to field inspection.

Project Manager, NYCDDC MED595, REI Services for Installation of Trunk Mains in Astor Place and Cooper Square Area, NY
As the Project Manager representing EnTech as subconsultant, Mr. Raza ensured highly-qualified senior inspector for the project to effectively support the project team in meeting project objectives. Visited the site on regular bases and met with involved parties and kept involved in the project both technically and administratively. The project is progressing with full satisfaction of NYCDDC officials in reference to field inspection.

Resident Engineer, NYCDDC HWS2007K1, REI Services for the Installation of Sidewalks, Curbs and Pedestrian Ramps, Brooklyn, NY
Mr. Raza oversaw installation of sidewalk, curbs, and pedestrian ramps. The project involved relocation of traffic signals, modifications to existing sewer manholes. The project also involved installation of pedestrian ramps in refuge islands along Ocean Parkway and Coney Island Avenue. The project also involved coordination with utilities companies, and designing and overseeing elaborate MPT along Ocean Parkway and Coney Island Avenue. Responsibilities included: ensuring enforcement of construction and consulting services contracts including completion of the contract within time and budget, technical support and

management of the REI staff; coordination amongst various stakeholders in the project including contractor, various city agencies, schools and the community; oversight of contractor's partial, substantial, and final payments, complaints management in an effective manner and to the total satisfaction of EIC, organizing progress meetings, preparing agenda, minutes of meetings and follow ups, and ensuring full documentation of project closeout.

Resident Engineer, Newark Department of Engineering, Wilson Ave Reconstruction Project, Newark, NJ
Resident Engineer whose responsibilities included periodic project site visits and supervision of contractor's work for compliance with construction plans and NJDOT standard specifications. Duties also included review of itemized quantities and daily inspection reports (IDR) produced by the senior inspectors. Responsible for authorizing or rejecting any change orders requested by the contractor in consultation with EIC. He oversaw the removal and replacement of existing Wilson Ave roadway and made certain the entire project limits were in compliance with construction plans and NJDOT standard specifications. The roadway was replaced with superpave pavement curb to curb. The project involved installation of new steel faced curb, 4-inch think sidewalks and 6-inch think driveways, installation of pedestrian ramps in compliance with American Disability Act (ADA) requirements, cleaning of existing drainage structure, installation of inlets, manholes, and fire hydrant assemblies.

Work Zone Safety/Traffic Engineer, PANYNJ, Construction of Light Rail System from JFK to Jamaica, Queens, NY
Work Zone Safety/Traffic Engineer, responsibilities included extensive planning and supervision of work zone traffic control and safety plans of one of USA's busiest Highway I-678 (Van Wyck Expressway), and local streets during accelerated construction of this precast post-tensioned segment viaduct. Work zone traffic control and safety design for the construction of Jamaica Terminal involving lane closures and related traffic and pedestrian impacts.

EDUCATION

MS, Public Policy Administration, 1999
International Development, Carleton University, Ottawa, Canada

BE, Civil Engineering, 1990
NED University of Engineering and Technology, Karachi, Pakistan

CERTIFICATION

ACI Concrete Field Testing Technician Grade 1, ID # [redacted]
New Jersey Asphalt Testing Technician Certified
ATSSA Work Zone Traffic Control and Safety Supervisor
Road Safety Auditor
40 Hour OSHA Course

PROFESSIONAL MEMBERSHIP

Institute of Transportation Engineers (ITE)
American Society of Civil Engineers (ASCE)

REFERENCES

Jocelyn Damis, PE, Deputy Director [redacted]
Eric Sattler, PE, EIC [redacted]
Fares Abdulrazzak, PE, EIC [redacted]
Lambert Monah, PE, Deputy Director [redacted]

BACKGROUND

Mr. Yhap is an experienced civil construction inspector with over 20 years of inspection experience with the NYCDOT, MTA-TBTA and CONNDOT. Mr. Yhap is a NICET IV Highway Construction Inspector and ICC Structural Masonry, Steel and Bolting Special Inspector certified. In addition, he has construction inspection experience on long span suspension bridge cables and suspender ropes.

PROFESSIONAL EXPERIENCE

Construction Inspector, ConnDOT CSO 2183, Project No. 0172-0412 & 0172-0413, Construction Inspection Services (Road, Bridge, Aviation) Pavement Marking, CT

This project consists of installation of Epoxy Resin Pavement Markings on Interstate Routes in the same locations as the existing epoxy resin pavement markings, except when indicated otherwise in the contract documents or by the Engineer in Various Towns in District 2. The new pavement markings to be installed will differ from the existing pavement markings, per the contract plans for the updated pavement markings. As an inspector, his assignment is to inspect all contractors work and ensure conformity with the ConnDOT's plans and specification for the duration of the project. Some of his assignment also includes maintenance and protection of traffic during project activities. All records are been kept in accordance with the Manual of Uniform Record Keeping (MURK).

Chief Inspector, NYCDEP NC-47, CM Services for South Battery Reconstruction and South Control Building, New York, NY

This reconstruction project involved the demolition of block walls installed in the tanks under the interim upgrade to simulate step feed flow and demolition of tank walls where the new detritor grit facilities and a new common channel upstream of the aeration tanks will be constructed. Inspected the complete replacement of tank equipment, piping and auxiliary systems which was included in the reconstruction. The existing South Control Building was originally slated for demolition, including construction of a completely new South Control Building.

Chief Inspector, MTA-TBTA, Throgs Neck Bridge, Bronx and Queens, NY

The project included reconstruction of the main cable and suspender rope investigation, structural steel repairs, painting and catwalk replacement of the Throgs Neck Bridge.

Senior Inspector, Various Projects, New York, NY

- **NYCDOT**: Construction Inspection for replacement of Shore Road Circle Bridge over Amtrak, Bronx, NY
- **NYSDOT**: Construction Inspection of installation of Intelligent Transportation System (ITS) improvements on the Bronx River Parkway and the Hutchinson River Parkway, Bronx, NY.
- **NYCDOT**: Rehabilitation inspection of the Brooklyn Tower Esplanade of the Brooklyn Bridge over the East River, Manhattan & Brooklyn, NY.
- **NYCDOT**: Rehabilitation Inspection of the Gun Hill Bridge over Metro North Railroad, Bronx, NY
- **NYCDOT**: Rehabilitation inspection of the Cross Bay Boulevard Bridge over Conduit Bo, Queens, NY.
- **NYCDOT**: Rehabilitation Inspection of the Guy R. Brewer Boulevard Bridge over Belt System Southern Parkway, Queens, NY.

Senior Inspector, Various Bridge Inspection Projects, New York, NY

- **NYCDOT**: Reconstruction inspection of the Flatbush Avenue Bridge

over the belt Parkway, Brooklyn, NY.
- **NYSDOT**: Construction inspection of sign structure installation of the Major Deegan Expressway, Bronx, NY.
- **NYSDOT**: Construction inspection of sign structure installation on I-295, I-695 and 907-F, Bronx, NY.
- **NJHA**: Construction inspection of the Garden State Parkway Bridge repair, Monmouth County, NJ.
- **NYSDOT**: Construction inspection of guide rail, overhead signs and landscaping improvements on Routes I-278/R-440, Staten Island, NY,
- **NYCDOT**: Reconstruction inspection of the Melrose Avenue viaduct over Conrail,. Bronx, NY

Assistant Team Leader/Inspection, Various Biennial and Bridge Inspection Projects, New York, NY
- **PANYNJ**: Report writing for biennial inspection of three bridges at LaGuardia Airport in Queens.
- **MTA-TBTA**: Biennial inspection of the Throgs Neck Bridge spanning the East River between the boroughs of Queens and Bronx.
- **NYCDOT**: In depth inspection of the Flatbush Avenue Bridge over Belt Parkway in Brooklyn.
- **NYCDOT**: In depth inspection of the Cropsey Avenue Bridge (double leafed bascule) Island Creek and Bank Street Viaduct over an abandoned railroad in Brooklyn, NY.
- **NYSDOT**: Biennial inspection of bridges in the Bronx, Manhattan and Staten Island.

EDUCATION

Civil Engineering
New York City Technical College, Brooklyn, NY

CERTIFICATION

Highway Construction Inspection Level IV – NICET, 4/20163
Structural Masonry Special Inspector – ICC, 3/2011
Structural Steel and Bolting Special Inspector – ICC, 1/2010
Concrete Construction Special Inspector – ACI, 10/2009
Supported Scaffold User Certification – ASC, 8/2009
Safety and Security Training – AMTRAK, 8/2008
Concrete Field Testing Technician – ACI, 7/2008
10 Hours OSHA Training Course – LIRO, 5/2008
Field Fixes - Solutions and Preventions – AISC, 11/2003
Fundamentals of Post-Tensioned Foundations– PTI, 8/2003
Fundamentals of Fastening Technology and Bolted Joint Design – CLEMSON UNIVERSITY,10/2009
Concrete Repair Basics – ACI, 10/1997
Structural Welding and Specifications – SSTC, 4/1997
Bridge Inspection Level III – NICET, 4/1992
Inspection of Portland Cement Concrete Course – NYCDOT, 4/1992
Quality Requirement for Steel Structures – SSTC, 10/1990
Bridge Inspection, Evaluation and Rehabilitation – ASCE, 3/1990
Methods of Bridge Inspection – NYSDOT, 11/1988

PROFESSIONAL MEMBERSHIP

Member, American Welding Society
Member, American Society of Certified Engineering Technicians

BACKGROUND

Mr. Oyedijo is a NACE Level II inspector with extensive experience in construction projects. His work experience includes coating inspection, earthwork, building, sanitary and highway construction inspection.

PROFESSIONAL EXPERIENCE

Coating Inspector, NYCDOT, REI Services in Connection with Protective Coating of Greenpoint Avenue Bridge over Newtown Creek, Brooklyn and Queens, NY
The duties included NACE coating inspection services. Provided inspection of bridge coating procedures according to specifications and standards, monitoring contractor operations of cleaning and surface preparation, as well as ambient and steel surface conditions for proper painting and proper containment, taking field measurements, collection of data, and preparation of daily IR reports.

Coating Inspector, NYCDOT, Rehabilitation of Bruckner Expressway Bridges Over AMTRAK and CSX Rail Road, The Bronx, NY
This $74M design build project consisted of the rehabilitation of Bruckner Expressway Bridge over AMTRAK and CSX Rail Roads and involves a new superstructure with rehabilitation of the abutments and replacement of the deck. The REI Team is responsible for performing in-depth inspection, deck evaluation, rehabilitation report, review of preliminary and final design and construction support services for the rehabilitation of the expressway, work permits, insurances, work schedule, and evaluating traffic maintenance plan (MPT). The REI Team actively communicates with utilities and Rail Road companies for coordination of the work. Mr. Oyedijo inspected the bridge coating procedures.

Coating Inspector, NYCDOT, East 8th Street Access Bridge over Bay Parkway, Brooklyn, NY
The work included inspection of bridge coating procedures according to the specification. Monitored ambient temperature and humidity, monitored touching up the paint application and the three stage coating process for the bridge.

Project Coordinator, NYCHPD, New York, NY
The work included inspection of buildings for defect as per violation. Provided recommendation of corrective measure needed as per alterations and repairs for the structural, electrical, plumbing and heating system as per HPD specifications. Inspected completed work done by the contractor for compliance with specifications.

Safety and Loss Control Consultant, Staten Island, NY
Implemented safety program to ensure compliance with required Federal, State and Local safety standards. Coordinated with superintendents to ensure safe work site. Conducted weekly safety meetings and toolbox talks and accident investigations.

Construction Inspector/Safety Officer, New York, NY
Supervised the abatement and sand blasting of lead paint for the bridges and water towers. Conducted air monitoring for worker exposure to potentially hazardous materials such as lead dust, asbestos, respirable silica dust and paint solvent vapors using OSHA-established permissible exposure limits.

Safety Inspector, NYCDHP, New York, NY
The work included inspection of properties, preparation and review of cost estimate

alterations and plans consistent with the Department of Housing Preservation. Developed policies and ensured compliance with applicable City, State and Federal rules and regulations governing the abatement of lead hazards. Inspected properties to determine the required plans of action, and coordination of various repair activities and construction with other city agencies or private contractors. Sampled painted surface with RMD device (X-ray) fluorescence to detect the lead content.

Senior Engineering Technician, NYSDOT Region 10, Hauppauge, NY
As the NYSDOT engineering technician, Mr. Oyedijo inspected highway construction, drainage, paving and concrete projects. Inspected contractors to ensure compliance with the plan, specifications, regulations, safety and health rules for reconstruction of the bridge over Swift Creek on Loop Park way, Nassau County. Oversaw reconstruction of New York Route 25 and New Hyde Park intersection.

Hazard Reduction Inspector, New York, NY
Mr. Oyedijo inspected the properties for lead paints and the recommended corrective measures for removal to the contractors working on the project.

EDUCATION

BA, Tech Mechanical Engineering, 1987
City and Guilds of London Institute, London, UK

CERTIFICATION

NACE CIP LEVEL I and II
OSHA 10 and 30 Hour
40 Hour Site Fire Safety Manager Training
SSPC C3 Lead Supervisor
SSPC C5 Supervisor

BACKGROUND

Mr. Magnas has 19 years of field experience working on environmental and construction inspection projects. He has experience with pavements, structural concrete, decking, drilling, excavations, foundations, and marine related construction and knowledgeable in Phase I and II environmental assessment and remediation, hazardous material/waste management, and industrial hygiene. Mr. Magnas has worked on brownfields remediation, geology, soil contamination, and building sciences, with a wide range of inspection tools including seismographs, nuclear densometers, x-ray fluorescence, concrete testing, painting instruments, and many more. He has worked on the Willis Avenue, Bruckner, Verrazano, and Henry Hudson bridges to name a few and is familiar with NYCDOT, NYSDOT, NYCSCA, NYCDDC, TBTA and NYCT work practices and procedures. Mr. Magnas is NACE Level II Inspector with extensive bridge blasting and painting experience and is certified with the American Concrete Institute.

PROFESSIONAL EXPERIENCE

Construction Inspector, MTA-TBTA, Construction Administration and Inspection Services for Replacement of Upper Level Deck of Suspended Span of the Verrazano-Narrows Bridge, Staten Island, NY
This project included steel painting with high performance coatings and Class 1A containment. EnTech, as a subconsultant to GPI is providing SSPC and NACE certified inspectors for the blasting and environmental monitoring activities, including but not limited to, overseeing the Class 1A containment inside the bridge, on the bridge and underneath the bridge, blasting of structural steel, checking for visible emissions and ambient Air monitoring and ensuring compliance with the contract requirements, US Coast Guard permit requirements, the OSHA and relevant local, state and federal environmental regulations.

Construction Inspector, MTA-TBTA PSC-11-2892, CM/CI for Project HH-07, Structural Rehabilitation at the Henry Hudson Bridge, Bronx, NY
This $6M project included repair/replacement of deteriorated gusset plates, diagonal members, lacing bars and member web/flanges at various locations. Worked directly under supervision of Resident Engineer. Responsibilities included: checking for damages to the galvanized coating of new steel and fixing the damages; rivet busting and installation of new HS bolts; bolt torquing including the use of calibrated skidmore; repair of concrete abutments; painting/coating inspections; structural steel construction at arch level including replacement of transverse bracing members; installing new bracing member; and coordination in accordance with MTA, NYCDEP, and NYCDOT construction procedures, plans and specifications.

Senior Environmental Engineer, NYCDOT BRCR076A, REI Services for Reconstruction of Willis Avenue Bridge, Bronx, NY
Mr. Magnas was in charge of all environmental issues related to demolition and reconstruction of this major movable bridge project while serving as a river group inspector for all construction in the river. This $612M NYCDOT project involved the replacement of the Willis Avenue Bridge, a swing-type movable bridge over the Harlem River along with approach roadways and spans in Manhattan and the Bronx. The project involved extensive environmental issues including lead-based paint removal, asbestos abatement, mercury, polychlorinated biphenyls, and soil and ground water contamination. Other construction inspection roles included the installation of mini piles, pile caps, columns, pedestals, and steel erection. He inspected the removal of existing approach spans, construction of caissons socketed into bedrock, construction of new footings, abatement and cap beams,

and inspected steel erection including installation of bearings and welding to gilders. He submitted payment quantities for granite, concrete, reinforcement, etc. based on contract drawings and specification. Performed field testing of regular and lightweight concrete and inspected placement of concrete for piers, deck slab, roadway base and sidewalks. Supervised installation of bridge rail and pedestrian fence on the bridge and approaches, the installation of temporary concrete barriers and fence. Oversaw the site activities and reviews the contactor work, completed the review of related reports and documents, the contractors work plan and the health and safety plan. Responsible for sampling of the hazardous materials, review of lab data and made required recommendations accordingly. Ensured proper air monitoring, and coordinated the extensive other construction activities at the site. Supervised and documented payments for contractor activities during the construction of the Willis Avenue Bridge, the installation of new structures and the removal of existing structures.

Senior Environmental Engineer, NYCDOT HBX1123A, REI Services for Rehabilitation of Bruckner Expressway Bridges over AMTRAK/CSX Rail Road, Bronx, NY
This $74M design build project consisted of the rehabilitation of the northbound and southbound Bruckner Expressway Bridge over AMTRAK and CSX Rail Roads and involved a new superstructure with rehabilitation of the abutments and replacement of the deck. Responsible for providing environmental services regarding the lead-based paint removal and hazardous waste management. Oversaw the air monitoring activities. Responsibilities also included review of related documents and inspecting related field operation, testing and monitoring, controlling emissions, air pollution control, and managing soil contamination. Reviewed the health and safety plan, containment system plan and decontamination measures prior to contractor's paint removal operations. Coordinated the environmental activities at the site. Maintained records, documented the daily logs, and produced the final report. Served as a painting inspector overseeing the Class 1A containment around the bridge, the blasting of structural steel, and painting of the steel.

EDUCATION

BS, Civil and Environmental Engineering, 1999
Minor in Computer Science and Industrial Management
Carnegie Mellon University Pittsburgh, Pennsylvania

CERTIFICATION

NACE Level II
SSPC (Society for Protective Coatings) C3 & C5
NYSDOL Asbestos Designer, Project Monitor, Inspector and Air Sampling Technician
NYCDEP Asbestos Investigator
USEPA LBP Risk Assessor
OSHA 40 hours - HAZWOPER
OSHA - Confined Space Entry
US Nuclear Regulatory Commission, Operator Nuclear Moisture and Density Equipment
ACI Certification
Multiple X-Ray Fluorescence Training Certificates

BACKGROUND

Mr. Bolling has 18 years of progressive construction inspection experience and office engineer experience for NYCDDC infrastructure projects. He specializes in NYCDDC water mains installation projects. His NYCDDC experience includes retaining structures, street reconstruction, including installation of water mains and sewers, and drainage systems. His experience also includes bridge painting, structural repairs, and drawing preparation. He has been senior construction inspector on several NYCDDC projects. He is a certified NICET Level IV.

PROFESSIONAL EXPERIENCE

Senior Inspector, MTA-TBTA, Brooklyn Battery Tunnel 3 Vent Buildings Restoration Project, Manhattan and Brooklyn, NY
This project consisted of structural concrete repairs to all 3 vent buildings and tunnel shafts. Responsibilities included locating repairs by looking for major cracks, spalling in the walls ceilings, floors and columns. The locations that had visual evidence of deterioration were sounded with a hammer to determine the area repair limits. Enforce safe work environment and use of personal protective equipment at all times. Taking measurements and calculating all quantities of all 3 vent buildings.

Senior Inspector, NYSDOT D258530 and D258078, Emergency Repair and Maintenance Project of BQE Expressway, Brooklyn, NY
The project involved cleaning, painting, structural steel repair, bridge deck replacement and bridge railing upgrade of the Gowanus. Responsible for all nighttime operations, inspected MPT enforced safety specification according to OSHA regulation, emergency and contract full depth concrete deck replacement, partial deck replacement, existing bridge deck demolition, placement of exodermic deck panels, double box beam bridge railing installation, set-up Class A containments and inspection of steel after blasting.

Senior Inspector/Safety Engineer, NYSDOT D258476, Cleaning, Painting and Structural Steel Repairs of the Kosciusko Bridge over Newtown Creek, Brooklyn, NY
This project involved cleaning, painting, and miscellaneous structural steel repairs of the Kosciusko Bridge over Newtown Creek Interstate 278. Duties included inspection of Class A containment system for paint removal, proper handling of paint removal waste, abrasive blasting, vacuuming equipment with HEPA filtering system, fall protection, public safety, MPT, permissible lead exposures, mixing of paint, application of paint to structural steel and galvanized surfaces, shielding operations, clearing and grubbing of pigeon droppings, air monitoring around Class A containment, and miscellaneous steel removal and repairs.

Chief Inspector, NYCDDC HWQ331C, REI Services for Reconstruction of Newport Avenue, Queens, NY
This project administered by the NYCDDC for the NYCDOT involved reconstruction of 9 blocks of Newport Avenue, a two-lane street and 20 blocks of Rockaway Beach Boulevard, a four- lane street with landscaped center medians constructed on 14 of the blocks. Responsibilities were to assign inspectors to operation, check inspectors daily reports, provide oversight to entire jobsite, make field decisions, inspect steel faced curb installation, catch basin installation, storm drainage pipe connection to manholes, sanitary connections, 20-inch water main offsets, concrete sidewalk installation, MPT, concrete testing and sampling, roadway milling, major paving of rigid and flexible pavement operations, electrical conduit and traffic signal hardware installation. Enforce OSHA/NYCDOT safety.

Senior Inspector, NYCDDC HW2CRO2C, REI Services for Roadway Milling, Brooklyn and Queens, NY
This project involved "when and where" asphalt milling and paving contract in Brooklyn and Queens. Duties included measuring square yardage of area milled (yield), and compared yield to trucks loads and paying the lowest quantity.

Senior Inspector, NYSDOT D260782, Noise Barrier Construction Westbound Long Island Expressway, Roslyn Heights, NY
This project consisted of construction of noise barrier. The associated work includes soldier piles for lagging walls, small section of permanent steel sheeting, relocating and installation of sewer force main, roadway concrete repairs, and new pavement with super-pave asphalt on north service road (Power House Road W/B) of Long Island Expressway at Roslyn Road. Responsibilities included in-depth understanding of contract requirements and ensuring contractor compliance with those requirements and NYSDOT standard specifications. Also responsible for overseeing contractors' work at the field, confirming quality and quantity of the work performed by the contractor, verifying monthly payment, preparing daily field logs, and compliance with all related NYSDOT record keeping requirements.

Inspector, NYSDOT D258437, Long Island Expressway/Cross Island Parkway Improvement Project, Nassau County, NY
This was a $130M construction project involving 14 bridges and 30 miles of highway. As the highway/bridge construction inspector, responsibilities included inspection for the construction of concrete retaining wall structure, inspection of soil control/stabilization, sanitary and storm drainage system installation on cradle, 36" water main installation, reinforced concrete foundation installation, maintenance and protection of traffic, bridge steel erection, stay-in-place form placement, responsible for concrete bridge deck placement, bridge demolition, soldier piles and lagging wall, epoxy coated or black re-bar placement and rigid and flexible pavement operations.

EDUCATION

Engineering Technician/Construction Inspection, 1995
Joint Urban Manpower Program, New York, NY

Diploma, Computer Aided Drafting and Engineering, 1995
Drafting and Engineering Technology, New York, NY

Diploma, Computer Technology, 1994
Vocational Foundation, Inc., New York, NY

CERTIFICATION

NICET Level IV
ACI Technician Level I
OSHA 10 Hour
Confined Space Training
NYCDDC Quality Assurance Concrete Testing Certified
Trained in Computer Aided Drafting (Microstation)
Soils Technician

BACKGROUND

Mr. Asem is an experienced structural engineer with 24 years of experience in the engineering and construction industry. He has an in-depth understanding and experience in NYCDDC REI projects and structural engineering. Mr. Asem has extensive NYCDDC construction inspection experience including distribution water main, street reconstruction, sidewalk, curbs and pedestrian ramps projects. He has an exceptional track record on every project (including those with NYCDDC) he has worked on. He holds a bachelor of science in civil engineering and is knowledgeable in all aspects of resident engineering inspection. Mr. Asem has extensive computer and software experience and has used numerous programs as part of his design experience. He is well-versed with computerized design and drafting programs including AutoCAD, MicroStation, AutCAD Land Desktop, Visio 2010, SAP 2000, Etabs, MathCAD, and more.

PROFESSIONAL REGISTRATION

Professional Engineer: State of Connecticut, No. [redacted]
Professional Engineer, State of NY No. [redacted]

PROFESSIONAL EXPERIENCE

Resident Engineer, NYCDDC RWX021, REI Services for Retaining Wall Reconstruction at Cannon Place, Bronx, NY
This $3.8M active project involves replacement of the existing retaining wall along the west side of Cannon Place, replacement of 8" distribution water main with hydrants, replacement of existing 12" combine sewer with type B1 manholes, catch basins type I and basins connections, restoration of roadway base and pavement, pavement markings, concrete curbs, sidewalks, and relocation of utilities. Mr. Asem is responsible for all technical aspects of the project, reviewing contract drawings and addendums, preparing the Resident Engineer Dairy, reviewing MPT, reviewing the daily inspection reports, reviewing pre-construction reports, and oversees the contractor's activities to ensure compliance with safety and pertinent construction specifications.

Office Engineer, NYCDDC MED617, REI Services for Distribution Water Main Extension and Replacement, Manhattan, NY
This $5.85M project involved replacing existing aged 16" water mains with new 20" DIPs. Also, 12" water main tie-ins and 6" hydrant extensions were replaced and updated, fire hydrants installed and upgraded, pavement restored and numerous utility facilities relocation. The project was executed in close proximity to city transit underground facilities. Mr. Asem was responsible for the administrative and technical aspects of the project as well as reviewing the specification and contract drawings, supporting the field staff, preparing the contractor's monthly payment, reviewing daily inspection reports ensuring accuracy and completeness, reviewing contractor's submittals and preparing in service drawings and field cards. He coordinated with other NYCDDC departments, other City agencies and utility companies as per required to ensure smooth implementation of the project.

Project Engineer, NYCDOT HBX1131, Total Design and CSS for Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge), Bronx, NY
This project is a major NYCDOT movable bridge project with an estimate of $120M for construction. The project involves replacement of the existing bascule bridge, construction of a new overpass and realignment of the existing connector ramps. EnTech is a sub to Hardesty and Hanover. The project is in preliminary design phase. EnTech prepared conceptual staging plans for the bridge replacement, preparation of preliminary staging plans for three stages construction. Other tasks

will involve preparation of MPT plan and other civil engineering assignments. Mr. Asem prepared Conceptual Construction Staging Design including controlling horizontal alignment for AASHTO WB-50 truck.

Senior Inspector/ Office Engineer, NYCDDC HWXP093A, REI Services for Reconstruction of Pratt Avenue, Bronx, NY
This $15M reconstruction project included installation of distribution water mains 6", 8", 12" and 20" installation of combined and storm sewer 12", 15" ESVP also 24", 36" and 48" RCP. The project included installation of catch basins, manholes and hydrants, reconstruction of roadways, curbs, sidewalks, pedestrian ramps, street lighting and traffic lights. As part of the project many utilities were relocated. Responsible for oversight of construction activity, MPT plans, utility relocation/coordination in accordance with NYCDEP, NYCDDC and NYCDOT construction procedures, plans and specifications. Prepared quantity takeoffs, catch basin inventory/as-built, payment estimates, daily inspection reports and Highway and Sewer as-built drawings, controlled plan and payment deviations.

Project Engineer, NYCSCA, Engineering Design Consulting Services for Securing the Playground Structure at Battery Park City School PS 276, Manhattan, NY
The project involved attaching playground equipment to the roof of a school building approximately 40 feet high from the ground level. Mr. Asem provided structural design engineering which included calculating the wind force, designing the attachments and anchor bolts and controlling the base plate for the playground. The design was carried out in reference to NYCDOB code 2008 and AISC material code.

EDUCATION

BS, Civil Engineering, 1990
University of Tabriz, Iran

CERTIFICATION

Certificate in Structural Engineering (CSE) (2010)
NICET IV (equivalent)
Structural Engineers Association of British Columbia (SEABC) – Vancouver, Canada
Cert. Seismic Aspects of Reinforced Concrete Design, 2007
Cert. Earthquake Engineering and Seismicity, 2008
Cert. Structural Steel Design for Buildings, 2008
Cert. Seismic Design of Steel Structures, 2008
Cert. Timber Design of Light Residential and Commercial Buildings, 2008
Cert. Analytical Methods in Structural Engineering, 2008
Cert. Computer Structural Analysis, 2008
Cert. Application of Dynamic Analysis for Seismic Design, 2009
Cert. Design of Earth Supported Structures, 2009
Cert. Computer Software in Structural Engineering, 2009
Cert. Effective Structural Modeling, 2009
Cert. Conceptual Structural Design, 2009
Cert. Reinforced Concrete Design I, 2009
Project Management Certificate (PMC), 2007
Microsoft Certified Professional (MCP), 2000

COMPUTER SKILLS

MS Project 2007, MS Visio 2007, AutoCAD 2010, Microsoft Office 2007, SAP2000, Etabs, MathCAD 14

BACKGROUND

Mr. Raitelu has over 9 years of experience in construction inspection services on bridge and highway projects. He has overseen bridge deck replacement, steel repair and installation and painting, paint removal operation, utilities installation and relocation, lighting, drainage, precast concrete and MPT for large and complex projects. His duties have included supervision, coordination, ensuring conformance with contract plans and specifications, preparing as-built drawings measuring quantities, and monitoring contractors operations.

PROFESSIONAL EXPERIENCE

Construction Management, PANYNJ, The Bayonne Bridge Navigational Clearance Program, Staten Island, NY
For this major infrastructure program raising the Bayonne Bridge to allow Navigational Clearance is schedule to be completed in 2018. Responsibilities for this project included CM services related to multi-disciplinary Civil, Structural, Electrical, and Mechanical Engineering, Coatings systems, and CM and Project Support Services specifically related to construction of new approaches. This aspect included structural steel, precast concrete elements, viaduct construction, drilled shafts, and mini piles. Specifically these services involved performing inspection services, constructability reviews, coordinating construction activities with facility operations, permit compliance, contract administration, and preparing construction cost estimates and schedules. Environmental consulting duties consist of reviewing environmental and safety regulations regarding the safety of site workers including OSHA, NY & NJ state regulations, and project HASP and advising the CM team on how to comply with the applicable regulations and requirements. Additional tasks include identification of the safety equipment and attire (PPE) required to be used on-site and identifying authorized vendors to supply the approved materials. Advising the required training for the CM team for working on a HazMat site and confirming knowledge of proper use of safety equipment and attire for workers' protection.

Construction Inspector, NYCDOT, REI Services, Saint George Ferry, Staten Island Ferry Terminal Ramps, NY
REI Services for Design Build for the rehabilitation of Saint George Ferry Staten Island Terminal Ramps for NYCDOT. Scope of work included full and partial deck replacement, concrete abutment repair, rehabilitation of deteriorated steel super and substructure members as well as complete removal and installation of new paint system on all exposed structural steel. Other duties include the inspection of replacement of the bridge lighting and drainage systems, replacement of the underground storm water drainage system from the bridges to the final point of discharge in the Upper New York Bay, installation of a pigeon deterrent system, reconstruction of the North Municipal Parking Field and architectural enhancements to the bus canopies and pedestrian breezeway.

Construction Inspector, NYSDOT, Emergency Repair and Interim Deck Replacement on the Gowanus Expressway, Brooklyn, NY
The work involved deck replacement, BQE connector widening/replacement, lower Gowanus Expressway pavement rehabilitation, structural steel and concrete repairs, structural steel painting, drainage work, and operation of the existing HOV lane. This is a major deck replacement project located in a high speed, high traffic volume urban area. This project includes traffic management strategies such as construction phasing, lane closure restrictions, night and weekend work.

Construction Inspector, NYSDOT, Three Bridges in the Bronx, Bronx, NY
This project involved Resident Engineering Inspection for reconstruction of three bridges in the Bronx. Each construction site involved stage construction work, nighttime operations utilizing cross-overs, Critical Path Method scheduling and public outreach program. Prepared daily reports for MPT, substructure demolition, excavation, concrete placements, steel and pre-cast beam erection, drainage, concrete and asphalt pavement, sidewalk construction, bridge and approach lighting. Other duties included assisting in monitoring pile driving operations, soil sampling and testing, concrete sampling and testing.

Construction Inspector, I-95 NB over Throgs Neck Extension Bronx, NY
Full superstructure, abutment and pier reconstruction of I-95 (N/B) Mainline and Bruckner Boulevard Service Road Bridges, new curved, two span continuous HP steel stringers for improved alignment, concrete piles for pier and abutment footings, double-wall modular units with fascia barrier; approach slabs, pre-cast concrete barrier and concrete pavement, street lighting, ITS, drainage and sign structure installations, mill and fill asphalt on I-695 and landscape, temporary bridge with pedestrian access, temporary H-pile and lagging wall with tie-back system, temporary and permanent GRES walls, and noise walls.

Construction Inspector, East Tremont Avenue over Cross Bronx Expressway Extension (I-295), Bronx, NY
Replacement of 2-span superstructure framing with pre-stressed, pre- cast concrete beams, substructure modifications including extension of pier columns and abutment rehabilitation, approach slabs, pre-cast concrete barrier and drainage, traffic and street lighting installation, electrical, telephone, gas and electrical utility installation on and off structure, mill and fill asphalt on I-295 and landscape work, two temporary bridges with pedestrian access, relocating of utilities, temporary H-pile and lagging wall, and steel PZ sheeting.

Construction Inspector, Cross Bronx Expressway Extension (I-295) over Randall Avenue, Bronx, NY
Deck replacement of 3-span bridge, structural lifting and pedestal/bearing replacement, Class 'A' containment and structural steel painting, precast concrete median barrier installation.

EDUCATION

Joint Urban Manpower Program, 2004
CUNY, Borough of Manhattan Community College

CERTIFICATION

NICET Level III, #[redacted] 2001
ACI Concrete Field Testing Technician Grade I, 2005
ACI Associate Concrete Construction Special Inspector, 2008
OSHA 10-Hour Construction Safety and Health Training Course, 2008
NJSAT, 2008
PCI Quality Control Personnel Certification, Level I and II, 2008
TCC - Traffic Control Coordinator, Rutgers University

BACKGROUND

Mr. Fenton has 18 years of experience in construction inspection, civil engineering, and architectural inspection. He has worked on several major bridge and tunnel construction projects including 145th Street Bridge, Williamsburg Bridge, Macombs Dam Bridge, 9th Street Vertical Lift Bridge, Madison Avenue Bridge, and Three NYC Vehicular Tunnels. He also has worked on MTA-TBTA, MTA-NYCT and PANYNJ projects providing construction inspection, architectural inspection and condition survey services.

PROFESSIONAL EXPERIENCE

Construction Inspector, NYCDOT BRCR076, REI Services for Reconstruction of Willis Avenue Movable Bridge over the Harlem River, Manhattan and Bronx, NY
On this $612M project over the Harlem River, Mr. Fenton serves as the inspector, supervising contractors activities during the construction of the construction of a new ramp to the Willis Avenue approach, oversee the installation of mini piles, pile caps, columns, pedestals, and steel erection. He inspects the removal of existing approach spans, construction of caissons socketed into bedrock, construction of new footings, abatement and cap beams, and inspected steel erection including installation of bearings and welding to gilders. He supervises MPT activity at the Harlem River Drive, which included daily and long-term closures.

Survey Inspector, NYCDOT HBMC002, Rehabilitation of Three Vehicular Tunnels, New York, NY
Survey Inspector Designer and Conditions Inspector – Design and construction services, including architectural and structural inspection/design. Rehabilitation of ventilation chambers, crew quarters and machinery supports. Rehabilitation of the above grade ventilation structures in Battery Park which functioned as an important landscape elements. Design involved restoration of stone cladding and new roofs and doors, while addressing aesthetics, security, OSHA, and maintenance requirements. Designed placement of fan openings for the Park Avenue Tunnel located in the median of Park Avenue.

Construction Inspector, PANYNJ, Condition Survey Inspection of Newark International Airport Terminal B, Newark, NJ
Verified existing ceiling construction and sprinkler head, supply and return air diffuser locations and electrical runs. Also, verified roof layouts, roofing, and drains conditions.

Construction Inspector, NYCDOT HBX1029, REI Services for Reconstruction of 145th Street Movable Bridge over Harlem River, Bronx and Manhattan, NY
Mr. Fenton inspected reconstruction of granite retaining walls following new roadway profile. Prepared payment quantities for granite, concrete, reinforcement, etc. based on contract drawings and specification. Performed field testing of regular and lightweight concrete and inspected placement of concrete for piers, deck slab, roadway base and sidewalks. Supervised installation of bridge rail and pedestrian fence on the bridge and approaches. Monitored MPT and installation of temporary concrete barriers and fence. Supervised rehabilitation of gatehouses.

Construction Inspector, NYCDOT BRC253CC, REI Services for Rehabilitation of Williamsburg Bridge over the East River, Manhattan and Brooklyn, NY
Responsible for calibrating torque wrench daily and torque testing of the bolted connections on the Manhattan and Brooklyn intermediate and main towers. Supervised platforms installation at main span roadway and upper levels of towers.

Monitored structural repairs tower bearing connections. Monitored cleaning of existing stone masonry using pressure washing with micro-abrasion. Supervised re-pointing of granite facing of Manhattan and Brooklyn anchorages, including the grinding and re-grouting of existing joints and re-pointing of comfort stations, reviewed shop drawings and field verified as-built quantity.

Construction Inspector, NYCDOT BRX287-R, Rehabilitation of Macombs Dam Bridge over Harlem River, Bronx and Manhattan, NY
Reviewed rehabilitation drawings and specifications. Performed inspection of stone face and developed alternative anchorage detail. Inspected architectural components for Landmark Bridge, including structural repairs of the camel back, deck truss, and swing span, and the exteriors/interiors of the operator and gatehouses and machinery room. Reviewed shop drawings and verified as-built field quantities.

Construction Inspector, NYCDOT BRC-291, Reconstruction of 9th Street Vertical Lift Bridge over the Gowanus Canal, Brooklyn, NY
Inspected architectural components of bridge, including concrete for piers, exteriors and interiors of operator and generator houses, and machinery rooms, plus roofing, siding and windows of towers

Condition Inspector, MTA-TBTA, Randall's Island Junction Structure Deck Replacement at the Tri-Borough Bridge, Manhattan, NY
Architectural design and utility survey for design and construction support services for new garage and shop facilities to be located below the rehabilitated junction structure. Responsibilities included code analysis, environmental assessment, civil design, utility investigation and architectural and structural design and coordination of the design of all building systems including electric, HVAC, fire protection and communications. Civil design includes design of outdoor parking area and access roads, grading, drainage and pavement design. Prepared estimates in accordance with TBTA procedures.

EDUCATION

Associate, Architectural Technology, 1987
The Institute of Design and Construction, Brooklyn, NY

Coursework, Architecture and Urban Planning Studies
City University of New York

CERTIFICATION

NICET Level IV
Training Course for Worksite Traffic Supervisors, ATSSA
ACI Certification

BACKGROUND

Mr. Wiater has 10 years of experience working on construction inspection projects for NYCDDC, NYCDOT, NYSDOT and NJDOT. He has excellent understanding of office engineering, construction inspection, concrete and asphalt placement, work zone traffic control and MPT, traffic signs, record keeping, and environmental concerns related to construction projects. He is efficient and has good knowledge and experience in AutoCAD and land surveying.

PROFESSIONAL EXPERIENCE

Office Engineer, NYCDDC S216-415A, Construction Management Services for the Renovation and Rehabilitation of the West 59th Street Marine Transfer Station, Manhattan, NY

This two phase, $47M project involved structural repair of the in-shore platform located east of the pier at the intersection of West 59th Street and Marginal Street. The Phase I work included site work, intersection safety improvements, replacement of the existing single truck scale with two new inbound and outbound truck scales, installation of a new truck ramp ventilation system, removal of the existing control booths and installation of a new control booth at the top of the ramp to house the scale computer equipment and monitoring work stations, and marine dredging south of the north pier and the barge slip. Phase II work included refurbishment of the existing 50,600 square foot pier building. Mr. Wiater's responsibilities included assisting with processing RFIs, project submittals, monthly progress payments, cost and schedule monitoring and reporting, reviewing certified payrolls and extra work bills for compliance with prevailing wage rates and allowable equipment rates, coordinating and scheduling material testing and surveying services, updating the as-built drawings, maintaining project records including daily inspection reports, material conformance and testing reports and material certification, and preparing weekly, monthly and special reports. He coordinated effectively with clients, contractors, subcontractors, public, NYCDOT, NYSDOT, fire department, and police as well as neighboring residents of the project.

Construction Inspector, NYSDOT D261719 Region 10, Rehabilitation of 9 Steel Bridges and Bridge Lifting Operations, North Hempstead in Nassau County and Towns of Babylon, Brookhaven, Islip and South Hampton in Suffolk County, Long Island, NY

This $15M NYSDOT project involved rehabilitation of nine (9) steel bridges including structural lifting operations using hydraulic jacks. Bridges were lifted 1/8" under live traffic conditions. Supporting pedestals from underneath of the bridge were demolished. The bridge was suspended 2'-3' and it was supported on hydraulic jacks. The new reinforcement was placed and new concrete pedestals were poured in place. The nine steel bridges were located over major Expressways, State and County roads in NY. Used "Site Manager" on daily basis to prepare DWR's for work performed in the field. Daily operations included structural steel replacement, replacement of type elastometric fixed and expansion bearings under continuous dead and live load, pedestal and bearing removal, lead paint removal and structural steel painting, environmental ground protection, class B containment, shallow, and deep patching of damaged pillars and pillar caps. Oversaw structural steel lifting operations, structural welding, steel plate retrofit, bolt sampling and skidmore torque testing of bolts. Verified construction materials were on NYSDOT approved list. Inspected and tested concrete Class A, F, and SCC using method of spread, delivered to the work site.

Assistant Office Engineer, NYCDOT BRCR076, REI Services for

Reconstruction of Willis Avenue Bridge over the Harlem River and Willis Avenue Bridge over the Major Deegan Expressway (I-87), Bronx, NY
This $612M project involved removal and replacement of the swing span and reconstruction of approach spans and roadways, mechanical, electrical, structural, and waterfront issues. Mr. Wiater maintained project records in accordance with MURK. Calculated paid quantities of items and ensured paperwork such as certifications of materials, delivery tickets and other related work, monitored progress pay estimates, submitted extra work bills, correspondence and as-built plans, scheduled deliveries of concrete to site, scheduled soil tests, concrete cylinders, and grout samples pickups. Oversaw asphalt placement and soil compaction operations. Prepared engineer's estimate for T&M packages of up to $200K per month. Prepared semi-monthly progress reports of work performed on the project.

Inspector/Assistant Office Engineer, NYSDOT D260347 Region 11, Lighting and Signing Improvements for the Cross Bronx Expressway, Bruckner Expressway and the Hutchinson River Parkway, Bronx, NY
As construction inspector on this $60M NYSDOT project, Mr. Wiater prepared daily logs, reviewed payments for the completed work, oversaw set-up of Work Zone Traffic Control (WZTC) and work safety, and inspected work performed by foremen, iron workers, electricians, carpenters, etc. Coordinated lifting procedures for single span and cantilever truss sign sections. Prepared concrete cylinders for compression testing for sign foundations, and oversaw paving work and placement of concrete barrier. Assured that work was done according to plans and specifications. Prepared bracket mass calculations and labor scheduling, and reviewed construction plans. Worked closely with/under the OE and EIC.

EDUCATION

ME, Civil Engineering, 2010
The Cooper Union, New York, NY

BE, Civil Engineering, 2009
The Cooper Union, New York, NY

CERTIFICATION

ACI Concrete Field Technician Grade 1
ACI-CCTC Certified
TCC – Traffic Control Coordinator
Work Zone Safety Awareness Rutgers Course
NJSAT – Asphalt Pavement Construction Certification
OSHA-10 Hour Course
NICET III (equivalent)

COMPUTER SKILLS

Site Manager, AutoCAD (2-D & 3-D design software), MS Project, Carlson, SAP 2000 (structural analysis), HMS, Hydro-flow, WaterCAD, SewerCAD, NYSDOT CEES, Site Manager, MS Office User Specialist in Word, Excel, and PowerPoint

PROFESSIONAL MEMBERSHIP

American Society of Civil Engineers (ASCE)
American Concrete Institute (ACI)
Institute of Transportation Engineers
New York Water Environmental Association
Tau Alpha Pi- Engineering Honor Society
Mu Alpha Theta – Mathematics Honor Society

BACKGROUND

Ms. Ryduchowski is a professional engineer with over 25 years of experience in engineering and construction industries. Her experience includes major reconstruction projects, biennial bridge inspections and structural engineering for NYCDOT, NYCDEP, NYSDOT, MTA-TBTA, NYSTA, PANYNJ and NJTA. She has spent over 10 years at NYCDOT's Division of Bridges where she was EIC at the Specifications Section and oversaw complex and important engineering projects. Ms. Ryduchowski is also an Adjunct Professor at CUNY lecturing on Design of Reinforced Concrete Structures.

PROFESSIONAL REGISTRATION

Professional Engineer: State of New York, No. [redacted]
Professional Engineer: State of New Jersey, No. [redacted]

PROFESSIONAL EXPERIENCE

Engineer-In-Charge, NYCDOT, Division of Bridges Specifications Section, New York, NY
Served as a consultant on complex and important engineering project issues to the Division of Bridges. Oversaw preparation and review of bid proposals or reports of complex nature, administered the day-to-day running of the Specifications Section including planning, organizing, coordinating and supervising work of civil engineers. Interacted with Project Groups, Engineering Consultants, NYCDOT ACCO and Legal Division and NYSDOT. Updated NYCDOT construction contract documents including special provisions, boilerplate language, according to revisions of NYS standard specifications. Reviewed contract proposal books, design drawings, addenda and coordinated contract-bidding processes for the Division of Bridges. Incorporated information and data on new materials, equipment, construction practices and techniques into new special specifications. For an abbreviated list of specific projects, see below.

Principal Engineer, DKR Engineering and Testing Services, Lyndhurst, NJ
Projects included structural analysis and evaluation for residential and commercial projects in NJ and NY for various Construction Management Companies and NYC agencies. Performed structural condition inspections, prepared reports. Supervised non-destructive testing of structural elements, performed construction/final inspections, prepared inspection punch lists and reports.

Principal Structural Engineer, Wagh Engineers, Various Projects, NY, NY
Directed and supervised a team of five engineers in bridge structural design and inspection.

Senior Structural Engineer/Project Engineer, NYCDOT, Reconstruction of the Grand Concourse over Metro-North and 172nd Street, Manhattan, NY
Performed structural analysis, designed steel and reinforced concrete bridge structures, reviewed engineering drawings and calculations for Reconstruction of the Grand Concourse over Metro-North and 172nd Street.

Team Leader, Various Biennial Inspections, New York & Tarrytown, NY
Directed and supervised up to three assistant team leaders on the following Biennial Inspection projects:

- NYCDOT, Washington Bridge Manhattan Approaches Biennial Inspection, Manhattan, NY
- NYSDOT, 11th Avenue over LIRR In-Depth Bridge Inspection, Manhattan, NY
- NYSDOT Region 11, Brooklyn Bridge Biennial Inspection, Brooklyn, NY

- NYSTA, Tappan Zee Bridge Special Condition Inspection, Tarrytown, NY
- MTA-TBTA, Henry Hudson Bridge Biennial Inspection, Bronx, NY
- NYSDOT Reg. 11, In-Depth Inspection of the Grand Central Parkway Service Road Bridges, Queens, NY
- NYSDOT Reg. 11, Williamsburg Bridge Biennial Inspection, Brooklyn, NY

Staff Structural Engineer, Port Authority of New York and New Jersey
Performed engineering audit reviews to ensure that structural maintenance programs were in-place and utilized to correct all deficiencies and that structural repairs were correctly designed. Performed review of the major contracts, drawings and specifications for design omissions and compliance with the relevant codes and conducted final inspections during construction. Projects included: Port Authority Bus Terminal, George Washington, Goethals, Bayonne, and Outerbridge; Crossing Bridge, Newark and LaGuardia Airports, JFK Airport (Federal Circle, Taxiway, Highway and Terminals); and Holland and Lincoln Tunnels, PATH & Amtrak Railroad Complex.

EDUCATION

PhD, Civil Engineering
Warsaw Technical University, Poland

MS, Civil Engineering
Warsaw Technical University, Poland

CERTIFICATION

PANYNJ, Construction Audit and Project Management Training
NYSDOT and NJDOT, Bridge Inspection and Rating Training Courses
ASCE/FEMA, Urban Search and Rescue Structural Specialist Training

RELEVANT PROJECT EXPERIENCE

NYCDOT EIC for contracts which were reviewed and procured to consultants:

- HBK1023/HBK1089, Belt Parkway over Mill Basin/Bay Ridge Avenue
- HBQ1112, Fresh Pond and Metropolitan Avenue over LIRR
- HBX1086, Westchester Avenue over Hutchinson River Parkway
- HBX1131, Bruckner Expwy. over Westchester Creek (Unionport Bridge)
- HBK1206, Hill Drive Bridge over Prospect Park Lake
- HBM551 East 34th Street / Park Avenue Tunnel
- HBX1164, City Island Bridge over Eastchester Bay
- BRX287S, Macombs Dam Bridge Seismic Analysis
- HBCR01B, Component Rehabilitation of 10 Bridges
- HBQ1203, Roosevelt Island Bridge over Van Wyck Expressway
- HBCR01C, Component Rehabilitation of 9 Bridges
- HBM1027, Harlem River Drive at 127th Street (Design-Build)
- HBX1152, Bryant Avenue Bridge over Amtrak and CSX
- HBM1138E, Battery Park Underpass and West Street Underpass
- HBM7240, Trans Manhattan Expressway Connector
- HBCMVBE, Emergency Contract – 15 Bridges – Movable Bridges
- HBCY099, When and Where Structural Repairs
- ERB-PM14, Preventive Maintenance for Four East River Bridges
- HBR1217, St. George Ferry Terminal Ramps (Design-Build)
- HBM1120, 11th Ave. Viaduct from W. 30th to W. 33rd St. over LIRR Yard
- HBK668R, 8th Street Access Ramp Bridge over Belt Parkway
- BRC156R, Reconstruction of Manhattan Bridge, Cable Rewrapping etc.
- BRC270C, Brooklyn Bridge over I-278 (BQE) East River Contract #6

Résumés

Toll International LLC

ERIKA BROWN

Experience Highlights
Extensive high-level experience in professional engineering project control specialist for owners of large scale capital construction programs.

Relevant Experience
6 Years

Education
M.S., Engineering Management, New Jersey Institute of Technology, 2010

B.S., Civil Engineering, INTEC, Santo Domingo, Dominican Republic, 2004

Software Skills
Oracle Primavera P6 8.3, MS Office (Word, Excel, PowerPoint, Access and Visio), AutoCAD, STAAD Pro Seismic Analysis and Oracle Primavera Contract Manager 13.1

Certifications
- 30-hour OSHA TOXCHEM.

Ms. Brown is scheduler and control specialist with over six (6) years of relevant experience providing project controls, scheduling and budget management services for public owners with large scale capital construction programs. She holds a Bachelor of Science in Civil Engineering from INTEC and a Master of Science in Engineering Management from New Jersey Institute of Technology. In addition to her experience and education as a project control specialist and environmental engineer, Ms. Brown is skilled with engineering design and construction inspections.

Erika is a gifted technical expert in the development of baseline schedules, work breakdown structures, activity networks and project control performance and variance reports. Additionally, she is highly skilled with construction and maintenance of civil projects, supervision of road construction, and wastewater treatment plans. Ms. Brown has developed an excellent reputation when collaborating with client organizations and third party consultants and has gained experience from both engineers and architects in assimilating their project control, scheduling and budget management concerns. Ms. Brown possesses outstanding English writing abilities and is skilled in developing and delivering presentations along with the required data analysis, preparation of tables and graphic materials that will support the finalized documents.

Ms. Brown professional engineering project control experience includes assisting the New York City Department of Environmental Protection (NYCDEP)in creating and managing their critical path method baselines, updating schedules and monitoring their contractors schedule submittals while adhering to industry best practices including the development and maintenance of the electronic version of the project schedule files, documents and spreadsheets. Additionally, she assisted the NYCDEP by auditing their project control processes and developed a gap analysis of current project control practices against the developed standards and guidelines.

Ms. Brown project control experience and skills includes preparing and delivering presentations. She possesses outstanding verbal and written communication and has received high level training in project control, project scheduling, construction management and engineering modeling. She has conducted technical documentation meetings and discussed issues and performance with clients at all levels of management particularly for owners of large scale and complex capital construction programs from regional government agencies. In addition to her impeccable command of English, Ms. Brown is fluent in several foreign languages including written and verbal communications in both Spanish and Italian.

SIMILAR PROJECT EXPERIENCE

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION (NYCDEP)
Project Control Specialist
May2010 – Present

- Prepare work breakdown structures (WBS) and deliver variance and summary level reports.
- Review contractor schedules, man-power loading and change orders.
- Run milestone reports for management.
- Analyze critical path and explore mitigation opportunities for potential delays.
- Maintains and monitors project schedules with the use of Primavera P6. Manage Documents such as: RFI's, Meeting Minutes, Punch Lists, Transmittal Log, Submittal Log, Change Order Log and Issues Log.
- Generates and maintains schedule records documentation for change orders negotiations and prepares pricing for comparison table utilizing various sources i.e., vendor contacts, supplier quotes, R.S. means, historical data, among others.
- Serves as a liaison between client and Contractor and organized daily construction activities in the schedule.
- Conducted inspection of completed activities to obtain actual dates from the field along with the estimate of remaining durations to provide to client agency and CG to evaluate the facility for a post-occupancy and acceptance of the site.
- Reviews and verify time sheets, contractor partial payments and project submittals on a daily basis.
- Assist in the negotiation of proposed schedule logic changes with the Contractor.
- Tracks the project schedule and assists with compiling recovery schedules and budgets.
- Attends weekly meetings to discuss schedules, budgets and project milestones.
- Ensures schedule submittals are prepared in accordance with contract specification and that approved materials and construction methods meets standards, codes and adequate safety standards.
- Ensures all required permits are current and available on site prior to initiation of the work.

LWM ENGINEERING GROUP
NEW YORK, NY
Schedule Engineer
Feb 2007 – May 2010

- Prepared schedules for underpinning reinforce concrete and masonry construction contracts. Participated on the correction and supervising delays involving structural distress of these structures.
- Obtained actual completion dates and remaining durations during pile driving and other deep foundation installation.
- Reviewed submittal log for lists of shop drawings and design drawings and checked drawings for potential defects and recommended measures with the use of AutoCAD.

Raif S. Ahmad, PMP, PSP

Civil Engineer – Certified Project Manager

Member of ASCE, PMI and AACE International

Toll International LLC
(212) 920-4115

Key Skills

- . 20 years of experience in Project Management and Project Control since 1993.
- Field technical experience with most kinds of construction work such as Schools, Commercials, Residential, Towers, Highways, Airports, Railroads and Infrastructure Works
- .Strong skills of using Primavera Project Planner P3, P6, SureTrak, MS Project, Digger and SAPro (by Ron Winter Consul.) as a tools for scheduling, and Expedition or Contract Manager CM13 by Oracle.
- Capable in using the Microsoft Office (Word, Excel, PowerPoint, Outlook and MS Visio).
- Good experience in the quantity surveying and estimating using screen take-off and Excel sheets.
- Capable of using Earned Value Management calculating all Variances and Indices.
- Has good knowledge doing Risk Register and Risk Analysis with few experience of Pertmaster.
- Fluent in both Arabic and English Languages.

Work Experience

HNTB/ NJ Transit — **June 2008 to Present**

Assistant Program Manager / Program Control

- **HNTB/ NJ Transit, Super Storm Sandy Recovery Program**
  $1.7 B program of several damaged and resiliency projects that were created by Superstrorm Sandy including building new stations, rails and signal, commuter centers and substations. Leading a group of schedulers to develop and update Resource loaded schedule using Primavera P6 with issuing monthly variance report and executive summary. The duty including
  - Collecting information by communicating with several PMs and agencies that have contribution to the schedule.
  - Attending meetings with the clients.
  - Generating reports and submittals to the federal and state agencies such as USDOT and NJDOT.
  - Assisting of developing project control system and link it to Primavera data base.

Senior Scheduling Engineer / Project Officer II;

- **NYC School Construction Authority/ Scheduling Unit; Long Island City, NYC:**
  Review of Contractors' Baseline schedules and Schedule updates for several school projects in Bronx/Queens, NYC such as Metropolitan and Mott Haven new schools. The duty also includes review Impacted Schedules, Recovery Schedules and Time Impact Analysis (TIA), using Primavera P3, P6, SureTrak, MS Project and Digger. Duties include site visits, meeting attendance, correspondences and recommendation to project officers and senior project officer for any schedule issue. Also involved in review and modify the contract's part that is related to the scheduling and time management. The duty was also including cost estimate for any acceleration schedule and risk analysis (using PertMaster) to provide an objective view of required contingency to account for cost and schedule uncertainty.

PBS&J Company (ATKINS) , Miami, FL, USA — **Sep 2006 to June 2008**

Scheduler / Estimator II,

- **Scheduling Services, Miami Dade County Public Schools (MDCPS), Miami, Florida**
  Responsible for the review and analysis of capital project baseline schedules and schedule updates for various schools. The nature of projects could be for new school buildings such as three prototype middle schools PP1, MM1 and UU1, The effort included the review of the

original project baseline schedule and its compliance with contract documents and scheduling logic, review and analysis of consequent schedule updates and monitoring project progress by site physical observation and project documents reviewing. Also assisting in the review of claims for time extensions and making recommendations to the clients.

- **.Program Management and Control System, School Board of Broward County (SBBC), Fort Lauderdale, Florida**
  The duties included maintenance of the project schedule update system and the development of the project schedule update audit process.
- **Production Scheduling, Florida Department of Transportation (FDOT), District Four, Fort Lauderdale, Florida:**
  Operational support to the periodic update, reporting and maintenance/audit of the District's project schedules. In additional implementation of various retrofits to the project scheduling system, developing the methodology, documenting the implementation process. Duties also were attending meeting with project managers to discuss any delay and how to recover it. The duty also included cost estimate and load it to the schedule.
- **Expansion of Concourse C, Palm Beach International Airport (PBIA), Palm Beach, Florida**
  Monitoring project progress through construction field verification, analyzing project progress through review of schedule submittals and providing the owner with his recommendation regarding schedule accuracy and compliance with contractual requirements. Duties were including site visits and meeting attending to discuss the schedule issue and the time extension request by the GC

Qatar Building Engineering Company, Doha, Qatar	**Mar 1999 to Apr 2006**

Construction Manager / Project Planner:

- **Al Mergab Twin Tower, Doha, Qatar, $40 million**
  Construction of 2 towers of 26 stories, Post-Tensioning and hollow core slabs system, with all infrastructure work and finishing work, the responsibility was including infrastructure, Landscaping and road and walkways works. Managing team of engineers, foremen, skilled and unskilled labour to execute the work in the field and also coordinating with the client. A/E and the agencies.
- **Qatar Petroleum Central Offices Project, Mseaeed, Qatar, $38 million**
  Construction of 4 Towers, 60-meter height, Tower Cranes erection, Piles work, Earth works, Scaffolding design and erection, Post-tensioning work, Curtain wall, External Work, Electrical Substation and Pumps roams, Also was involved in coordinating with Mseaeed's municipality office.

Project Manager

- ***Dukhan Housing Project phase III, Dukhan, Qatar, $3.5 million***
  Construction of 15 Bachelor Senior Staff Bungalows with their services and Infrastructure, Site Management, Shop Drawing Preparing. Project scheduling and estimating.
- **College of Technology, Doha, Qatar, $18.1 million**
  Infrastructure Execution, Road works, Car parking, Earthwork of 300,000 m2 Levelling. Project scheduling.
- **Dukhan Housing Project phase II, Dukhan, Qatar, $7.5 million**
  Construction of 20 Bachelor and 14 married Senior Staff Bungalows with their services and Infrastructure, Site Management, Shop Drawing Preparing. Project scheduling and estimating.
- **Qatar International School Doha, Qatar, $5.8 million**
  Construction of 11 Schools and Multipurpose Buildings with their services and Infrastructure, Site Management, project scheduling by Primavera, Shop and As-built Drawing Preparing, Subcontractor Agreement, Negotiation with the Consultant and Client for a change orders.

SETH JACOBSON, PSP

Experience Highlights:
Extensive experience in CPM Scheduling of infrastructure and building projects.

High level of expertise in Project Management and Project Controls

Total Experience:
18 Years

Education:
Certificate, Construction Total Quality Management, Bovis Lend Lease Leadership Institute

B.S. Industrial Engineering, Shelton State, Tuscaloosa, AL

Certifications
Certified as a Planning and Scheduling Professional (PSP) by the AACEI

Experience as Trainer for Scheduling with P3 and P6
AutoCAD

Membership & Affiliation:
Active Member of PMI and AACEI

Skills:
Primavera P3 and Primavera P6
Primavera Contract Manager/Expedition
Claim Digger and SAPro
AutoCAD
MS Office Suite (Project, Access, Visio, Word, Excel and PowerPoint)

Mr. Jacobson is a self-starter Senior Engineering Scheduler and Project Control Specialist with over 18 years of experience providing project controls services for large scale capital engineering and construction projects. He holds a certificate in Construction Total Quality Management from Bovis Lend Lease Leadership and a degree in Industrial Engineering Institute from Shelton State University. In addition to his professional and academic background, Mr. Jacobson possesses a the highly regarded Project Scheduling Professional (PSP) certification by the Association for the Advancement of Cost Engineering International (AACEI) and is heavily involved with training and membership participation with the Project Management Institute (PMI).

Seth is an expert in the utilization of Oracle Primavera P6, P3, MS Project, AutoCAD and MS Office applications including experience as a trainer and college instructor. His project control experience includes planning, tracking, analyzing and controlling program CPM schedules, preparing all types of cost and schedule reports and monthly, quarterly and ad-hoc cost/schedule reports, performance measurement on schedule variance, cost variance based on critical path analysis and schedule risk analysis.

Mr. Jacobson possesses outstanding written and oral communication skills and is able to interact with professionals at all levels. He serves as adjunct faculty for Construction Project Scheduling with Primavera P6 8.3 and Construction Project Management courses at Bergen Community College.

In addition to his client office experience, Mr. Jacobson has significant field experience having served as Senior Project Control Specialist, Senior Scheduler, Construction Claims Analyst, Project Manager and Scheduling/Construction Management trainer on construction projects.

Seth is experienced in setting priorities and meeting critical time deadlines including managing monthly program schedules, status and ad-hoc reports for program schedule controls and enterprise resource management. Additionally, he is experienced in the administration, configuration, reporting and implementation of Project Scheduling Software, preparation, documentation and enhancement of Project Controls and Scheduling Guidelines as well as the development of cost engineering reporting platforms.

SIMILAR PROJECT EXPERIENCE

Proactive Controls Group
Hackensack, NJ
Senior Project Control Specialist
December 2013-Present

- Evaluate construction schedules for accuracy, reasonableness, and constructability.
- Prepare and update construction/program schedules with input from all stakeholders.
- Serve as a neutral third party on construction projects with problem subcontractors to assist with risk and delay mitigation.
- Prepare and evaluate delay and disruption claims.
- Assist with development of company standards and best practices with regard to project controls.
- Prepare performance measurement reports on schedule variance, cost variance based on critical path analysis and schedule risk analysis

Lovett Silverman Construction Consultants
Mahwah, NJ
Senior Project Controls Analyst
February 2012-November 2013

- Researched and analyzed delay/disruption/loss of productivity reports for construction claims.
- Prepared expert reports regarding construction scheduling issues.
- Prepared, analyzed and updated CPM schedule reports for all sectors of construction including mass transit, transportation, infrastructure, pharmaceutical, commercial, residential, educational, hospitality and stadiums.
- Provide risk assessment reports for construction projects.

Capital Project Management Inc.
Parsippany, NJ
Senior Scheduler / Claims Analyst
December 2008-February 2012

- Researched and analyzed delay/disruption/loss of productivity construction claims.
- Prepared expert reports regarding construction scheduling issues.
- Prepared, analyzed and updated CPM schedules for all sectors of construction including mass transit, transportation, infrastructure, pharmaceutical, commercial, residential, educational, hospitality, sports stadiums, etc.
- Provide risk assessment for construction projects.

DES Consultants Inc.
Elmhurst, NY
Senior Scheduler
May 2005-December 2008

- Provided consulting services to contractors for scheduling related to NYC Department of Buildings, NYC Department of Environmental Protection and Environmental Control Board.

Plaza Construction Corp.
New York, NY
Project Manager
January 2007-June 2008

- Responsibilities include managing the completion of 208 luxury condominium units, assist with design and change order management, tracking completion milestones and directing labor and materials appropriately to meet project goals, interface with local Department of Buildings for inspections and certificate of occupancy acquisition.
- Write scopes of work and compile bid packages for Architectural trades.

TOLL INTERNATIONAL LLC

JOHN PIODOS *Chief Mechanical Inspector*

Education

• Bachelor of Science in Mechanical Engineering (B.S.M.E.), University of Mindanao, Davao City, Philippines

• Associate in Electrical Engineering, Cebu Institute of Technology, Cebu City, Philippines

Licenses and Certifications

• OSHA Construction Safety & Health, Trench Safety Awareness, Thermal Plant Maintenance Training.

• Scheduler (Equipment Control Engineering Training), Confined Space Entry Program, Industrial Fire Training, Aerial Lift Awareness Training, Hazard Communication Training in compliance with OSHA 29.

• Electrical Safety Training with OSHA 29 CFR & 1926 K. Lock-Out/Tag-out Training.

Industry Skills

Mechanical Inspections
WPCP Facilities
Technical Reports
Project Management
Team Supervision

Computer Skills

Primavera Contract Manager
Microsoft Suite

Summary of Experience

Mr. Piodos has over thirty years of industr y experience as a Mechanical Inspector and construction m anagement specialist. He has served as a Chief Mechanical Inspector for a variety of new construc tion and upgrade NYC DEP projects. John is an acco mplished multi faceted Mechanical Engineering Professional with proven ability to plan, adm inister, execute successful mechanical engineering maintenance programs.

• Proven su ccess in con struction management thru supervision and inspection in power plants, building facilities, oil r efineries, gas plants, petroleum plant, waste/water treatment facilities, desalin ation & power plants , steel and piping fabrication & inspection.

• Demonstrated skill in supervision thru inspection of Heat ing Ventilating Air-Conditioning System (HVAC).

• Able to establish preventive maintenance programs, field service engineering on rotating and stationary equi pment, Ability to work we ll independently to conduct mechanical/electrical inspections, successful in generating t echnical drawing & address documentation issues. Demonstrat ed and insured w ell that compliance with applicable codes, standards, speci fications, industrial sa fety, schedules and planning coordination must be observed.

• Committed to m aintaining quality and e fficiency in revie wing and approval of As-Built and Red Line drawings. Able to oversee large projec ts and follow through to completion.

• Committed to excellent service and customer satisfaction with ability to balance and generate proper start-up and comm issioning of the project. Successful in recognizing, analyzing, and solving indorsed submittals and if deficiencies occurred an RFI (request for information), or RFC (request for clarification) has to be issued. Skilled in h andling the constr uction and the s hop drawing prior to installation. Ability to work creatively and effectively with staff and managers and committed to professionalism & development with experience in clear & effective communication.

• Effective trouble shooter when it com es to preventive m aintenance, inspection, installation & operation of pumps (cen trifugal, reciprocating, & rotary), compressors (reciprocating, centrifugal), boilers, generators, heat exchangers, chillers, cooling tower, steam turbine, all types of valves, steel & piping fabrication and installation: like stainless steel, carbon steel, ductile and iron, aluminum, copper tubing, CPVC/ PVC pipe & Subm ersible deep well pum ps. Proven success in construction managem ent with inspection on sim ultaneous projects. Dependable and proven record of maintaining pressure, hydro, DPT (dye penne rant test) for piping leakage te st. Conduct shaft alignm ent thru laser procedure or thru reverse shaft alignment by using two magnetic dial gages.

- **Chief Mechanical Inspector / Construction Management Lead Mechanical Inspector NC-WPCP DEP Water Pollution Control Plant in Newtown-Creek, Brooklyn, NY (1.4 Billion Dollar Project) - (11/2008 to Present)**
  - Performed mechanical arena dealing w/ construction management & material issues.
  - Coordinates engineering construction problems in the field.
  - Inspect construction work for compliance with drawings, specifications, & codes.
  - Participates in the facility performance and acceptance testing program.
  - Imposed industrial safety to be followed by any contractors @ the site project.
  - Strict compliance of applicable codes, standards, specifications to every contractor @ site.
  - Performed Testing & commissioning of the Sewage Treatment Plant.
  - Conduct Hydro/pressure test & DPT & magnetic particle testing on piping.
  - Inspect centrifugal pump shaft alignment, air compressor field test performance.
  - Power testing ratings on generators & motors & overload and high temperature test.
  - Reviewed Daily Reports, request for information and request for clarification.
  - Checked and approved FAC submittals.
  - Provide technical assurance support for rotating equipment in the plant.
  - Insured reliability & integrity of rotating equipment thru preventive maintenance schedule.
  - Checked the Daily Reports of the Mechanical Inspectors & Reviewed and Approved As-built drawings.

Construction Engineer - CHU & GASSMAN Consulting Engineering P.C.
July to October-30, 2008 - 559 Union Avenue, Middlesex, NJ 08846

- Prepared documentation, drawings, specifications, codes for NYCHA project released by NYPA.
- Monitored, supervised, and conducted plumbing & mechanical inspection on steam boilers
- Installed in Rutgers Houses under NYCHA (New York City Housing Authority).
- Monitored the implementation of the Building Steam System Upgrade for Rutgers Houses in NY.
- Monitored the installation of the Steam Water & conducted inspection on its mechanical system.
- Performed thorough inspection on Fan Schedule, Steam Boiler Schedule, Boiler Feed Water Systems Schedule, Vacuum Pump Schedule and Sump Pump Schedule.
- Conducted inspection on the installation of pumps and air compressors and its alignment.
- Performed inspection on energy power system (generators), fuel oil piping systems & fuel storage.

Construction Management/Project Superintendent/Sr. Mechanical Inspector Jan/2/06-June 30, 2008
AECOM, 30TH Floor, 49th Street 3rd Avenue, Manhattan, NY; New York City Housing Authority- All Borough of NY under NYPA Project

- Plan, coordinate and supervise all temporary and permanent works design on mechanical and electrical services for the instantaneous hot water steam heater.
- Ensured compliance with relevant engineering requirements and technical commercial contractual obligations.
- Coordinate the QA/QC for M&E installation and the commissioning works.
- Supervised and coordinated the installation, testing & commissioning of the mechanical system such as piping, indoor/outdoor water distribution plumbing, cold/hot water piping, steam piping and hot water & condensate return piping.

THE PORT AUTHORITY OF NY & NJ

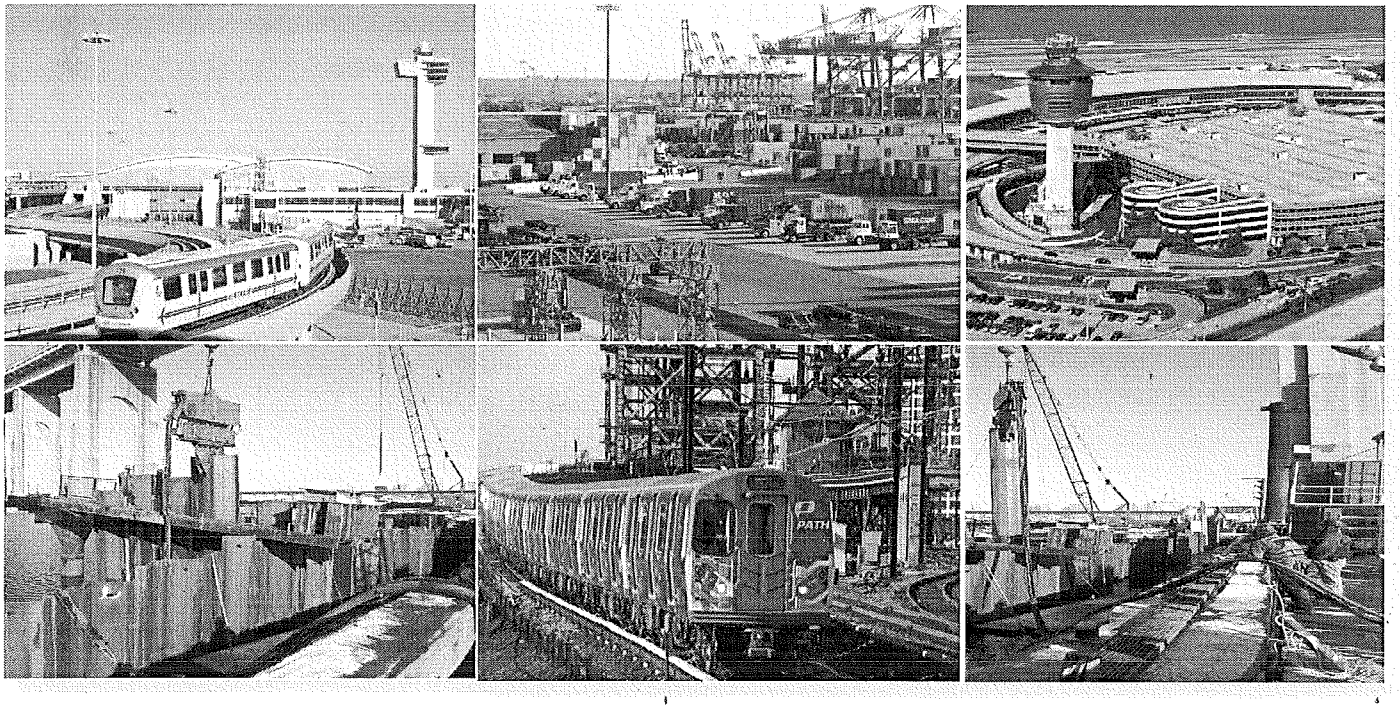
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section E2

Names, Titles, and Hourly Rates



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTHOLOMEW CONSULTING ENGINEERS

KSE KS Engineers, P.C.

E2 | Hourly Rates

Please find the hourly rates for the D&B/KSE Joint Venture Team following this page.

JOINT VENTURE

STAFF RATES MATRIX

Name	Hourly Rate	Overtime Code
Project Manager		
D&B/KSE Joint Venture		
K. Shahid, PE	$75.00	A
D. Alaimo, PE	$75.00	A
J. Schreck, PE	$75.00	A
R. Raab, PE, BCEE, CCM	$75.00	A
Construction Inspector		
D&B/KSE Joint Venture		
Kwesi Amegah	$45.00	C
Eddie Diangco	$45.00	C
Fred Koomson	$44.00	C
Zory Deresh	$50.00	C
George Atsalis	$48.00	C
Rochelle Lancey	$55.00	C
Sheldon Williams	$48.00	C
Syed Ali	$45.00	C
Ahmed Zubair	$55.00	C
Albert Baird	$55.00	C
Robert Banbury	$42.00	C
Paris Zhang	$55.00	C
Christopher Lehanka	$56.00	C
Lisa Lautato	$40.00	C
Stephen Laun	$35.00	C
James Harley	$42.00	C
Janarthan Kirupananthan	$38.00	C
Milford Alexander	$43.00	C
Christopher Francis	$43.00	C
Frederick Hoeffner	$44.00	C
Abdelhamed Ali	$45.00	C
Bahman Salar	$48.00	C
Neil Sen	$64.00	B
Avirup Datta	$45.00	C
Johnnie Young	$48.00	C
Dharampaul Dukhi	$42.00	C
Jean Dupre	$55.00	C
Eddie Velasco	$48.00	C
Haider		
Fitzroy Stewart	$51.00	C
Muhammad Tahir	$54.00	C
Pierre Jeanty	$37.50	C
Emad Qadi	$57.15	C
James Yhap	$47.00	C
JMT		
George White	$55.65	C
Gunvant Mistry	$45.85	C
Martin Lund	$49.20	C
EnTech		
Aderemi Oyedijo	$45.00	C
Dupree Bolling	$55.00	C
Joseph Fenton	$48.00	C
Krzysztof Wiater	$48.00	C
Josh Magnas	$58.00	C
Construction Manager / Resident Engineer		
D&B/KSE Joint Venture		
Gunjan Khandwala	$58.00	B
Christopher Koegel	$62.00	B

JOINT VENTURE

STAFF RATES MATRIX

Name	Hourly Rate	Overtime Code
Carl Ortmann	$68.00	B
Attef Farag	$66.00	B
Ray Chowleka	$66.00	B
Scott Plant	$66.00	B
Eugene Marciano	$69.00	B
Don Warnett	$68.00	B
Mahmoud Shahangian	$68.00	B
Rachot Senisant	$55.00	B
Shailesh Modi	$55.00	B
Lawrence O'Rourke	$54.00	B
Jamil Miranda	$70.00	B
Johnson Udoye	$66.00	B
Paul Antonio	$71.00	B
Stephen Dudar	$75.00	A
Charles Wachsmuth	$69.00	A
K. Gopalakrishnan	$75.00	A
Michael Wizior	$51.00	B
Michael Sciarrillo	$40.00	B
JMT		
Obioma Oti	$62.05	B
EnTech		
Anthony Sacchetti	$45.00	B
Shahab Raza	$45.00	B
General Engineering Support / Constrctibility Review		
D&B/KSE Joint Venture		
Rolston Saul	$55.00	B
Harry Shah	$64.00	B
George Broberg	$75.00	A
Frank Frega	$75.00	A
Harry Baker	$72.00	A
Hsu-Hues (Leo) Sun	$50.00	B
Ronald Delo	$73.00	A
Michael Rodriguez	$65.00	A
Martha Victoria	$31.00	B
Dennis Koehler	$75.00	A
Garrett Byrnes	$69.00	A
Khosrow Namdar	$63.00	B
Michael Neuberger	$65.00	A
Michael Carroll	$44.00	B
Robert DeGiorgio	$69.00	A
Brian Veith	$75.00	A
Thomas Fox	$69.00	A
Matthew DeVinney	$56.00	B
Haider		
Antenor Brutus	$67.00	A
JMT		
Ivan Ramirez	$51.50	A
EnTech		
Donna Ryduchowski	$55.00	A
Grace Gajewski	$55.00	A
Susan Bayat	$75.00	A
Electrical Construction Inspector		
D&B/KSE Joint Venture		
Edward McManus	$38.00	C
Reynaldo Libuano, Jr.	$58.00	C
Steve Mar	$45.00	C
Vitaliy Bykov	$45.00	C

JOINT VENTURE

STAFF RATES MATRIX

Name	Hourly Rate	Overtime Code
Amit Roy	$36.00	C
Petronilo Ibadlit	$57.00	B
Thomas Vostinar	$69.00	A
Joseph Garibaldi	$69.00	C
Joseph Marone	$53.00	C
Mechanical Construction Inspector		
D&B/KSE Joint Venture		
George Kay	$55.00	C
Kevin McLaughlin	$45.00	C
Michael Scolpino	$52.00	C
Roland Fesel	$60.00	A
Edward Reilly	$62.00	A
Haider		
John Piodos	$40.00	C
Louis Vitone	$46.80	C
Scheduler		
D&B/KSE Joint Venture		
Devang Parekh	$55.00	B
Nure Aiza	$75.00	A
Khalil Dalco	$60.00	A
Gabriel Valentin	$69.00	A
Toll		
Erika Brown	$69.00	A
Seth Jacobson	$69.00	A
Cost Estimators		
D&B/KSE Joint Venture		
Carlos Sanchez	$69.00	A
Joseph Baader	$69.00	A
Toll		
Raif Ahmad		B
Contract Administrator / Office Engineer / Document Control Specialist		
D&B/KSE Joint Venture		
Christine Stanton	$32.00	C
Lisa Canton	$30.00	C
Thomas Schaefer, E.I.T	$34.00	B
Michael Kokoszka, E.I.T.	$35.00	B
Alexis Schlessingerman, E.I.T.	$42.00	B
Construction Site Safety Engineer		
D&B/KSE Joint Venture		
L. McKenna, PE	$60.00	B
H. Antonopoulos	$45.00	B
David Zaremsky	$65.00	B
Alan Harvey	$40.00	B
Frederick Hausmann	$50.00	B

Note:

1) **Principal's hourly rate shown is billable hourly rate. No Multiplier added.**

2) **Overtime Codes:**
   A - No Overtime paid
   B - Overtime paid at straight time rate for hours worked over 40 hours per
   C - Overtime paid at 1.5 time normal rate for hours worked over 40 hours per

3) **Night Time Differential**
   It is the policy of KS Engineers, PC to pay it's employees a 10% night

THE PORT AUTHORITY OF NY & NJ

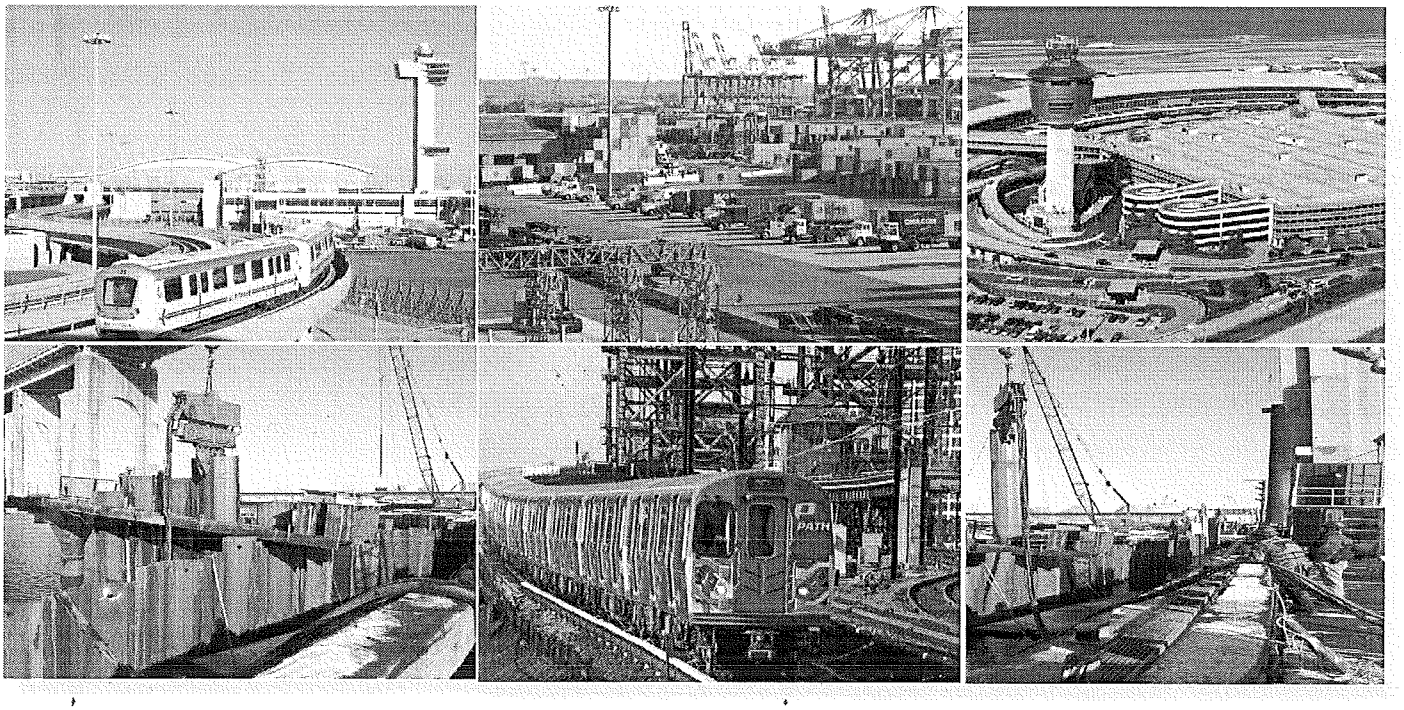
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section F

Firm's Qualifications and Similar Experience in the Last 3 Years



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

F | Firm's Qualifications and Similar Experience in the Last 3 Years

The Joint Venture Team of D&B Engineers and Architects, P.C. known as Dvirka and Bartilucci Consulting Engineers and KS Engineers, P.C. (**D&B/KSE JV Team**), in association with its highly qualified subconsultants, is pleased to submit our proposal for the Construction Management and Inspection Services as requested on a "call-in" basis during 2015 through 2018. Our locally-based firms have over four decades of construction management and inspection experience, and this project provides an excellent opportunity to provide our combined local experience, resources and expertise to the Port Authority of NY & NJ (PANYNJ).

The **D&B/KSE JV** Team has a large pool of staff and unmatched local resources to support the effort required for the subject contract. We have the ability to respond rapidly to any and all assignments. The D&B/KSE JV Team has the Organizational Capabilities to accomplish the goals for this project. The proof is that we are successfully doing it now on several on-call contracts. D&B/KSE JV will lead the effort to provide this Organizational Capability and be assisted by the strong leadership and resources of our subconsultants. We have the ability to respond rapidly to any task assignment, and the ability to staff multiple projects simultaneously. Our planned organization is designed to complete and deliver projects in a safe, efficient, and timely manner. We anticipate both night-time and weekend work, and 24-hour coverage may be necessary. We have the resources and organizational capacity to provide the necessary qualified personnel to properly and timely perform the work for this contract. We understand that if 24-hour coverage is necessary, we will provide the necessary and qualified staff on all shifts.

TEAM OVERVIEW

The **D&B/KSE JV** Team includes the following firms:

D&B Engineers and Architects, P.C. - Joint Venture Partner - Project Management, Construction Management, Inspection and Procurement Services.

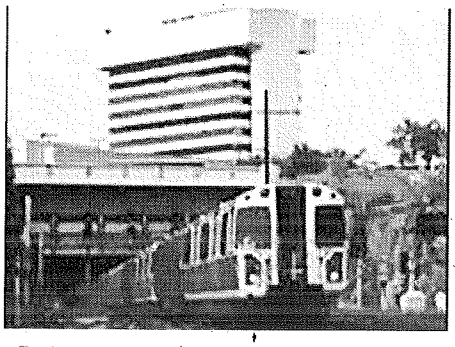
KS Engineers, P.C. - Joint Venture Partner - Project Management, Construction Management, Inspection and Procurement Services.

Subconsultants:

- **Haider Engineering, P.C.** - Construction Management/Inspection
- **Johnson, Mirmiran & Thompson, Inc.** - Construction Management/Inspection
- **EnTech Engineering, P.C.** - Construction Management/Inspection
- **Toll International LLC** (MBE/DBE) - Project Controls

This Team has worked together on many projects and has an excellent working rapport – we will promptly mobilize and commence work when needed. As mentioned, we have recently completed several Construction Management and Inspection Services projects, as follow, that exemplify our prompt and efficient response to NY agencies in need. **Presented in the following pages are some of our Team's relevant experience.** Thank you for the opportunity!

"CALL-IN" BASIS DURING 2013 - 2016", CONSTRUCTION/ELECTRICAL INSPECTION SERVICES, PATH SYSTEM, NEWARK, NJ TO NEW YORK, NY
PORT AUTHORITY OF NEW YORK AND NEW JERSEY



Dates of Service: 2013-2016

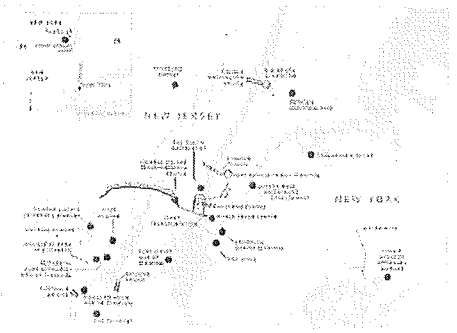
Contract Amount: $128,000 (YTD)

On Schedule/Within Budget: Yes

Owner and Contact:
PANYNJ
2 Montgomery Street
Jersey City, NJ 07302
Paul Salvatore, PE
201.595.4892

Description of Services:
KS Engineers, P.C. (KSE) has been retained by the Port Authority of New York & New Jersey (PANYNJ) to provide Construction/Electrical Inspection Services for the PATH System Upgrades and Improvements, as part of an ongoing Construction Management Services contract. The following is a brief description of tasks completed by Mukheet Ahmed, Construction/Electrical Inspector, for KSE under this assignment:
- Overseeing work assignments that range from the rehabilitation of electrical power and lighting equipment to system upgrades for alarm and communication equipment and site work at stations, rail yards, and tunnels.
- Cooridination of work, supervision of the contractors for infrastructure improvements, and homeland security projects throughout the Port Authority Trans-Hudson (PATH) system. This coordination effort includes working with train schedules to assure minimized impact to revenues and the traveling public. This entails conducting work within a tight and specific time frame and ensuring that service returns on schedule.
- Inspection services includes the work undertaken that involves enhancing electronic communication systems within the PATH system and the installation of an intrusion detection system coupled with a Closed Circuit TV (CCTV) for various sensitive areas.

"CALL-IN" BASIS CONSTRUCTION MANAGEMENT SERVICES – 2010, 2011, AND 2012
PORT AUTHORITY OF NEW YORK AND NEW JERSEY



Dates of Service: 2010-2012

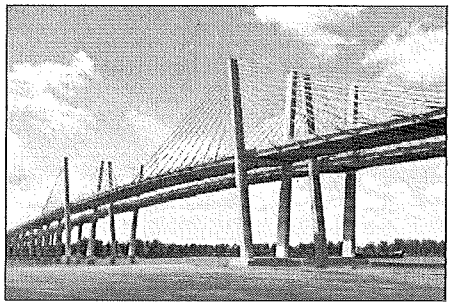
Contract Amount: $2,109,000
as of October 4, 2012

On Schedule/Within Budget: Yes

Owner and Contact:
PANYNJ
241 Erie Street, Room # 238
Jersey City, NJ 07310
Paul Salvatore, P.E
201.595.4892

Description of Services:
Services being provided under this contract generally consist of performing construction management and inspection services of structural steel, structural concrete, asphalt and concrete paving, painting of structural steel, electrical, mechanical, construction contract administration, constructability review, construction scheduling, and cost estimating. To date, KS Engineers, P.C. (KSE) has been given the following construction management assignments under this "Call-In" agreement:
- New Jersey Marine Terminals – Civil Construction Inspection
- New York Marine Terminals – Assistant Electrical Resident Engineer
- Newark-Liberty International Airport – Electrical Inspection Services
- PATH System Upgrades and Improvements – Electrical Inspection Services
- John F. Kennedy International Airport – Project Scheduler
- Contract Specialist

CONSTRUCTION QUALITY ASSURANCE (QA) AND CONSTRUCTION ENGINEERING AND INSPECTION (CEI) SERVICES FOR THE GOETHALS BRIDGE REPLACEMENT PROJECT
PORT AUTHORITY OF NEW YORK AND NEW JERSEY



Dates of Service: 2010-2012

Contract Amount: $11,826,000 Fee

$973M CCE

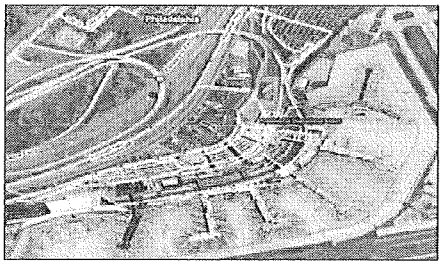
On Schedule/Within Budget: Yes

Client Contact:
NYNJ Link Developer LLC
125 West 55th Street
New York, NY 10019-5369
Luke Chenery
[redacted]

Description of Services:
KS Engineers, P.C. (KSE) was retained as the lead consultant by the Developer (NYNJ Link Developer LLC) of this PPP project, to provide independent Construction Quality Assurance (QA) and Construction Engineering and Inspection (CEI) services. KSE's role as CEI includes the following primary tasks:

- Develop approved Construction QA Manual and QA Audit Checklists
- Develop and implement fully electronic QA inspection forms and recordkeeping system using Microsoft SharePoint
- Perform independent QA inspection at each hold point
- Perform independent material testing to verify/audit Design-Builder's Quality Control Program
- Provide an off-site inspection to audit Design-Builder's Fabrication Quality Control Program
- Provide limited field survey and underwater inspection to verify construction quality
- Issue Non Conformance Reports (NCR), and Corrective Action Plans (CAP) as required
- Maintain Submittal Log, RFI Log, Shop Drawing Log, and Material Certification Log

CONSTRUCTION MANAGEMENT SERVICES FOR ROOF REPLACEMENT FOR B/C CONNECTOR AND C/D CONNECTOR AT THE PHILADELPHIA INTERNATIONAL AIRPORT
PHILADELPHIA INTERNATIONAL AIRPORT, PHILADELPHIA, PA



Dates of Service: 2011-Present

Contract Amount: Varies;
$65,000 to date

On Schedule/Within Budget: Yes

Owner and Contact:
Converse Winkler Architecture,
331 Montgomery Ave
Bala Cynwyd, PA 19004
James Winkler AIA, LEED AP
[redacted]

Description of Services:
KSE has been retained to provide Site Management/Supervision and Roof Inspection services. KSE also assists the PM with construction administration services for shop drawing review, RFIs, review and evaluation of contractors' invoices, maintenance of project records and drawings in accordance with established Aviation guidelines, preparation of punch lists, attendance at construction meetings, and consultation, as requested. KSE's on-site supervision activities include the following:

- Oversee contractors' work to ensure conformity with contract specifications.
- Inspect materials and equipment being incorporated into the work. Review materials to verify that they are handled, stored, and installed properly and that they are in compliance with the plans and specifications of the project.
- Identify/record problems encountered, issue non-compliance notices to the contractor, record any observations of work performed or materials installed in a manner not in compliance with the contract documents, and notify PM.
- Maintain daily reports, record the work performed and significant happenings on the project.
- Observe QC testing performance by the contractor. Maintain testing records, and transmit all records to the PM.

CONSTRUCTION MONITORING SERVICES FOR PAVEMENT REPAIRS AT BENJAMIN FRANKLIN BRIDGE, WALT WHITMAN BRIDGE, AND COMMODORE BARRY BRIDGE – CONTRACT NO. G-25-2012, CM-4505
Delaware River Port Authority, Camden, New Jersey

Dates of Service: 05/2013 – 07/2013

Fee: $15,000 (Fee)

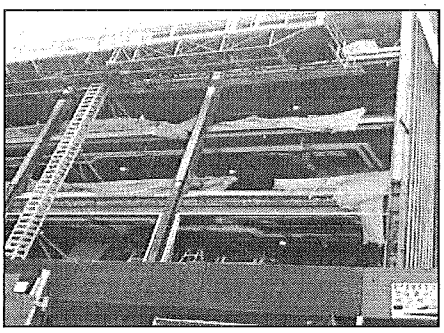
On Schedule/Within Budget: Yes

Owner and Contact:
Michael Venuto
[redacted]

Description of Services:
KSE provided Construction Monitoring and Inspection Services for Contract G-25-2012, specifically for the rehabilitation of site work, sidewalk, tunnel, and pavement repairs at the DRPA Facilities Complex located adjacent to the Ben Franklin Bridge at the NJ approach. The streets, driveways, garage aprons, parking lots, and sidewalks were suffering from moderate deterioration.

The scope of work included full depth pavement reconstruction; bituminous milling; bituminous HMA pavement base course and surface course overlay; miscellaneous demolition (unclassified excavation); repairs and replacement of concrete curbs and sidewalks; new concrete curb and sidewalk construction, including ADA curb ramps; sawcutting; diamond grinding; repairs to the tunnel roof slab; retaining wall foundation and cast-in-place wall construction; new stair handrails; new site fence; cleaning of pipes and inlets; repairs of inlets; new conduit and handhold installation; repairs to lighting; pavement markings; miscellaneous site work; and MPT.

CONSTRUCTION MANAGEMENT SERVICES FOR THE DEPARTMENT OF LABOR BUILDING AT 250 SCHERMERHORN STREET
NEW YORK STATE OFFICE OF GENERAL SERVICES



Dates of Service: 2011-2014

Amount: $201,000; $20M (CCE)

On Schedule/Within Budget: Yes

Owner Contact:
Bruce Trobridge
518.474.0306

Client Contact:
Hill International
John Milano
[redacted]

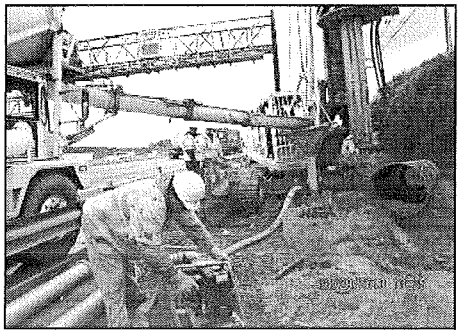
Description of Services:
KS Engineers, P.C. (KSE) provided on-site, full-time project administrative and document contract services, as well as bi-weekly safety inspections.

The project involved the complete interior demolition and reconstruction of a five-story office building for the New York State Department of Labor in Brooklyn, New York. The project also included the addition of one new floor above the fifth floor, a complete new exterior cladding system, and all new mechanical and electrical systems.

KSE also provided Safety Inspectors to periodically review and monitor the contractor(s)' safety program, conduct periodic safety inspections, make verbal and written recommendations, and report on required corrections not implemented by the contractor. Upon request, KSE investigated construction accidents and all other safety-related incidents. KSE Safety Inspectors monitored contractor compliance with City of New York construction safety requirements, OSHA safety requirements, and the safety requirements of any agency having jurisdiction.

INSTALLATION OF VARIABLE MESSAGE SIGN STRUCTURES AT NEW AND EXISTING LOCATIONS ON THE GSP AND NJTPK CONTRACT NO A600.102A; OPS NO A3261

NEW JERSEY TURNPIKE AUTHORITY; NJ TURNPIKE AND GARDEN STATE PARKWAY, NJ



Dates of Service: 2010-2013

Fee: On-Call

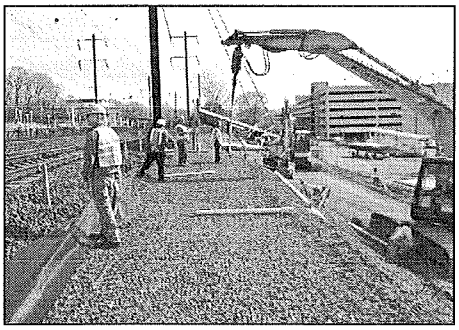
On Schedule/Within Budget: Yes

Owner Contact:
Andrew McConnell
[redacted]

Description of Services:
KS Engineers, P.C. (KSE) is providing construction inspection services for this 2009 Capital Construction Program Project. The scope of work under this OPS includes installation of thirty four (34) "site-specific" VMS sign structures at new and existing locations on the TPK and GSP roadways out of which twenty two (22) of the sign support structures will be overhead span type and twelve (12) will be Cantilever type. The contract work includes drilled shaft foundations, steel reinforcement cages, concrete pedestals, fabrication of sign structures and VMS signs, sign structure with VMS signs erection with associated control systems, removal of existing electronic signs and control systems, installation of new electric power and control cabinets for the new signs, required electrical conduits, junction boxes and cables, roadway loop detectors, utility relocations, temporary concrete barrier installation, MPT, coordinate with NJTA Operations and Maintenance Department and NJ State Police traffic directors for the maintenance and protection of traffic through the construction zones, while construction activities are in progress by the contractor.

NJ TRANSIT, 2009-2012 TASK ORDER CONTRACT – CONSTRUCTION MANAGEMENT SERVICES

NJ TRANSIT CORPORATION; STATEWIDE, NEW JERSEY



Dates of Service: 2009-2012

Contract Amount: $5M (NTE)

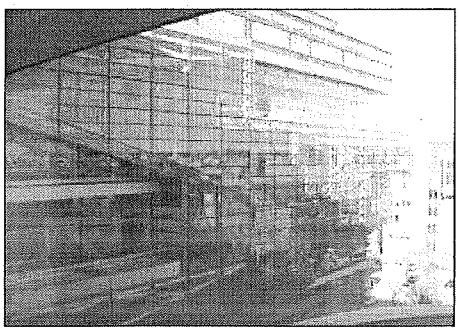
On Schedule/Within Budget: Yes

Owner Contact:
NJ Transit Corporation
One Penn Plaza East
Newark, NJ 07105
Joseph Marcello,
Construction Program Manager
[redacted]

Description of Services:
Under a three-year Task Order Agreement, KS Engineers, P.C. (KSE) has been responsible for providing Construction Management services to NJ Transit Corporation. Services included Rail and Bus Operations, and have included, but not been limited to:

- Constructability Review of Plans
- Project Scheduling and Schedule Analysis
- Cost Estimating and Review
- Construction Administration & Site Inspection
- Shop Drawing Review
- Change Order Analysis
- Claims Assistance
- Construction Value Engineering
- Site Safety Inspection
- Construction Survey

CONSTRUCTION MANAGEMENT AND SITE SAFETY INSPECTION SERVICES FOR BRONX FAMILY AND CRIMINAL COURTHOUSE
DORMITORY AUTHORITY OF THE STATE OF NEW YORK; BRONX, NEW YORK



Dates of Service: 2006-Present

Amount: $476K (Fee); $17M (CCE)

On Schedule/Within Budget: Yes

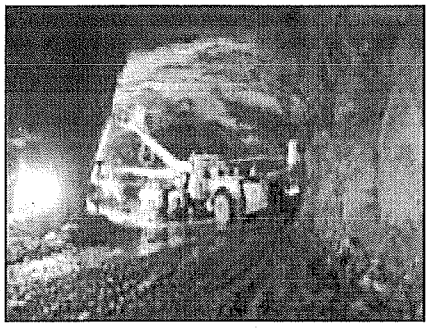
Client Contact:
STV Construction, Inc.
225 Park Ave. South
New York, NY 10003
Dennis K. Nazzaro
[redacted]

Description of Services:
KSE is providing Site Safety Inspection and Construction Inspection services for interior renovations at the Bronx Civil Supreme Courthouse. The purpose of this $17M project is to renovate the interior of the existing Supreme Court Building, which is listed on the National Register of Historic Places and is designated as a New York City landmark. Accordingly, all renovation and preservation efforts must reflect the integrity and historic importance of the prominent structure, and comply with the guidelines and restrictions of the above governing groups. The total construction duration is anticipated to be four years.

CM services will be provided in two phases and executed under three separate contracts (Design Phase, Construction Phase, and General Conditions Works Phase). The existing Courthouse will remain operational during the renovation process.

The phased methodology (horizontal or vertical) – floors, area, and/or quadrants – is being determined in concert with the design consultant during the schematic design phase. Close coordination will be required with the contractor providing elevator modernization, MEP systems, and infrastructure upgrade work, which will be conducted simultaneously by the Department of Citywide Administration Services (DCAS).

CONSTRUCTION MANAGEMENT FOR NO. 7 SUBWAY LINE EXTENSION PROJECT – CM-1311
MTA CAPITAL CONSTRUCTION - NYC TRANSIT; BOROUGH OF MANHATTAN, NY



Dates of Service: 2007-2012

Amount: $4,057,196 (Fee);
$1.5B (CCE)

On Schedule/Within Budget: Yes

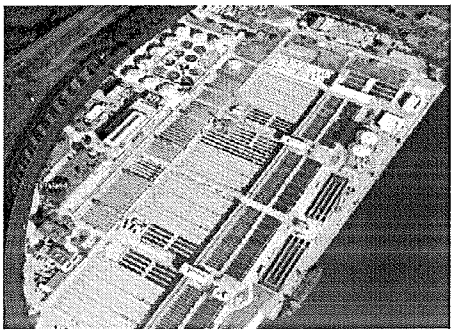
Owner Contact:
Peter Turton
Project Director
[redacted]

Description of Services:
As a subconsultant, KS Engineers, P.C. (KSE) is providing construction management services for this project that will extend the No. 7 Line westward under West 41st Street and southward under Eleventh Avenue to the southerly terminus at West 25th Street. The extension provides a 7,100 feet long two-track railroad with two lay-up tracks for the storage of six trains. It also provides two new stations; at West 41st Street and Tenth Avenue and a 2-track terminal station on Eleventh Avenue at West 34th Street.

KSE is presently working in the tunnel under the Street level Site "A" that is located on the East side at 11th Avenue between 25th and 26th Streets as shown in the above picture. Work in this area includes deck and concrete edge pans, safety lines, temporary lights, and tower stairs. We are also working on Site "P" located on the East side at 11th Avenue between 34th and 35th Streets as shown in the picture below. This project includes coordination between the contractor and the MTACC Construction Manager.

ON-CALL CONSTRUCTION INSPECTION/MANAGEMENT SERVICES BUREAU OF WASTEWATER TREATMENT (PW-072)

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Dates of Service: 2012-2013

Amount: $200M (Various Projects)

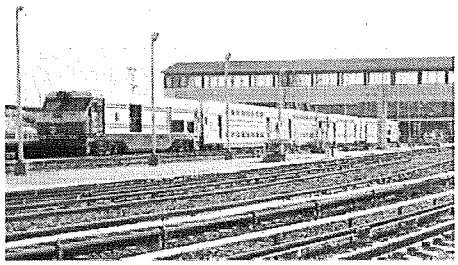
On Schedule/Within Budget: Yes

Owner Contact:
Mr. Najib Farooqi, P.E.
59-17 Junction Blvd.
Corona, NY 11368
[redacted]

Description of Services:
D&B provided field inspection services and complete Construction Management Services for the Bureau of Wastewater Treatment. The inspection services were conducted for various job order contract projects in Wards Island, Hunts Point, Bowery Bay and Tallman Island WPCP's. Also, full CM services were being provided for the 245th St. pumping station and for contract PS-223 Richmond Hill Road Pumping Station. Services included: replacement of gas flare tower; replacement of high level influent gates 2 & 6; scrubber #3 replacement; tide gate replacement in BB drainage area; installation of trench drain for screening and grit container area; primary settling tank mechanical and electrical equipment replacement; replacement of primary screen #4.; installation of tool room ventilation system; repair dock structure; repairs to gas holder; door rehabilitation installation of ladder to access top of gas holder; repair walking bridge at dock; repair of digester overflow box; primary settling tank scum skimmer replacement; grease collection system in chlorine contact tank; cleaning of duck work in old admin. building; installation of drip trays in dewatering building; secondary by pass channel sluice gate actuators; installation of stop planks to repair msp discharge gates; installation of V-notch weir gates in battery C sluice gates; installation of submersible pumps in pump and bowel building; roadway reconstruction by A-gate; transformer enclosure; reconstruction of polymer pumps control panels; replacement of no. 1 generator; replacement of 8 tide gates in WI drainage area; replacement of steam line for digester heating; repair of concrete in thickener area and north and south gallery.

INDEFINITE QUANTITY ENGINEERING SERVICES FOR SUPERSTORM SANDY-RELATED REPAIR AND RESILIENCY PROJECTS AND MISCELLANEOUS CONSTRUCTION

METROPOLITAN TRANSPORTATION AUTHORITY - NYC TRANSIT



Dates of Service: 2013-2018

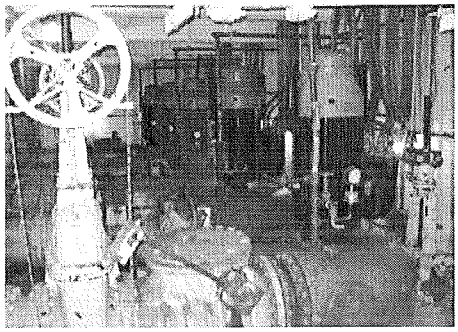
Amount: Varies (NTE $250M)

On Schedule/Within Budget: Yes

Owner Contact:
William Linder
2 Broadway
New York, NY
[redacted]

Description of Services:
D&B Engineers and Architects, P.C., as a subconsultant, has been selected to provide engineering services, including design services and construction management and inspection services, for federally funded Superstorm Sandy-related projects for repair, resiliency and other miscellaneous construction. Resiliency projects include the design and construction of mitigation measures to prevent and/or mitigate future damage to the NYC transit system caused by severe meteorological events such as a hurricane or flood.

CONSTRUCTION MANAGEMENT HURRICANE SANDY PUMP STATION EVALUATIONS/REPAIRS ASSIGNMENT
NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Dates of Service: 2012-2014

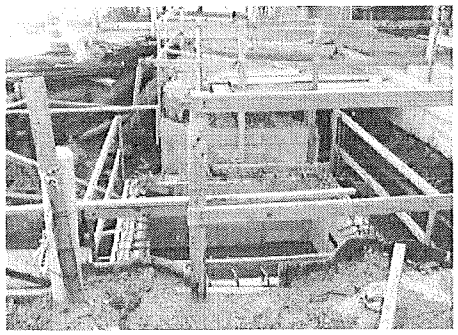
Contract Amount: $35M (estimated)

On Schedule/Within Budget: Yes

Owner Contact:
Mr. Patrick O'Conner, P.E.
Accountable Manager
New York City Department of
Environmental Protection
Bureau of Environmental Engineering
59-17 Junction Blvd.
Corona, NY 11368

Description of Services:
The impact of Superstorm Sandy on the NYCDEP collection system was severe. During the storm, fifty seven (57) wastewater pumping stations (out of a total of ninety six (96)) failed. In the aftermath of the storm, thirty (30) of these stations remained non-functional. The resulting environmental impact, imminent risk of disease and the discontinuity of crucial sanitary services required emergency response and immediate action. Many were significantly damaged by flooding, including extensive damage to electrical systems. D&B provided an around the clock effort to provide construction management/inspection and emergency coordination services. D&B immediately mobilized a staff composed of administrators and inspectors that reported to a central operations center situated at NYCDEP's Lefrak facility to coordinate and oversee the contractors' field activities. The thirty 30 stations rendered non-functional by Superstorm Sandy were returned to a minimal level of functionality within 84 hours of the storm's demise. This effort required mobilization of electricians, inspectors and engineers in an environment devoid of cell phone service, electricity, and gasoline. Additionally securing scarce resources (generators, Godwin pumps, miscellaneous equipment and fuel), and coordinated transportation of these materials during this chaotic period, required true dedication and fortitude and many people working in unison. D&B has received many praises from the DEP for this project.

CONSTRUCTION MANAGEMENT OAKWOOD BEACH SUBSTATION RECONSTRUCTION (OB-125)
NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Dates of Service: 2011-2015

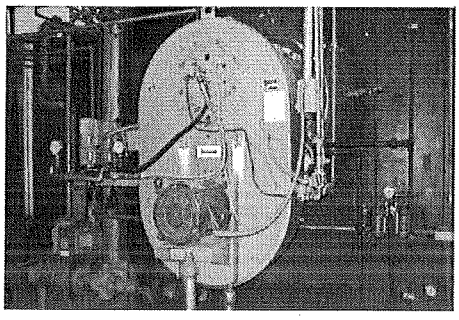
Contract Amount: $13,852,850

On Schedule/Within Budget: Yes

Owner Contact:
Mr. Franco Morizio
NYCDEP
59-17 Junction Blvd.
Corona, NY 11368
[redacted]

Description of Services:
D&B was retained by the NYCDEP to provide construction management services for the Oakwood Beach WWTP 5KV Substation Reconstruction (Contract OB-125) contract in Staten Island. This contract is associated with the American Reinvestment and Recovery Act (ARRA). Services included:
OB-125G: Construction of a new permanent Primary Electrical Switchgear Building and support systems to house replacement switchgear and auxiliary equipment; architectural renovations to the; existing Transformer Enclosure that house two existing Con Edison Transformers; Providing excavation, backfill, and concrete work for 5KV Feeders and modifications to underground feeder distribution systems, All associated instrumentation and controls, mechanical, structural, civil, architectural, HVAC, plumbing, and landscaping work required
OB-125E: Demolition of existing Primary Electrical Substation Switchgear; Furnish and install new switchgear and support systems, associated appurtenances, fire alarm system and lightning protection system; Providing conduit, wiring, and electrical accessories for 5KV feeders, performing modifications to the underground feeder distribution system; Furnish and install a new 2000 KW Portable Diesel Generator.

CONSTRUCTION MANAGEMENT PORT RICHMOND BOILER UPGRADE (PR-113)
NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Dates of Service: 2011-2013

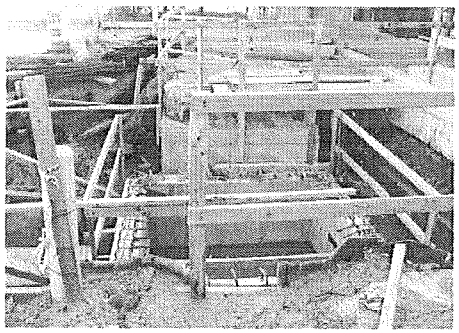
Contract Amount: $27,010,500

On Schedule/Within Budget: Yes

Owner Contact:
James Lauria, P.E.;
Portfolio Manager BEDC
NYCDEP
59-17 Junction Blvd., Corona, NY 11368
[redacted]

Description of Services:
D&B was retained by the NYCDEP to provide construction management services for the Port Richmond WWTP Boiler Upgrade (Contract PR-113) contract in Staten Island. This contract is associated with the American Reinvestment and Recovery Act (ARRA). The principle items of work that D&B will be responsible for under this contract include: Replacement of two existing 900 bhp boilers and one existing 200 bhp boiler with three new 600 bhp fire tube boilers. The existing boilers are fueled by digester gas or fuel oil, and the new boilers will be capable of being fueled by digester gas or natural gas; Replacement of all pumps, valves, expansion tanks, piping and appurtenances within the existing Boiler Room; Replacement of three existing waste heat exchangers and effluent water pumps; Removing existing waste gas burner on the roof of the boiler room and installing new digester waste gas piping and two new waste gas burners on the roof of the Sludge Building; Installation of a new natural gas main to fuel the boilers and serve as pilot for the boilers and waste gas burner; Replacement of four existing digester gas compressors, associated piping and ancillary equipment; Replacement of existing digester gas piping from gas compressor room to boiler room; Performing structural and mechanical repairs to an existing 100,000 cu-ft Wiggins gas holding tank. Replacing the existing heating and ventilation in Motor Control Center Room B; Removing sludge and cleaning the three digesters.

SUPER STORM SANDY 38 PUMP STATION EMERGENCY REHABILITATION
NASSAU COUNTY DEPARTMENT OF PUBLIC WORKS



Dates of Service: 2012-2014

Contract Amount: $400,000

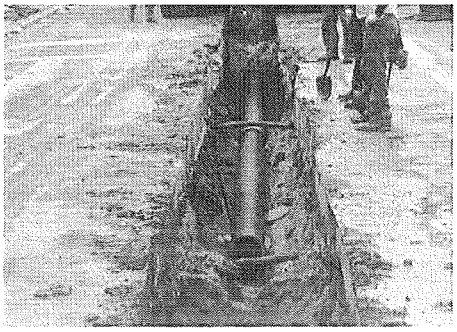
On Schedule/Within Budget: Yes

Owner Contact:
Mr. Franco Morizio
NYCDEP
59-17 Junction Blvd.
Corona, NY 11368
[redacted]

Description of Services:
Superstorm Sandy took its toll on Nassau County's wastewater conveyance and treatment infrastructure. Hard-hit were the 70 mgd Bay Park Sewage Treatment Plant as well as its network of wastewater pump stations. Many of the pump stations were flooded and without utility power rendering them completely out-of-service. D&B was requested to assess the condition of each of the County's 38 pump stations; prepare damage assessment reports along with photo documentation for each with the ultimate goal of restoring the stations and treatment plant to full operation. D&B incorporated mitigation improvements into the work including such items as elimination of a floor-mounted MCC and installation of separate wall-mounted pump starter cabinets, main service cabinet and telemetry panel well above the Superstorm Sandy flood elevation. To prevent flood damage from future storms, mitigation may include one or a combination of the following measures: elevate first floor superstructure to the new 100-year flood elevation; utilize flood gate systems; utilize watertight access doors; raise critical station components above the new 100-year flood elevation; utilize "immersible" type grinder motors; and relocate electrical control panels, relay panels and related components above grade.

RESIDENT ENGINEERING INSPECTION SERVICES FOR THE RECONSTRUCTION OF GRAND CONCOURSE SERVICE ROADS, BOROUGH OF THE BRONX, NY

NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION



Dates of Service: 2014-2016

Contract Amount: $27M

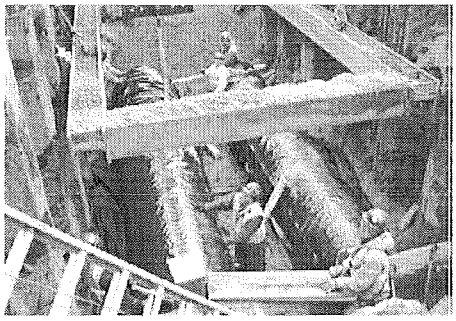
On Schedule/Within Budget: Yes

Owner Contact:
Lambert Monah, PE
Borough Director
30-30 Thomson Avenue
Long Island City, NY 11101
[redacted]

Description of Services:
D&B Engineers and Architects, P.C., as a joint venture, is providing Resident Engineering Inspection Services for the Reconstruction of Grand Concourse Service Roads between East 165 Street and East 172 Street, including widening of median/malls, replacement of combined sewers, relocation of distribution water mains, installation of street lighting and landscaping work. D&B is responsible for all requisite services necessary for the inspection, supervision, management, coordination and administration of the Project. D&B's efforts will ensure that construction work is properly executed, completed in a timely fashion, and conforms to the requirements of the contract documents, and is performed in accordance with accepted industry practice standards. D&B is providing these services for the duration of the Project, including both pre- and post-construction.

AVENUE "V" PUMPING STATION AND FORCE MAINS

NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Dates of Service: 2006-2013

Contract Amount: $150M

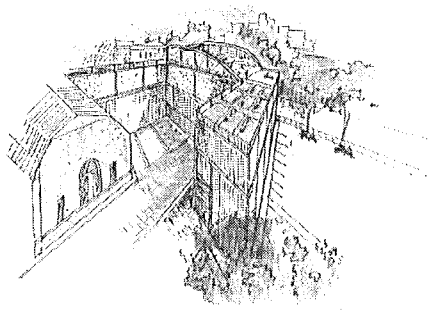
On Schedule/Within Budget: Yes

Owner Contact:
Mr. Warren Gordon, P.E.
NYCDEP
Bureau of Environmental Engineering
59-17 Junction Blvd.
Corona, NY 11368
[redacted]

Description of Services:
D&B provided complete construction management and inspection services for this Wicks Law project, including: review, management and monitoring of construction schedules, maintenance of project documentation; resident engineering inspection services; supervision and inspection of work (including the removal of hazardous materials); EH&S monitoring; preparation of field change orders; processing contractor payments; preparation of delay analyses and claim reports; preparation of a fixed assets survey; preparation of final copies of shop and working drawings; preparation of as-built drawings; microfilming of records; project operation services; preparation of an implementation schedule; plan of operation; and corrective action plan.

The project consisted of an upgrade to the Avenue "V" Pumping Station and the installation of two new ductile iron force mains. The 36" and 48" diameter force mains run along the Belt Parkway and through local Brooklyn streets for a total length of ten miles. Reconstruction of roadways was necessary as well as protection, support and relocation of other underground utilities interfering with the new piping. Various construction techniques were used including open cut, jacking and micro tunneling.

FACILITY UPGRADE – GREEN INFRASTRUCTURE DESIGN GOWANUS CANAL PUMPING STATION
NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION



Dates of Service: 2003-2014

Contract Amount: $141M

On Schedule/Within Budget: Yes

Owner Contact:
Mr. Kevin Clarke
NYCDEP
Bureau of Environmental Engineering
59-17 Junction Blvd.
Corona, NY 11368
[redacted]

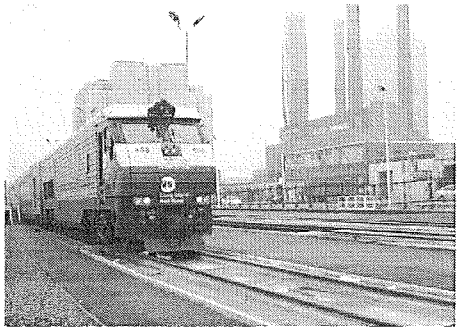
Description of Services:
D&B is leading the Gowanus Facilities Design Team. This multi-million dollar upgrade includes innovations in design and engineering which includes the Flushing Tunnel Pumping System; Flushing Tunnel Pump Building and Gate House, and the Gowanus Pumping Station. D&B is serving the combined sewer system and screening of CSO while creating limited back-ups in the sewer system.

The Green improvements of the Gowanus Pumping Station include:

Vegetated Roof System: The upgrade of the Gowanus Pumping Station includes the construction of a 450-square foot green roof, which is designed to assist in storm water management, energy conservation, and providing a long-term lifecycle expectation. The green roof incorporates low maintenance landscaping consisting of shallow soil depths (<6 inches) with plant varieties that are restricted primarily to mosses, herbs and grasses that can withstand harsh conditions and are indigenous to the region.

Bio-Retention Areas: The site grading and drainage system for the upgrade of the Gowanus Facilities was designed to reduce impervious areas, thereby reducing the volume of run-off generated on-site and maximizing the planting areas, including the addition of bio-retention areas, which are intended to improve the quality of storm water leaving the site in addition to reducing of the overall volume of run-off.

ON-CALL ENVIRONMENTAL SERVICES CONTRACT
METROPOLITAN TRANSPORTATION AUTHORITY - LONG ISLAND RAIL ROAD



Dates of Service: Varies

Contract Amount: Varies

On Schedule/Within Budget: Yes

Owner Contact:
Varies

Description of Services:
Dvirka and Bartilucci Consulting Engineers (D&B) was retained by the Long Island Rail Road (LIRR) System Safety Department in late 2009 to serve as its environmental consultant under a first-of-its kind On-Call Environmental Services Contract. The LIRR selected D&B for this contract given our broad range of environmental expertise and our ability to complete complex, multifaceted projects in an efficient and cost-effective manner. This contract allows the LIRR to issue D&B work assignments for specific projects that could potentially cover a broad range of environmental disciplines, including:

- Remedial Investigation and Site Characterization Studies;
- Remedial Designs;
- Environmental Site Assessments;
- Environmental Management and Compliance;
- Industrial Hygiene Surveys; and
- Human Health Exposure Assessments.

Since the execution of the Contract, the LIRR has released a total of five work assignments to D&B.

CONSTRUCTION MANAGEMENT SERVICES AND RELATED TECHNICAL SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2011-2014 (410-11-048)

VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY

Dates of Service: 2011-2014

Contract Value: Unknown

On Schedule/Within Budget: Yes

Owner and Contact:
Paul Salvatore
Port Authority of New York
and New Jersey
201.595.4892

Description of Services:
Since the Authority did not have sufficient staff to provide complete CM/CI services for its extensive construction program, as part of a joint venture, JMT and their subconsultants were contracted to provided staff to properly oversee the construction work.

The Authority provided a job specification which included detailed educational and experience requirements, facility where services were to be performed and approximate time required.

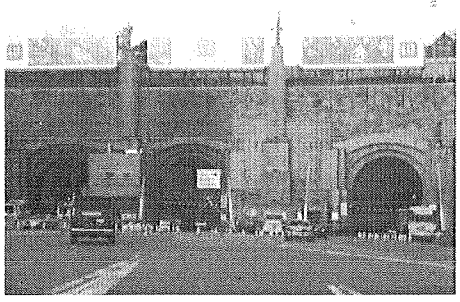
The JV provided resumes which were reviewed by the staff of the facility where they were required. The Resident Engineer then selected those he wished to interview. After the interviews a selection was made.

Facility staff were satisfied with the staff provided and some of those placed were on the job for a over a year. Most of the work took place at the Port Newark/ Port Elizabeth complex and Port Jersey. Representative projects include:

- EP-PJMT- Berths 50-98 and PJ North berths 1 & 2.
- PN- Berth 14 Wharf Reconstruction
- PN- Berth 3 Wharf Reconstruction
- PN- Underdeck Rehab of berths 16, 18, 20, 22 and 24

CONSTRUCTION INSPECTION – BIENNIAL INSPECTION OF LINCOLN TUNNEL NEW JERSEY APPROACH ROADWAYS & ON-GRADE SIGN AND LIGHTING STRUCTURES

VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY



Dates of Service: 2011-2014

Fee: On-Call

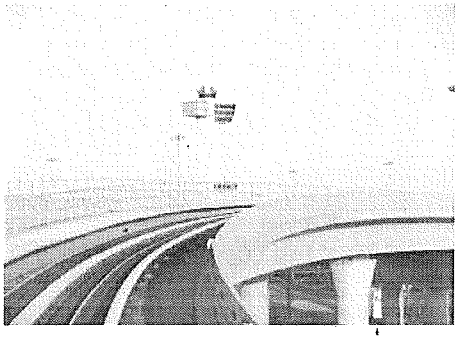
On Schedule/Within Budget: Yes

Owner and Contact:
Robert Drew, PM
Hardesty & Hanover (Prime)

Description of Services:
The Port Authority of New York & New Jersey manages and/or operates all of the region's major commercial airports, marine terminals, and interstate tunnels and bridges. This "call-in" contract required consultants to perform facility condition surveys for these facilities as required and requested. This project consisted of the inspection of the New Jersey Approach Roadways and On-Grade Sign and Lighting Structures of the Lincoln Tunnel. This biennial inspection included site visits, cost estimates, condition inspections of median barriers, guide rails, signage and lighting structures throughout the helix. The upper helix comprises seven structures consisting of both concrete and steel superstructures. The lower helix comprises three structures of varying structure types.

EnTech was a subconsultant to Hardesty & Hanover and participated in the condition surveys and report generation for this PANYNJ asset. This project also required extensive coordination and scheduling as well as Maintenance and Protection of Traffic (MPT).

CONDITION INSPECTION – BIENNIAL FACILITY INSPECTION AND CONDITION SURVEY OF THE JFK INTERNATIONAL AIRPORT ROADWAY BRIDGES, QUEENS, NY
VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY



Dates of Service: 2011-2014

Fee: $21,460

On Schedule/Within Budget: Yes

Owner and Contact:
Robert Drew, PM
Hardesty & Hanover (Prime)

Description of Services:
This project consisted of inspection of 31 bridges, 77 bridge mounted signs, and 48 lighting structures located in John F. Kennedy Airport in New York. The purpose of the condition survey was to determine the overall condition of these structures and to identify all structural and nonstructural deficiencies. As part of the contract, one report was submitted to NYSDOT and another to PANYNJ.

EnTech, as a subconsultant to Hardesty and Hanover, participated in updating the NYSDOT Biennial Inspection Reports based on the field reports, preparing the deficiency location drawings, and preparing the final Biennial Facility Inspection and Condition Survey Report submitted to the PANYNJ.

PERFORMANCE OF EXPERT PROFESSIONAL TOPOGRAPHIC/BOUNDARY SURVEYING SERVICES AS REQUESTED ON A "CALL-IN" BASIS
VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY

Dates of Service: 2011-2014

Contract Value: $3M+

On Schedule/Within Budget: Yes

Owner and Contact:
Rich Carlson
[redacted]

Description of Services:
JMT (formerly Kupper), provided survey services for the Port Authority of New York and New Jersey (PANYNJ) under "Call-In" Basis Survey Services Contracts. The surveys were provided at numerous PA NYNJ facilities located in New Jersey, including Newark Liberty International Airport (EWR), Teterboro Airport (TEB), Stewart International Airport (SWF), ElizabethPort and Port Newark.

In addition to surveys and mapping provided by our firm, our survey field personnel have worked with PANYNJ party chiefs as members of PANYNJ field crews for surveys at Teterboro airport (TEB), Port Newark, ElizabethPort, the west portal of the Lincoln Tunnel, the east portal and approach to the Holland Tunnel and a waterfront site in Hoboken.

Surveying Services under the current Call-In contract include the Bayonne Bridge Navigational Clearance project. Boundary, Right-of-Way, Utilities, tree, topographic surveys, as well as, control were part of the contract requirements. CAD mapping was completed and provided in the PA,NYNJ standards and formats.

BAYONNE BRIDGE NAVIGATIONAL CLEARANCE PROJECT
VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY

Dates of Service: 2011-2014

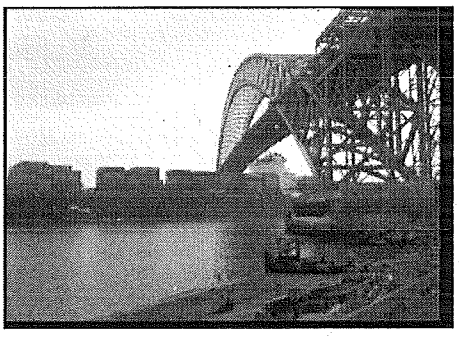
Fee: $300,000

On Schedule/Within Budget: Yes

Owner and Contact:
Rich Carlson
[redacted]

Description of Services:
The PANYNJ is in the process of designing the raising of the bridge deck and roadway of the Bayonne Bridge to allow for the larger ships into the area Ports. As part of this project JMT performed the outbound property surveys along the alignment of the bridge approaches and bridge. The property surveys were performed to meet current ALTA/ACSM Land Title Survey standards.
The Bayonne Bridge passes over the Kill Van Kull and connects the City of Bayonne, NJ with Staten Island (Boro of Richmond) NY. The total length of the bridge including the arch and approach viaducts is 6,695 feet. The bridge and its approaches run through roughly 17 properties within Staten Island NY and 12 properties within the City of Bayonne, NJ, along with some 60 adjoining properties and multiple city blocks.
JMT performed the survey to meet the "Minimum Standard Detail Requirements for ALTA/ACSM Land Title Surveys" effective February 23, 2011 with additional Table A, Optional Survey Responsibilities and Specifications items. The survey also was performed to comply with N.J.A.C. 13:40-1.1 et seq., NY Education Law Land Surveyor Practice Guidelines, and other laws and regulations applicable to land surveying in NJ and NY.

CONSTRUCTION MANAGEMENT (CM) – THE BAYONNE BRIDGE NAVIGATIONAL CLEARANCE PROGRAM FOR 2012- 2018, STATEN ISLAND, NY/BAYONNE, NJ
VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY



Dates of Service: 2011-2014

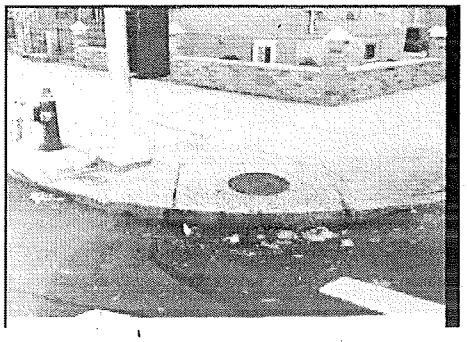
Fee: On-Call

On Schedule/Within Budget: Yes

Owner and Contact:
Gregory Zenk, PE
[redacted]

Description of Services:
Built in 1931 and one of the longest steel arch bridges, the Bayonne Bridge with a fixed suspended deck, connects Bayonne, New Jersey to the Richmond area of Staten Island, New York spanning the Kill Van Kull. The mid-span clearance is 150 feet to permit ocean going vessels to use this entrance to Port Newark and the Elizabeth Port Authority Terminal. Raising the Bridge to approximately 215 feet navigational clearance will allow larger vessels to pass below the bridge and gain access to the port and marine terminals. The bridge has a daily traffic of 20,000 cars.
EnTech is a subconsultant to the Greenman-Pedersen, Inc. (GPI) Engineering team in charge of CM including Civil, Structural, Electrical and Mechanical Engineering, Coatings Systems, and Construction Management and Project Support Services specifically related to construction of new approaches, which includes structural steel, precast concrete elements, viaduct construction, drilled shafts and mini piles. EnTech provides construction management and inspection staff for the performance of various services as determined by GPI. The services of EnTech staff include: performing inspection services, constructability reviews, coordinating construction activities with facility operations, permit compliance, contract administration, and preparing construction cost estimates and schedules.

RESIDENT ENGINEERING INSPECTION (REI) – REQUIREMENTS CONTRACT FOR RESIDENT ENGINEERING INSPECTION SERVICES FOR SMALL INFRASTRUCTURE PROJECTS
NEW YORK CITY DEPARTMENT OF DESIGN AND CONSTRUCTION



Dates of Service: 2011-2014

Fee: On Call - NTE $8M

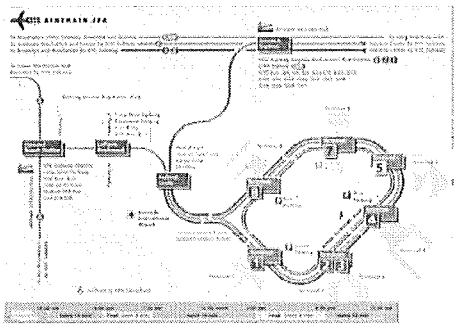
On Schedule/Within Budget: Yes

Owner and Contact:
Rosemary Bussi
NYCDDC
[redacted]

Description of Services:
EnTech, as a prime consultant, is one of seven firms under this requirements contract with the NYCDDC to provide all services necessary and required for the inspection, management, coordination and administration of small infrastructure projects, from commencement through substantial completion, final acceptance, and project close-out. Under this contract EnTech has been the awardee on multiple mini DDC RFPs.

As the REI prime consultant for this contract, EnTech is responsible for contractor compliance with contract documents including NYCDDC and NYCDOT standard specifications and drawings for the installation of sidewalks, steel-faced and concrete curbs, driveways, and pedestrian ramps. The EnTech REI team's tasks include inspecting the standard testing requirements of materials, implementing standard material specifications for concrete, steel-faced curbs, curing compounds, ADA yielding pedestrian ramps, expansion joints, ductile iron pipe for chute connections, hydrant relocations and catch basins, verification of all materials certifications for the preparation of the monthly estimate, coordination with the contractor in scheduling daily work activities, coordinating with Bureau of Quality Assurance for concrete placements, as well as with the materials testing laboratory, processing contractor payment estimates, assisting in the assessment of complex street corners, and creating task orders.

PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT SERVICES (MBE/WBE) FOR NEW YORK AIRPORT AND PORT COMMERCE PROJECTS AS REQUESTED ON A "CALL-IN" BASIS 2010, 2011, AND 2012 (PA# 410-11-016):
VARIOUS PORT AUTHORITY FACILITIES IN NEW YORK AND NEW JERSEY



Dates of Service: 2012

Contract Value: Unknown

On Schedule/Within Budget: Yes

Owner and Contact:
Mr. Paul Salvatore, P. E.,
PANYNJ
(201) 595-4892

Description of Services:
Haider's services included: Construction Inspection Services, Structural Steel, Structural Concrete, Asphalt and Concrete Paving, Painting of Structural Steel, Electrical, Mechanical; Construction Contract Administration; Constructability Review; Cost Engineering/ Estimating

Task Assignments Included: JFK, LaGuardia and Newark Liberty International Airports.

THE PORT AUTHORITY OF NY & NJ

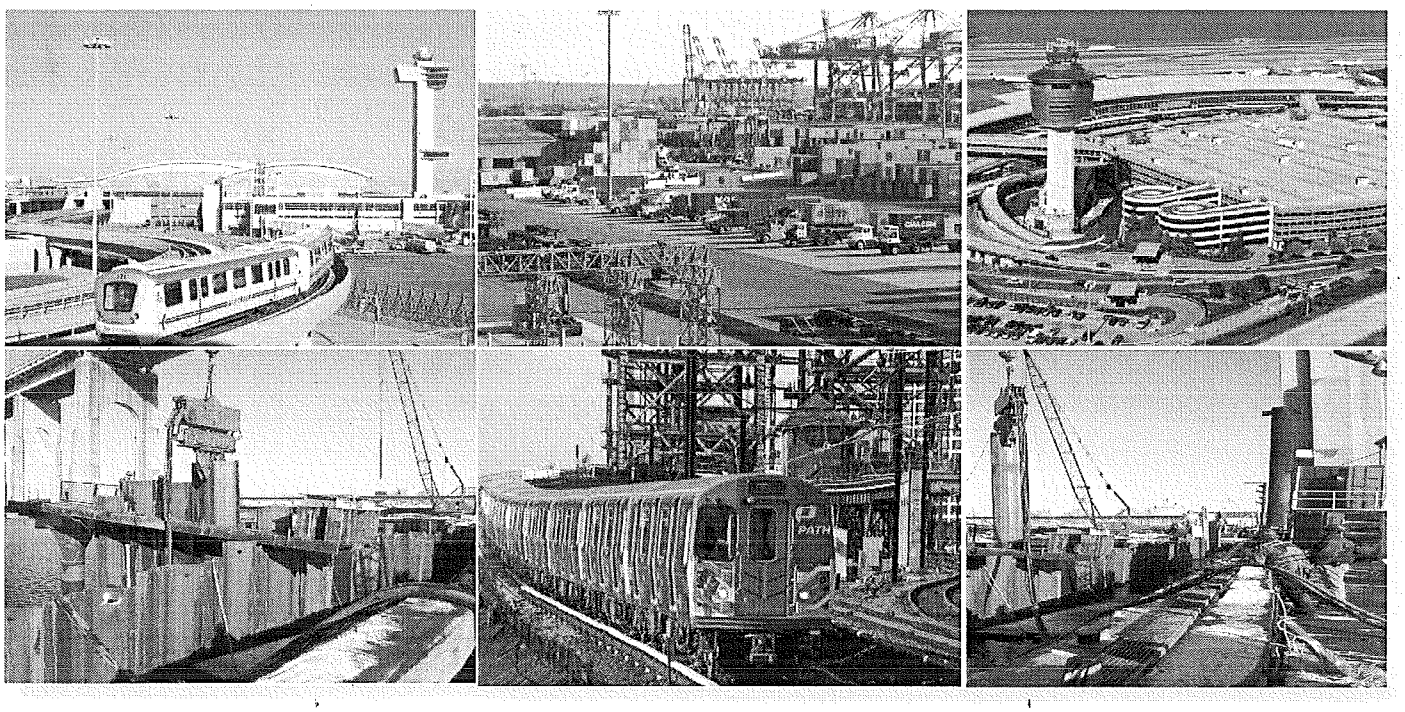
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section G

Management Approach



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

G | Management Approach

D&B Engineers and Architects, P.C. and KS Engineers, P.C. Joint Venture (D&B/KSE JV) will provide Construction Management Services on an on-call basis for the Port Authority of NY and NJ (PANYNJ) under this contract. These services will include, but not be limited to, providing support with construction managers, resident engineers, assistant resident engineers, safety engineers, construction inspectors, contract administrators, office engineers, schedulers, claim analysts, construction auditors, cost estimators, document control specialists, field engineers, etc. The **D&B/KSE JV** strategic approach, as explained in this proposal, has been developed from extensive experience on countless NYC infrastructure projects and has been proven to deliver top-quality projects safely, timely, and within budgetary requirements.

As the PANYNJ states in the Request for Proposal, the specific nature of assignments and projects is not known with absolute specificity at this time. However, based on our prior experience, our extensive knowledge with respect to the various PANYNJ facilities, and our track record of service on similar related projects, **D&B/KSE JV** anticipates the overall general nature of work that will likely be involved. During the preparation of this proposal, we have tried to carefully evaluate possible PANYNJ needs, matching them against our available technical resources. We believe that our thorough understanding of the PANYNJ facilities will enable us to efficiently prepare for any necessary construction management services requested under this contract. For this project, we have combined and structured the expertise of the personnel from our staff and our subconsultant offices resulting in a project team with superior experience and knowledge. From our past experience supplying construction personnel for numerous on-call and project-specific assignments, the D&B/KSE JV Team management group has the experience and knowledge to pre-plan for the anticipated assignments. We firmly believe that such pre-planning will be the key to efficient handling of any individual assignment and/or project that the PANYNJ will consider under this contract.

This project requires a team of professionals with extensive experience in the various areas of construction engineering who will be available at the inception of this project. The personnel proposed as the **D&B/KSE JV** Team are highly experienced in construction engineering in the New York City metropolitan area, and therefore, bring existing knowledge to the project, thereby precluding any learning curve. Team members

are fully aware of the other's strengths. This will help expedite any project, and help keep assignments on schedule and within budget.

Assignments given to the **D&B/KSE JV** Team by the PANYNJ must be managed and staffed by seasoned personnel since the work may likely be performed in a condensed time period (or at off-peak hours – "night operations"). Throughout the course of this project, continual communication and coordination will be maintained through meetings, progress reports and consultation with the PANYNJ to review progress and elicit for discussion any potential conflicts and/or problem areas. The **D&B/KSE JV** Team will always provide PANYNJ with solutions to conflicts and problems to ensure that the project remains on or close to the original schedule and budget.

As described later in this section, the **D&B/KSE JV** Team has developed a management structure to handle assignments for the performance of "call-in" or "on-call" construction management projects. This structure has been developed based upon our experience working with many different agencies on call-in and project specific construction projects. With client input, we have the ability to improve and refine our techniques. We believe that with a clear and distinct structure that delineates project responsibilities and provides for accountability, the **D&B/KSE JV** Team can provide services in a rapid-fire fashion and perform high quality work while maintaining client satisfaction by keeping projects on schedule and within budget. By keeping individual roles distinct, we can avoid many potential pitfalls when performing project work under aggressive time schedule constraints.

G.1 | Project Planning

Call-in contracts do not have a defined scope of services at the outset. Identification of the assignments and definition of the tasks to be performed are components of the overall project. Attachment A of the Request for Proposals lists four major tasks for potential assignments. Specifically, the following four tasks are:

- Construction Inspection Services
- Construction Contract Administration
- Constructability Review
- Cost Engineering / Estimating

Upon receiving an assignment from the PANYNJ, our project principal / project manager will coordinate with our project coordinator and review the specific scope of work for the assignment. If necessary, or if requested by the PANYNJ, we will conduct meetings with the PANYNJ representatives and visit the site(s) to better understand the scope and personnel required for the assignment.

D&B/KSE JV will then identify the personnel available from the D&B/KSE JV Team who, in our judgment, are the best suitable candidates for the assignment. We will submit the resumes of suitable candidates for approval of the PANYNJ project manager or authorized representative. If requested by the PANYNJ, we will arrange interviews for our proposed personnel by the PANYNJ representatives. Based on the scope of work from the PANYNJ, our project manager will develop a detailed staff-hour estimate and cost proposal for the PANYNJ's review and approval. If required, we will modify the staff-hour estimate based upon comments received from the PANYNJ project manager. Upon approval of the cost proposal and receipt of the notice-to-proceed from the PANYNJ for a specific assignment, our project manager will mobilize approved personnel to the project site for the entire duration of the assignment.

G.2 | Resources of the D&B/KSE JV Team

The **D&B/KSE JV** Team has a large pool of staff and unmatched local resources to support the effort required for the subject contract. We have the ability to respond rapidly to any and all assignments. In order to provide the highest-quality construction management services at PANYNJ work sites, the **D&B/KSE JV** Team is committed to providing and maintaining a cadre of technically trained and certified resident engineers and inspectors. Our sub-consultants will supplement our staff as deemed necessary.

Our locally-based firms have over four decades of construction management and inspection experience, and this project provides an excellent opportunity to provide our combined local experience, resources and expertise to the Port Authority of NY & NJ.

We regularly place employment advertisements in local newspapers and construction journals. In addition, we have relationships with several technical staffing agencies in the NY metropolitan area for construction staffing needs. If needed, we can quickly hire additional qualified staff from these sources for any PANYNJ assignments.

Under our current "Call-In" CM Contract with the PANYNJ, there have been 19 different task orders issued to-date. **D&B/KSE JV** proposed personnel for each of these 19 task orders. A total of 13 D&B/KSE JV candidates were selected by the PANYNJ to provide services under these task orders.

D&B/KSE JV has been performing "Call-In" CM/Inspection services for the NYCDEP Bureau of Wastewater Treatment (BWT) with minimal overhead and streamlined support for many projects throughout the City. Some of the BWT's construction work is done on an emergency basis, and also during the low-flow periods that occur during the night. We have, without exception, staffed emergency and overnight work with appropriate personnel, many times with very little notice. Our Team consists of experienced, hard-working individuals who work together in a cohesive manner that results in an embedded a spirit of cooperation and teamwork with all project stakeholders and ultimately delivers successful projects. We have excelled on the BWT effort and in fact have recently received an "excellent" rating from the City for Timeliness of Performance.

NYC – "Excellent 2014 Rating"

..."The Consultant's contract provides for CM/Inspection and EHS services in connection with a variety of capital improvement projects at various BWT facilities. The Consultant's services are provided on an "on-demand basis", and the Consultant continues to exhibit that they are always available and prepared to provide requisite professional services while keeping costs to NYCDEP to the minimum amount realistically possible...Based on the terms of the contract, the consultant has strictly adhered to anticipated schedules and milestones, and has always submitted construction reports on a timely basis and in an extremely professional manner. The Consultant is, always prepared for meetings in all cases and prompt and efficient when report submittal is required. During the past year, the consultant has facilitated the successful completion of over eighty-seven reconstruction projects. The consultant participated in all joint scope, pre-construction, progress meetings and constructability reviews as required by BWT Management. The Consultant is very dependable and always ready to execute their managerial and technical skills with outstanding efficiency."....

G.3 | Supervision of Personnel

It is our understanding that our construction personnel will work at the PANYNJ facilities and report directly to the PANYNJ supervisors. We are completely familiar with this type of arrangement. In fact, we have been working with the PANYNJ, MTA, NJDOT, NYCDEP, NYSDOT, and other state and local transportation agencies for the many years on various call-in construction inspection projects with similar arrangements.

Whether our employees are reporting to **D&B/KSE JV** management, or to our client's representative, we monitor the performance of our employees extremely closely. Without any additional charge to the PANYNJ, our project manager or project coordinator will visit the field office once a month for face-to-face discussions with our employees to discuss progress and any concerns. Our project manager will also meet the PANYNJ project supervisor or resident engineer on a periodic basis to verify client satisfaction and to monitor overall performance. From experience, we have determined that such periodic communication is a very effective management tool in addressing problems before they become a threat to the progress of the project.

Should the PANYNJ be dissatisfied with our staff, we pledge to replace our staff with other qualified staff with minimum notice. This is possible only because we offer such a large pool of available qualified personnel.

G.4 | Training of Personnel

In order to serve our clients in the best possible way, D&B/KSE JV and its subconsultants invest substantial resources in training construction personnel. We believe that money spent on training is essential in providing high quality services and earning repeat business from clients.

In order to comply with the current ICC Special Inspector Certification training requirements, D&B/KSE JV provides continuous training certification courses to our full-time construction professionals. These training courses include, but are not limited to:

- ✓ Structural Steel - Erection & High-Strength Bolting
- ✓ Concrete
- ✓ Soils - Fill Placement
- ✓ Pile & drilled pier installations
- ✓ Pier Foundations
- ✓ Underpinning
- ✓ Excavation - sheeting, shoring, and bracing
- ✓ Mechanical systems

G.5 | Management Information Systems

The use of management information systems allows us to monitor and control project elements. The D&B/KSE JV Team will monitor project status by reviewing the following: task progress; project progress; project expenditure; overall schedule vs. budget conformance; schedule status; and budget status.

The above elements will be utilized to monitor achievement of milestones, recognize project constraints, and highlight problem areas. If at any time a problem is observed, we will review the situation, formulate a solution if required and timely communicate the information to the PANYNJ representative. \

G.6 | Schedule Control

Based on the project objectives and milestones specified in the scope of work, the baseline schedule will be closely monitored. This schedule will indicate project status and the milestone deadlines. By reviewing the schedule, **D&B/KSE JV** will be able to identify potential problem areas and take corrective action before delays or cost overruns occur. Schedule control reinforces the meeting of project milestones while providing a continuous updated status of the work effort.

G.7 | Budget Control

Estimating the task/activity expenditures on a staffing basis monitors the cost plan. Expenditures will be compared to the estimated cost of the task order. This system allows D&B/KSE JV to carefully monitor costs associated with the CM elements of the project.

G.8 | Coordination with the PANYNJ

A major component of this contract requires continual communication with the PANYNJ. Coordination is required for the scheduling of any task orders and the assignment of proper personnel. Client coordination will be maintained through periodic client meetings and the issuance of progress reports throughout the duration of the contract.

G.9 | Open-Door Client/Consultant Visitation Policy

Throughout the course of the contract, **D&B/KSE JV** will welcome office visits by PANYNJ representatives. Besides the continual communication which D&B/KSE JV will be providing for project assignments, this policy will allow the PANYNJ to obtain information on project status as may be required, to interject comments, and to freely review D&B/KSE JV's status throughout the course of the program.

G.10 | Understanding and Management of Technical Services to be Provided

As mentioned previously, the RFP lists four major tasks for potential assignments. Specifically, the following four tasks are:

1. Construction Inspection Services
2. Construction Contract Administration
3. Constructability Review
4. Cost Engineering / Estimating

The following is our management approach to the performance of these four tasks.

Construction Inspection Services

Our field personnel will follow established procedures of the client's construction inspection manual. **D&B/KSE JV** also has a quality assurance manual, which describes particular duties for each position on an inspection team. Since this a call-in contract, each call-in assignment must be handled individually. When the PANYNJ calls for an assignment, we will review information regarding: scope of work; length of assignment; timing of the work; location; level of personnel required; specifics of the assignment (building, roadway, drainage, electrical, mechanical, etc.); staff available for the assignment; and existing site conditions.

We then evaluate these factors and discuss the issues with the PANYNJ project manager. Based on the scope of work from the PANYNJ, our project manager will develop a detailed staff-hour estimate and cost proposal for the PANYNJ's review and approval. If required, we will modify the staff-hour estimate based upon the comments received from the PANYNJ project manager. Upon approval of the cost proposal and receipt of the notice-to- proceed from the PANYNJ for a specific assignment, our project manager will mobilize approved personnel to the project site for the entire duration of the assignment.

We will submit the resumes of suitable candidates for approval of PANYNJ project manager or authorized representative. If requested by the PANYNJ, we will arrange interviews for our proposed personnel by the PANYNJ representatives

Once the submission is approved, we will meet with the anticipated staff to discuss the assignment and the expected deliverables in depth. We will discuss issues with the inspection staff such as: description of the work to be completed by the contractor; material to be used; construction details; method of measurement for items to be incorporated into the work; and the basis of payment for the items of work.

Construction Contract Administration

This task deals specifically with the documentation required to administer the work performed by the contractor at the job site.

The contract administrator, sometimes referred to as the office engineer (OE), is critical to the success of the project. It is the OE's responsibility to literally track every piece of paper that enters and exits the field office. This includes but is not limited to: shop drawings; daily inspector reports; material certifications; correspondence (incoming and outgoing); laboratory reports; monthly payment estimates; record plans maintenance; catalogue cuts; transmittals; RFIs (Requests for Information); and EEO documentation.

CPM Scheduling

The detailed CPM schedules submitted by the contractor for procurement, construction, and installation will form the basis for monitoring the progress of the work. On a bi-weekly basis, the Assistant Resident Engineer and scheduling personnel will meet with the contractors to assess schedule progress and identify problem areas using the detailed schedules. The construction contract documents will include the necessary language to require the contractor to prepare, maintain and update detailed progress schedules in a manner consistent with the Project Construction Schedule prepared by the **D&B/KSE JV** Team.

Once a month, the contractor will be required to generate CPM analysis reports, which will be reviewed against the summary project schedules to identify variances possibly requiring development of work-arounds or other corrective actions. The **D&B/KSE JV** Team will provide a complete analysis of the contractor's monthly submittal for presentation to the Authority. Team members will work closely with the contractor to develop alternative approaches to the work schedule, as situations may require. We will assist the contractor in correcting any schedule deficiencies to help expedite progress.

Constructability Reviews

- ✓ What is the work to be done?
- ✓ When is this work to be done?
- ✓ Where is the work to be done?
- ✓ Who will perform the work?
- ✓ What Materials and Equipment are required to perform the work?
- ✓ Will the safety of all persons in the vicinity of the project and facilities maintained properly?

The **D&B/KSE JV** engineer performing the constructability review on a set of plans asks each of these questions. The D&B/KSE JV engineer will make site visits to the work location, interview the affected parties at the site to determine their needs and requirements, contact material and equipment suppliers and review the staging of the work for potential impacts. By further defining the answer to these questions for each specific project task, management is given the opportunity to utilize the proper resources to accomplish a successful end result.

When an engineer from our staff begins a constructability review, he/she looks at the project in total from both the engineer's point of view and the contractor's point of view.

Questions to be considered include:

- ✓ Can equipment properly access the site to build what is required?
- ✓ How will materials be transported to the work area?
- ✓ Is there sufficient workspace available to do the work?
- ✓ Are working easements required?
- ✓ Is the staging appropriate?
- ✓ Does the schedule logic make sense? Are the successors and predecessors for activities realistic?
- ✓ Is the time frame for the project realistically achievable?
- ✓ Is sufficient material available to do the work in the time specified?
- ✓ Are there items specified with long lead times?
- ✓ Can all operations be performed according to OSHA and the PANYNJ's safety rules and regulations?

"What-if" scenarios are also developed to deal with unanticipated events.

Cost Engineering / Estimating

For assignments requiring this task, an engineer's estimate will be prepared in standard spreadsheet format. **D&B/KSE JV** possesses and maintains a large database of the recent contractor bid unit prices from various state departments and agencies. This database includes the most recent versions of NYSDOT and NJDOT bid price reports. Engineers performing these estimates develop their own independent quantity take-offs to verify that the quantities established by the designer are realistic.

G.11 | Quality Management Program (QMP)

Since our staff will work at the PANYNJ facilities and report to the PANYNJ supervisors, we anticipate our staff will utilize the Port Authority Quality Assurance / Quality Control procedures. We would, however, like to briefly describe the Quality Management Program that **D&B/KSE JV** practices in-house for our project-specific contracts.

The QMP at **D&B/KSE JV** is multifaceted and depends upon many individuals to ensure that it runs properly. There are three main steps involved as follows:

Step 1 - The program begins when we decide to respond to an RFP. Can we provide the service(s) the client is seeking? If we answer "YES", the first step in our QMP has been met successfully.

Step 2 - Most important to **D&B/KSE JV** is the final product our field personnel provide to the client. This includes our Project Manager, who prepares the project-specific QMP with input from the Construction Manager, Construction Administrator, Construction Inspectors, Field Engineers, Schedulers/Estimators and Safety Engineers. It is their responsibility to follow our plan and the contract to achieve the level of service and quality of final product expected by the client. The main office will provide the field personnel with the tools they require to do their job accurately and efficiently, but it eventually falls on them to produce the necessary required results. It is our field personnel who have the means and methods to provide the client with the proper documentation of the work being performed by the contractor and to monitor the work for overall quality and substantial conformance to the requirements of the project's plans and specifications. Our field personnel will use the appropriate manuals and follow the appropriate procedures to provide the service and quality the client needs and expects.

Step 3 - On a monthly basis, our QMP Manager will review the performance of project personnel. He will review project documentation to verify that appropriate procedures of the client manual are being followed. The QMP Manager accomplishes this by reviewing various aspects of the contract for compliance. These include: checking that appropriate client procedures are followed; quantity control of various contract items are tracked against potential overruns; proper placement procedures are used for material incorporated into the project; items used on the project meet the material acceptance criteria; proper testing procedures are followed; lines of communication are both effective and properly used; computations are correct and checked; and we are meeting our contractual requirements for the client.

Subsequent to the monthly review by the QMP Manager, a written report is generated and given directly to the president. This report details project progress, how well project personnel are adhering to the QMP, and what, if anything, needs to be done to get project personnel back in sync with the program. The QMP Manager reports directly to the president and does not report to the project manager of the specific project or to the project personnel. With this independent check of our project personnel, we are confident that we provide the expected level of service and meet our contractual obligations in a timely and professional manner.

G.12 | Summary

D&B/KSE JV has successfully provided "Call-In" services to many public agencies in the tri-state area. D&B/KSE JV currently has personnel working as part of our existing Call-In Agreement with the PANYNJ. This type of work is an integral part of our business; it is not a sideline. We have successfully performed this type of work assignment previously on many occasions and look forward to working with the PANYNJ on this call-in contract.

THE PORT AUTHORITY OF NY & NJ

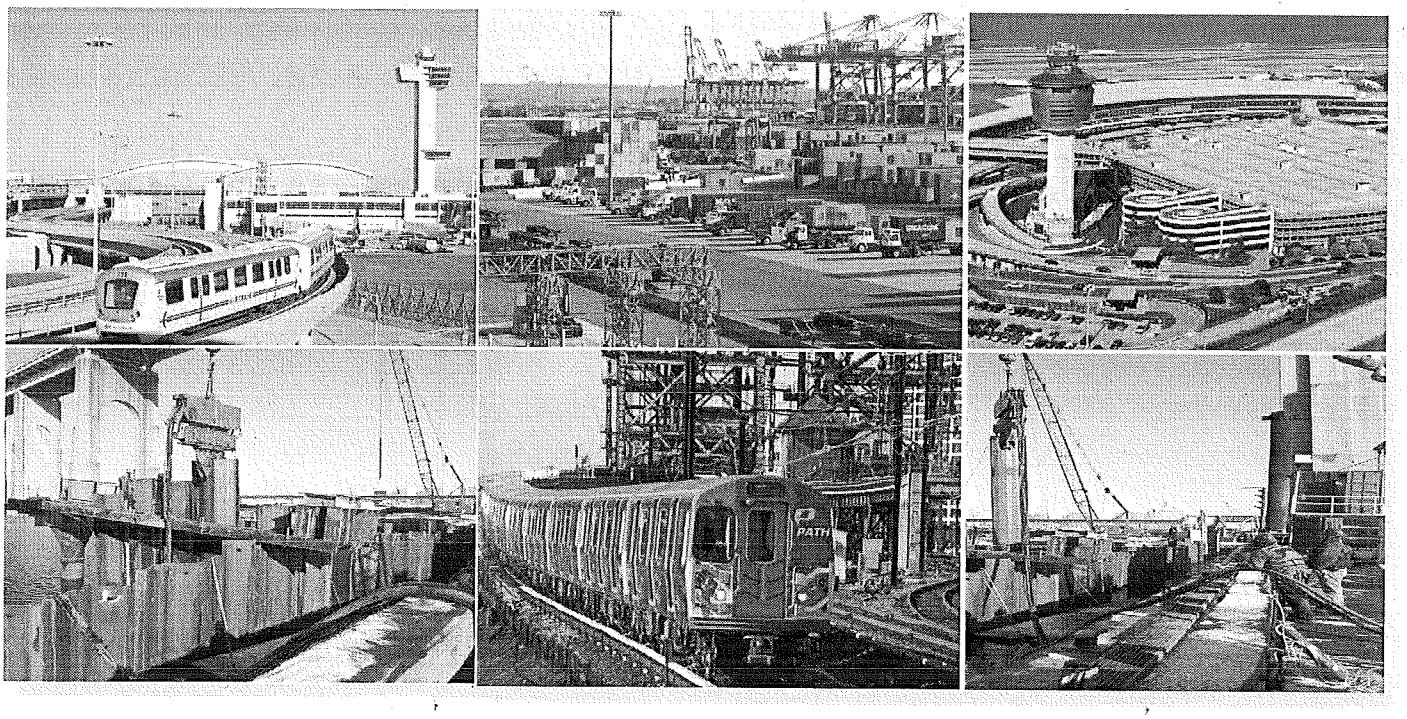
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section H

Complete List of Firm's Affiliates



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DAVIDSA AND BARTHOLOT CONSULTING ENGINEERS

KSE KS Engineers, P.C.

H | Complete List of Firm's Affiliates

The complete list of affiliates for Joint Venture Partner, ***D&B Engineers and Architects, P.C.,*** are provided below. Joint Venture Partner, ***KS Engineers, P.C.,*** does not have any affiliates.

Joint Venture Partner:
D&B Engineers and Architects, P.C.*
330 Crossways Park Drive
Woodbury, NY 11797
Tax ID #:

D&B/Guarino Engineers, LLC - a Subsidiary of D&B (Exceeds $300,000+/year)
8 Neshaminy Interplex, Suite 219
Trevose, PA 19053
Tax ID #:

D&B Environmental Associates, LLC – an Affiliate of D&B (falls below $300,000/year)
330 Crossways Drive
Woodbury, NY 11797
Tax ID #:

D&B Engineers, LLC (For use with Connecticut based projects) an Affiliate of D&B (falls below $300,000/year)
330 Crossways Park Drive
Woodbury, NY 11797
Tax ID #:

*Branch Offices have the Tax ID Number:

D&B Engineers and Architects, P.C.
5879 Fisher Road
East Syracuse, NY 13507

D&B Engineers and Architects, P.C.
3000 Hadley Road
South Plainfield, NJ 07080

D&B Engineers and Architects, P.C.
4 West Red Oak Lane
White Plains, NY 10604

Joint Venture Partner:
KS Engineers, P.C.
494 Broad Street, 4th Floor
Newark, NJ 07102

THE PORT AUTHORITY OF NY & NJ

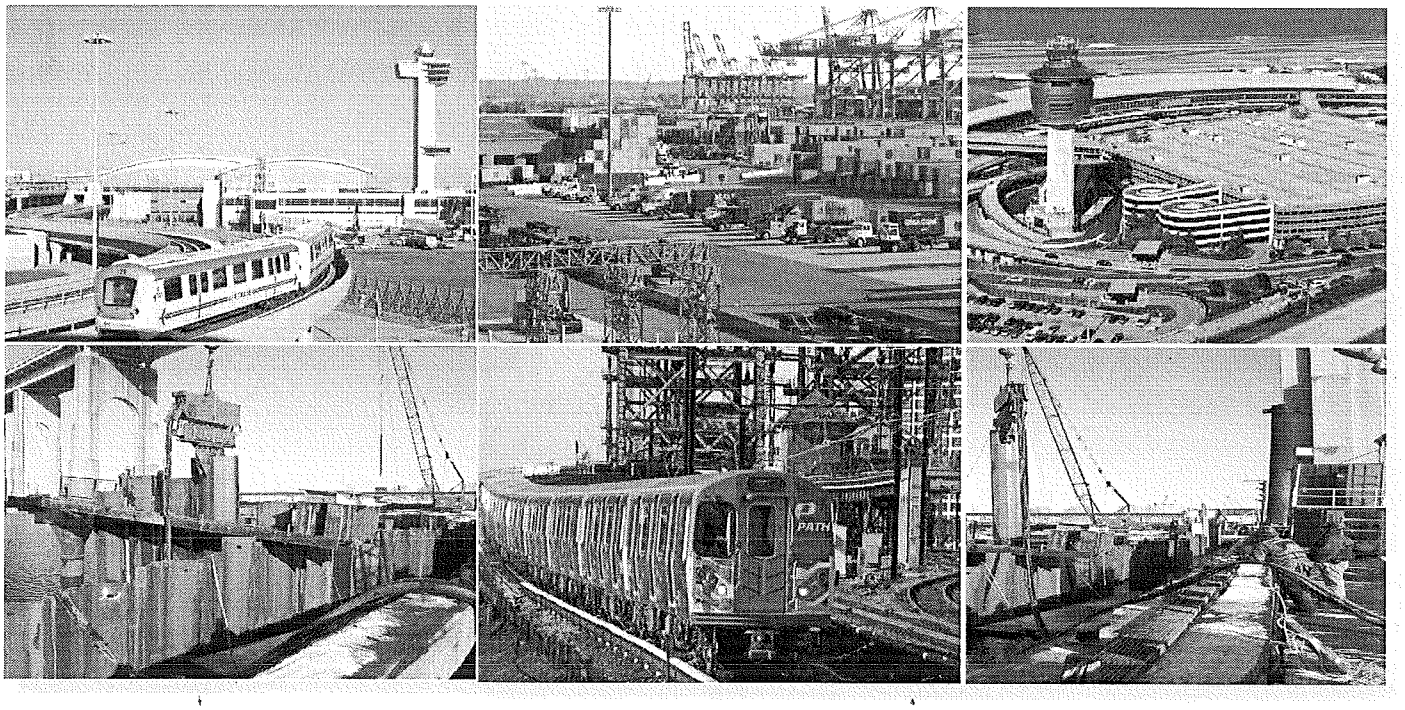
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section I

Conflict of Interest



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

KSE KS Engineers, P.C.

I | Conflict of Interest

To the best of our knowledge and belief, the D&B Engineers and Architects, P.C. and KS Engineers, P.C., Joint Venture Team (D&B/KSE JV Team), or any employee, agent or subcontractor of the D&B/KSE JV Team, are not aware of any conflict of interests (general and organizational) at the present time, and will immediately notify the Port Authority of New York and New Jersey if any such information is discovered. The D&B/KSE JV Team also understands that we must address the items/concepts listed in the RFP when a conflict or the appearance of a proposed conflict of interest may exist in the future.

THE PORT AUTHORITY OF NY & NJ

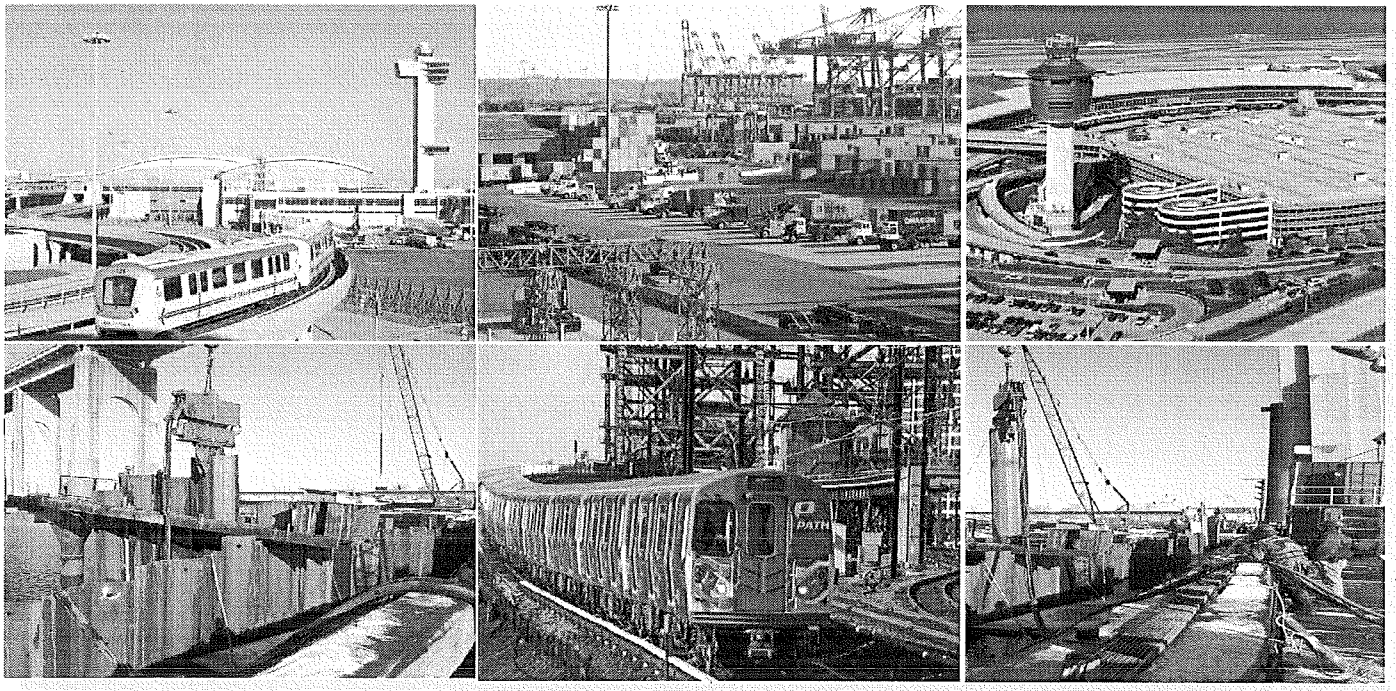
Proposal for:

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP Number 39247

Section J

Compliance with Standard Agreement and its Terms and Conditions



JOINT VENTURE

D&B ENGINEERS AND ARCHITECTS, P.C.
KNOWN AS DVIRKA AND BARTILUCCI CONSULTING ENGINEERS

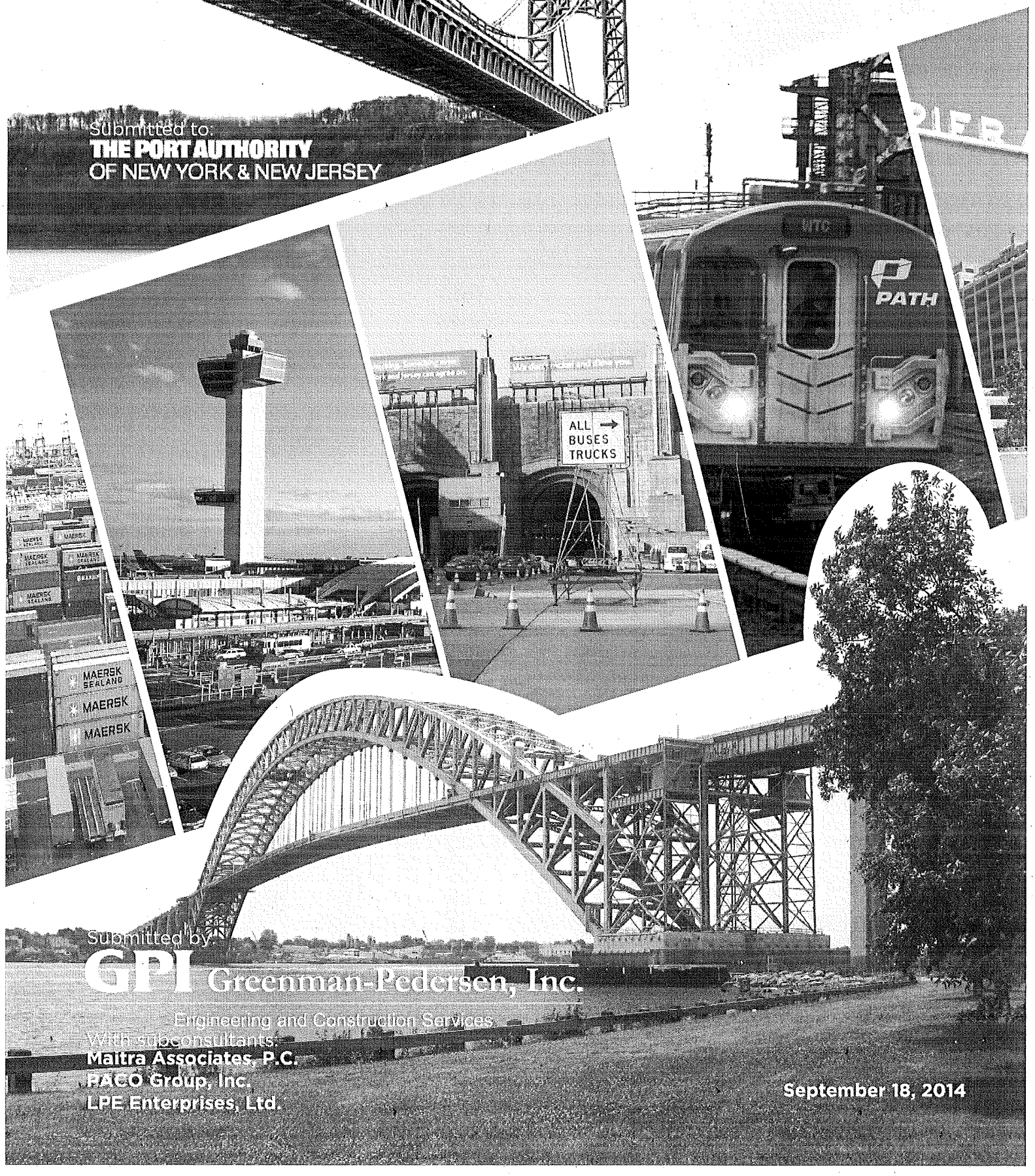
KSE KS Engineers, P.C.

J | Compliance with Standard Agreement and its Terms and Conditions

The D&B Engineers and Architects, P.C. and KS Engineers, P.C. Joint Venture Team will comply with the requirements of the standard agreement and its terms and conditions set forth in 'Attachment A' of the Authority's standard agreement.

Technical Proposal for

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018 – RFP No. 39247



Submitted to:

THE PORT AUTHORITY OF NEW YORK & NEW JERSEY

Submitted by:

GPI Greenman-Pedersen, Inc.

Engineering and Construction Services

With subconsultants:

Maitra Associates, P.C.

PACO Group, Inc.

LPE Enterprises, Ltd.

September 18, 2014

Proposal to:

THE PORT AUTHORITY OF NY & NJ

for

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP No. 39247

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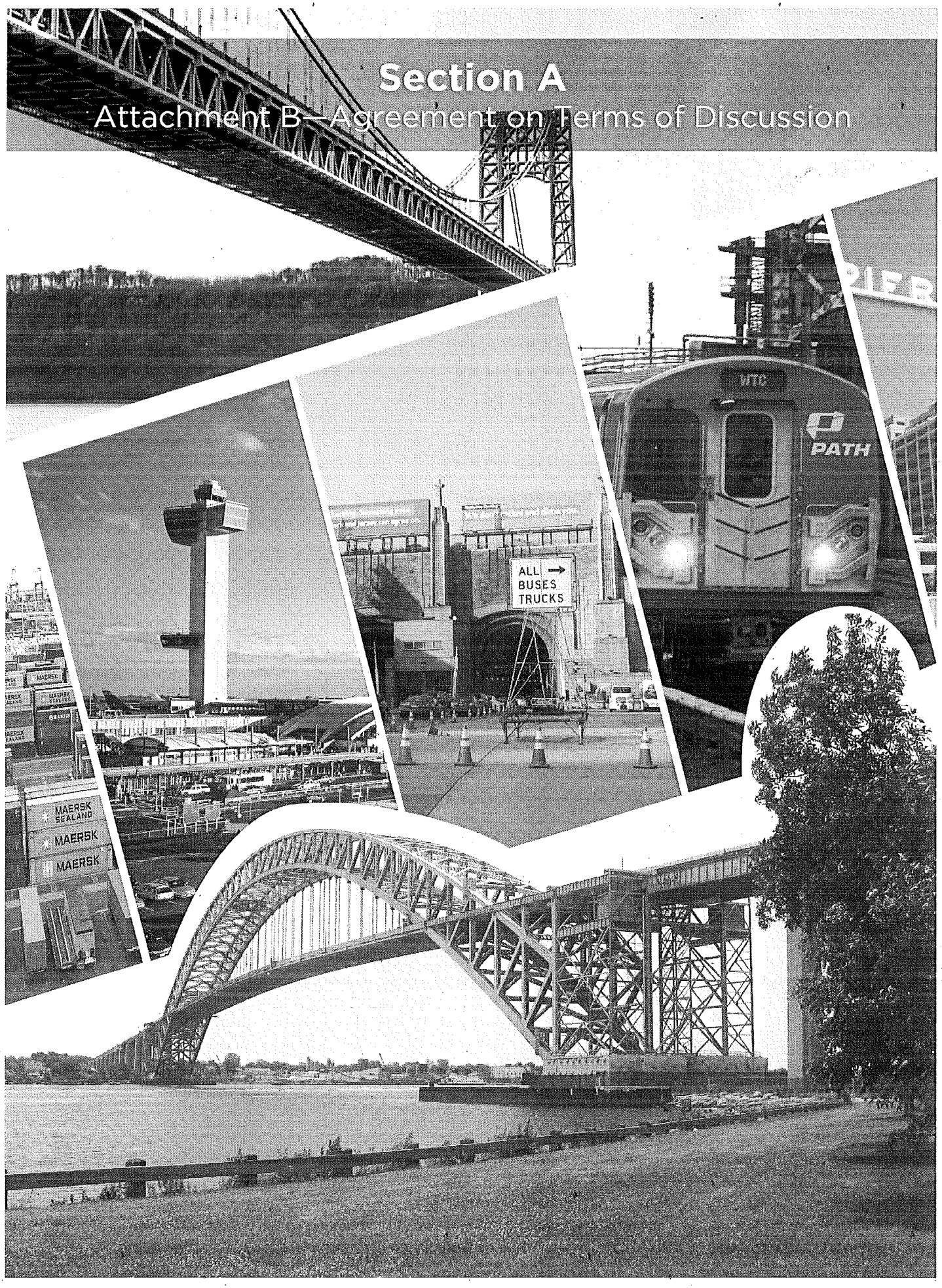
Section J	Statement on Agreement to the Standard Agreement and its Terms and Conditions

Section A

Attachment B—Agreement on Terms of Discussion



ATTACHMENT B

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Greenman-Pedersen, Inc.
(Company)

(Signature) M. Denise Carter, P.E.

Sr. Vice President/Branch Manager
(Title)

September 17, 2014
(Date)

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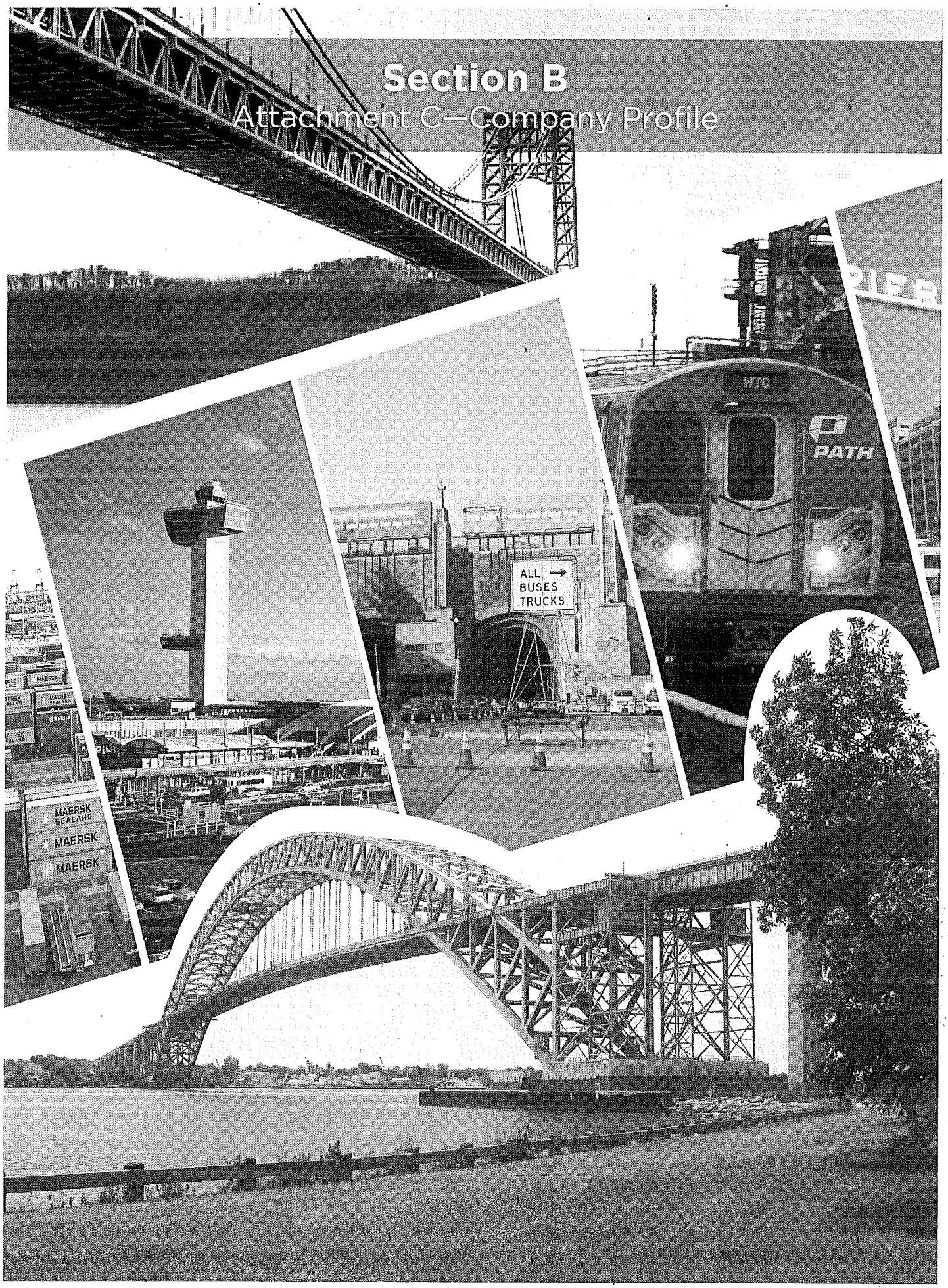
Section B
Attachment C—Company Profile



ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):
   Greenman-Pedersen, Inc.

2. Business Address (to receive mail for this RFP):
   325 West Main Street

   Babylon, NY 11702

3. Business Telephone Number: 631-587-5060

4. Business Fax Number: 631-661-5784

5. Firm website: www.gpinet.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 10 / 01 / 1966

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):
   Affiliate: GPI Land Surveying & Engineering LLP
   325 West Main Street, Babylon, NY 11702 | EIN [redacted]
   Subsidiaries: Keller & Kirkpatrick, Inc. | EIN [redacted] Corrosion Control Consultants & Labs, Inc. | EIN [redacted]
   301 Gibralter Dr., Morris Plains, NJ 07980 4403 Donker Ct. S.E., Kentwood, MI 49512

9. Officer or Principal of Firm and Title:
   M. Denise Carter, P.E., Sr. Vice President/Branch Manager

10. Name, telephone number, and email address of contact for questions:
    M. Denise Carter, P.E. | 631-761-7394 | dcarter@gpinet.com

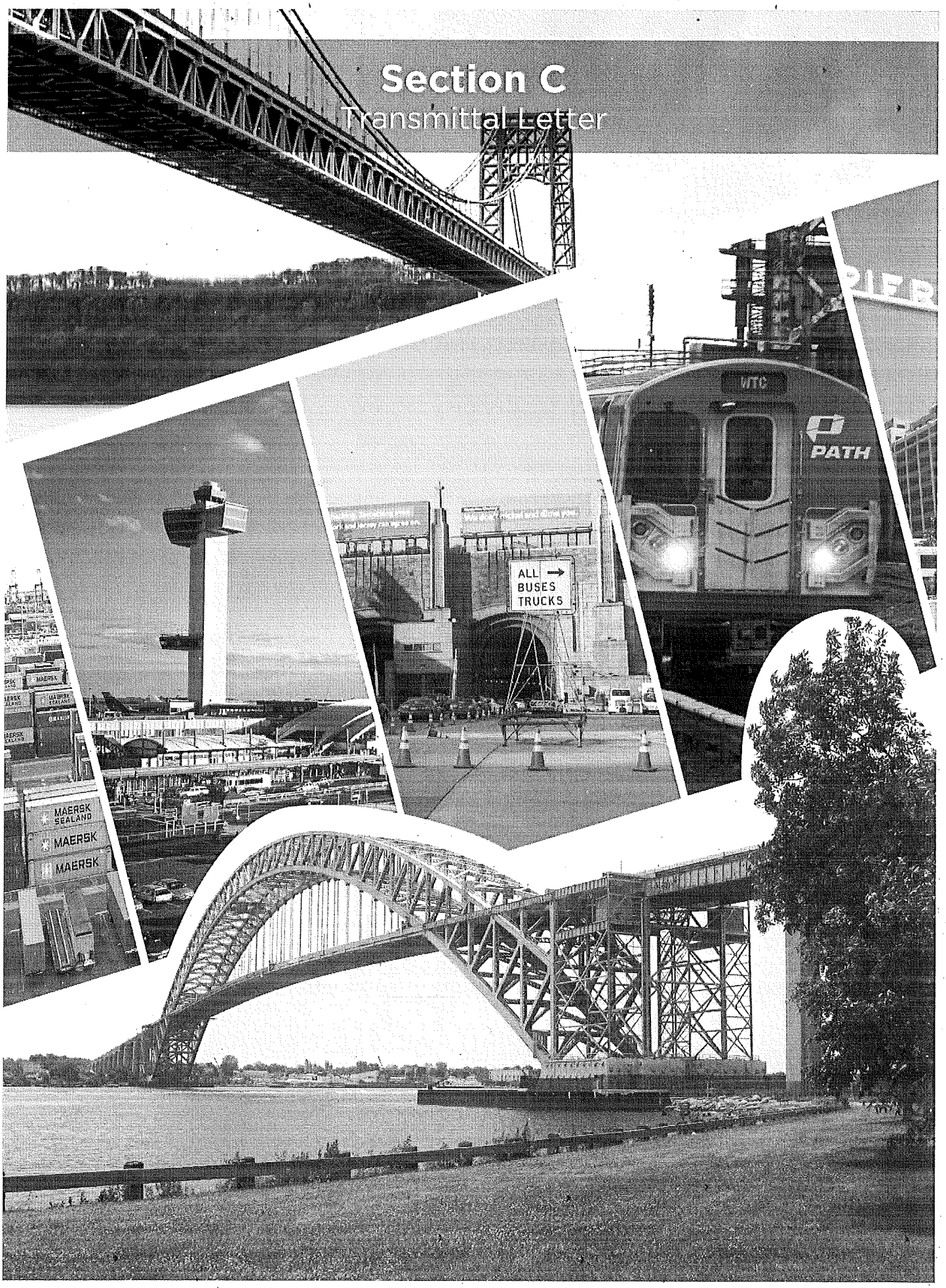
    Gregory Zenk, P.E. | 631-761-7368 | gzenk@gpinet.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes (No)

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

Section C
Transmittal Letter



GPI **Greenman - Pedersen, Inc.**

Engineering and Construction Services

September 18, 2014

Port Authority of New York and New Jersey
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302

ATTN: RFP Custodian

RE: Proposal for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018
RFP Number 39247

Ladies and Gentlemen:

Exceptional skilled staff with extensive Port Authority of NY & NJ (Authority) experience is what the Greenman-Pedersen, Inc. (GPI) team offers the Authority for this "Call-In" contract. The proposed GPI team, which includes Maitra Associates, P.C. (MBE), PACO Group, Inc. (MBE), and LPE Enterprises, Ltd. (WBE), has been successfully providing construction management and inspection services since 2006 under two contracts. GPI itself has been providing construction management services to the Authority since 2002. This team knows the various Authority facilities and is readily available for assignments from 2015 through 2018, and we are excited and appreciative of the opportunity to continue providing these services.

Specifically, to address the requirements of the RFP, we offer the following:

A. FIRM EXPERIENCE

1. ***Must have an office in the New York/New Jersey Metropolitan Area and must have at least 50 individuals on staff experienced in performing construction management and/or construction inspection services in the New York/New Jersey Metropolitan Area.***

   Greenman-Pedersen, Inc. has offices in New York and New Jersey, staffed with 198 construction managers and inspectors – ***the largest single source of construction inspection professionals in the NY/NJ region!*** In New York, GPI's offices include Jamaica, Queens, and Babylon, Long Island (the firm's headquarters); in New Jersey, GPI's offices are located in Lebanon and Ocean View. Similar to previous Port Authority of NY & NJ On-Call construction management contracts, work for this project will be managed from GPI headquarters located at 325 West Main Street, Babylon, NY. This office has 208 professionals on staff, 100 of which provide construction management and inspection. As needed, GPI will also call upon personnel from its New Jersey offices, which are staffed with 98 inspectors.

2. **Firms must have a Certificate of Authorization to practice Professional Engineering in the states of New York and/or New Jersey.**

   Greenman-Pedersen, Inc. has Certificates of Authorization to practice professional engineering services in both New York and New Jersey. Copies of these certificates follow this letter.

GPI

B. STAFF EXPERIENCE

Construction Inspection staff shall be experienced in performing construction inspection services in at least one of the following disciplines: Civil, Structural, Electrical and Mechanical Engineering; and shall include the following:

1. At least 10 engineers/ architects licensed in the states of New York and/or New Jersey	41
2. At least 10 must be ACI Concrete Construction Special Inspectors	13
3. At least 3 must be ICC Certified as Structural Steel and Bolting Inspectors	17
4. At least one must be NACE 1 coatings certified	35

** Please see Section E1, for the GPI Team Personnel Matrix which further elaborates on the credentials of our proposed staff. Resumes for these individuals are also included in Section E1 of this document.*

Our proposed project manager is **Gregory Zenk, P.E.**, GPI's director of construction inspection services. Mr. Zenk has served as project manager on a wide variety of construction projects throughout the New York City area. For the last 12 years, during three consecutive indefinite quantity, on-call agreements, Mr. Zenk has been performing in this very capacity; first under our 2002-2006 TB&T services agreement and then under the general 2006-2010 and our current 2011-2014 agreements. He has been instrumental in working with the Authority on addressing technical issues and directing resources to Authority needs, and he clearly understands the delicate balance and unique relationship that must be maintained between facility operations and engineering and construction rehabilitation projects to keep things running smoothly. Most importantly, Mr. Zenk has been working closely with the Authority's Engineer of Construction for more than a decade, assisting with staffing and providing other critical resources needed for construction management of rehabilitation work totaling more than $350 million.

GPI will meet the required MBE/WBE goals of 12% and 5%, respectively, with the talented firms on our team.

Our proposal demonstrates that we have the depth of experienced staff as well as GPI's solid background in construction management and inspection with the Port Authority and other New York metropolitan area transportation agencies. We are extremely interested in continuing our professional relationship with the Port Authority of New York & New Jersey by providing quality construction management and inspection services and thank you for your consideration.

Sincerely,

GREENMAN-PEDERSEN, INC.

M. Denise Carter, P.E.
Senior Vice President/Branch Manager

NEW YORK STATE EDUCATION DEPARTMENT

EACH CORPORATION LAWFULLY PRACTICING THE PROFESSION INDICATED HEREON MUST CONSPICUOUSLY DISPLAY THIS CERTIFICATE IN ITS PRINCIPAL OFFICE AT ALL TIMES AS AUTHORITY TO PRACTICE DURING THE CURRENT PERIOD
(In the event of a change of address return this certificate for correction)

THIS IS TO CERTIFY THAT

GREENMAN PEDERSEN INC
325 WEST MAIN STREET
ATTN MICHELE BOBICH
BABYLON NY 11702-0000

HAVING MET THE STATUTORY REQUIREMENTS OF THE STATE OF NEW YORK IS REGISTERED FOR THE PRACTICE OF PROFESSIONAL ENGINEERING

Triennium Ends: October 31, 2015 Serial No. 99131

Signature of Chief Executive Officier

PRESIDENT OF THE UNIVERSITY AND COMMISSIONER OF EDUCATION

Read instructions on reverse side

State of New Jersey

Division of Consumer Affairs

State Board of Professional Engineers and Land Surveyors

THIS CERTIFIES THAT

GREENMAN-PEDERSEN, INC.
100 Corporate Drive
Suite 301
Lebanon NJ 08833

Has met the requirements of the State Board of Professional Engineers and Land Surveyors and is hereby issued a

CERTIFICATE OF AUTHORIZATION

to offer the following services

Eng,Land Surv & Building Design Svc 07/09/2002

Person in Responsible Charge GARY T ETTER

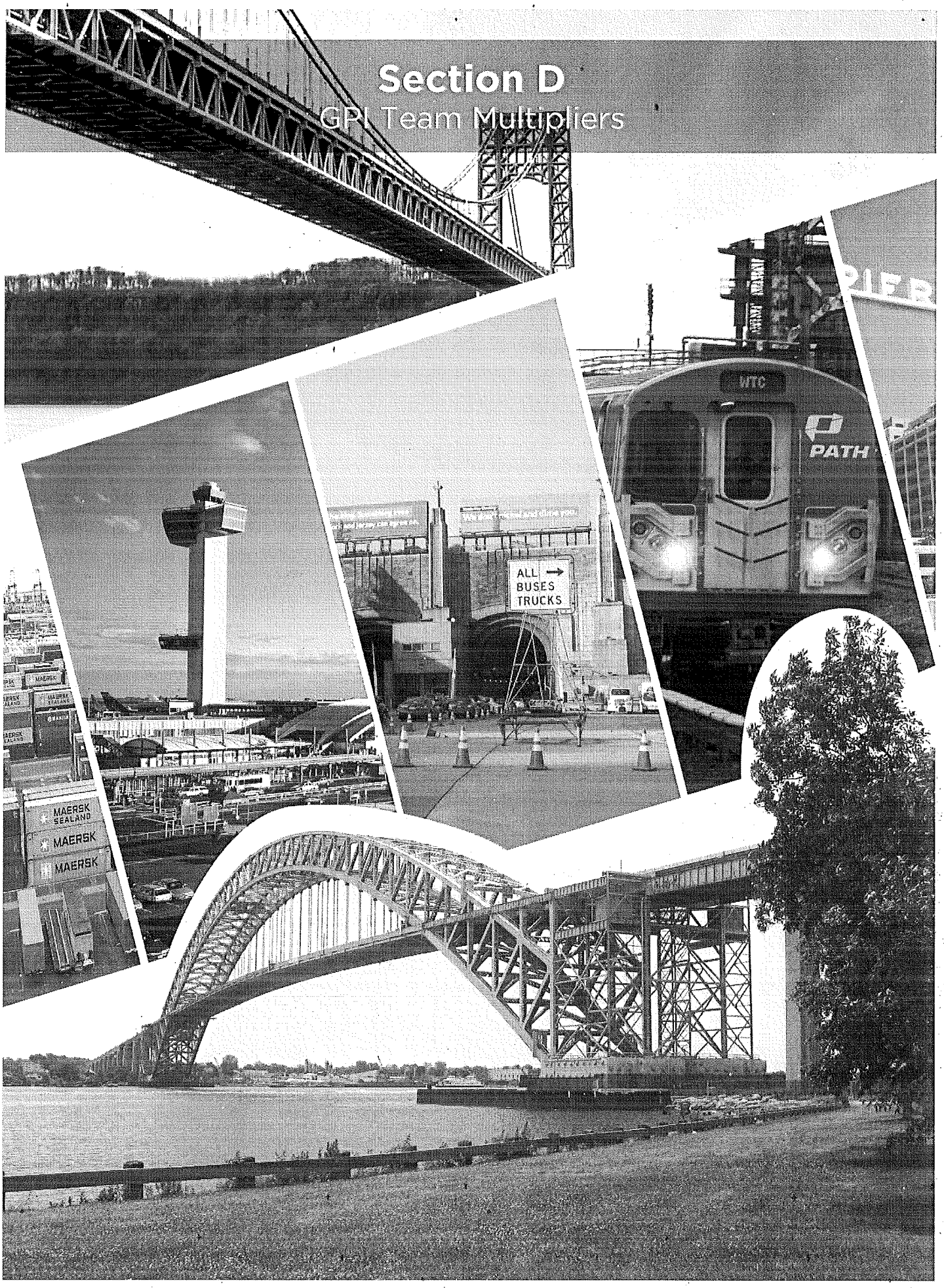
For the names of other Responsible Charge Licensees, go to: http://www.njconsumeraffairs.com/pels/certrpt.pdf

Date: August 8, 2014
Certificate No. 24GA27959500
Expiration Date: 08/31/2016

Executive Director

Section D

GPI Team Multipliers



Section D -- GPI Team Multipliers
Performance of Expert Professional Construction Management and
Inspection Services as Requested on a "Call-In" Basis
During 2015 through 2018, RFP Number 39247

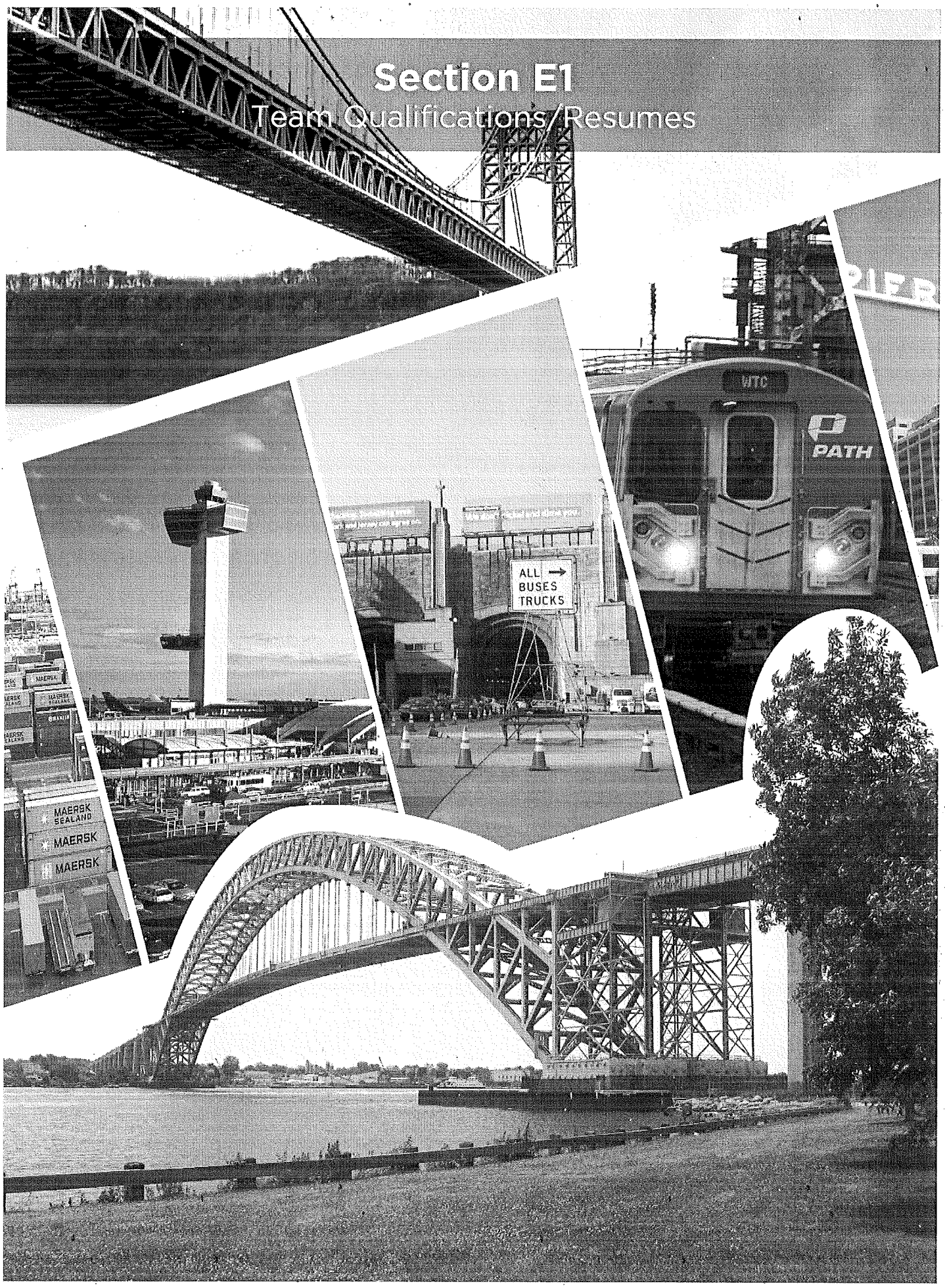
GREENMAN - PEDERSEN, INC.	
HOME OFFICE MULTIPLIERS	
Direct Labor	1.00
Home Office Overhead	1.39
Profit (@ 8 %)	0.08
Total Home Office Multiplier	2.58
FIELD OFFICE MULTIPLIER	
Direct Labor	1.00
Field Office Overhead	0.96
Profit (@ 8 %)	0.08
Total Field Office Multiplier	2.12

MAITRA ASSOCIATES, P.C.	
HOME OFFICE MULTIPLIERS	
Direct Labor	1.00
Home Office Overhead	1.36
Profit (@ 10 %)	0.10
Total Home Office Multiplier	2.60
FIELD OFFICE MULTIPLIER	
Direct Labor	1.00
Field Office Overhead	1.03
Profit (@ 10 %)	0.10
Total Field Office Multiplier	2.23

PACO GROUP	
HOME OFFICE MULTIPLIERS	
Direct Labor	1.00
Home Office Overhead	1.45
Profit (@ 10 %)	0.10
Total Home Office Multiplier	2.70
FIELD OFFICE MULTIPLIER	
Direct Labor	1.00
Field Office Overhead	1.03
Profit (@ 10 %)	0.10
Total Field Office Multiplier	2.23

LPE ENTERPRISES, LTD.	
HOME OFFICE MULTIPLIERS	
Direct Labor	
Home Office Overhead	
Profit (@ %)	
Total Home Office Multiplier	
FIELD OFFICE MULTIPLIER	
Direct Labor	1.00
Field Office Overhead	0.86
Profit (@ 10 %)	0.10
Total Field Office Multiplier	2.05

Section E1
Team Qualifications/Resumes



GPI TEAM PERSONNEL EXPERIENCE MATRIX

GPI - Greenman-Pedersen, Inc.
PACO - PACO Group, Inc. (MBE)
MA - Maitra Associates, P.C. (MBE)
LPE - LPE Enterprises, Ltd. (WBE)

NAME	FIRM	YRS. EXP.	NY/NJ Licensed	PANY/NJ Experience	ACI Concrete Construction Special Inspector	ICC Certified Structural Steel and Bolting Inspector	NA CE Level 1	Greater NY/NJ Experience	Other Qualifications
PROJECT MANAGEMENT									
Gregory Zenk, P.E.	GPI	29	✓	✓			✓	✓	OSHA 10-Hr. Safety Course
M. Denise Carter, P.E.	GPI	32	✓	✓				✓	OSHA 10-Hr. Safety Course
James Valenti, P.E.	GPI	27	✓				✓	✓	OSHA 30-Hr. Health & Safety
CONSTRUCTABILITY REVIEWS / TECHNICAL SPECIALISTS									
Frank Gallo, P.E.	GPI	56	✓	✓				✓	OSHA 10-Hr. Safety Course
Anthony Grosso, P.E.	GPI	37	✓					✓	OSHA 10-Hr., SSPC C-5
Christopher Farschon, P.E.	GPI	22	✓				✓	✓	SSPC C-3 Competent Person
William Ferdinandsen, P.E.	GPI	26	✓					✓	OSHA 10-Hr. Safety Course
Thomas Napolitano, P.E.	GPI	28	✓				✓	✓	OSHA 30-Hr. Health & Safety
James Tarpey, P.E.	GPI	41	✓					✓	OSHA 10-Hr. Safety Course
CONSTRUCTION MANAGERS & RESIDENT ENGINEERS									
Muhammad Ansari, P.E.	GPI	24	✓						SSPC C-6, NHI Bridge Insp.
Jeffrey Brugge, P.E.	GPI	17	✓				✓	✓	OSHA 30-Hr. Safety & Health
Daniel Chasse, P.E.	GPI	20	✓				✓	✓	OSHA 10-Hr. Safety Course
Ilya Gologorskiy, P.E.	GPI	28	✓				✓	✓	OSHA 10-Hr. Safety Course
Robert Leo, P.E.	GPI	19	✓				✓	✓	OSHA 10-Hr. Safety Course
Marc Matalon, P.E.	GPI	27	✓	✓			✓	✓	OSHA 10-Hr. Safety Course
Jimmy Moorey, P.E.	GPI	7	✓	✓				✓	OSHA 10-Hr. Safety Course
Neophytos Neophytou, P.E.	GPI	24	✓				✓	✓	OSHA 10-Hr. Safety Course
Douglas Reese, P.E.	GPI	30	✓				✓	✓	OSHA 10-Hr. Safety Course
Brendan Scahill, P.E.	GPI	30	✓				✓	✓	OSHA 10-Hr. Safety Course
Richard Seamon, P.E.	GPI	28	✓	✓				✓	NJSAT
Jayendra Shah, P.E.	GPI	31	✓					✓	OSHA 10-Hr. Safety Course
Philip Trapani, P.E.	GPI	29	✓				✓	✓	OSHA 10-Hr., NETTCP
Guerman Vainblat, P.E.	GPI	33	✓			✓	✓	✓	OSHA 10-Hr. Safety Course
ASSISTANT RESIDENT ENGINEERS / FIELD ENGINEERS									
Aleksandr Belov, P.E.	MA	30	✓	✓				✓	OSHA 10-Hr. Safety Course
Vincent Bucci, P.E.	MA	35	✓					✓	NJDCA SpInspector for Concrete Plcmt
John Chiang, P.E.	GPI	7	✓	✓		✓			OSHA 10-Hr. Safety Course
George Davis, P.E.	GPI	39	✓					✓	OSHA 10-Hr. Safety Course
Manthan Desai, ASCE III	GPI	6							OSHA 10-Hr. Safety Course
John Goon, ASCE III	GPI	28		✓					OSHA 10-Hr. Safety Course
Brian Gormley, EIT	GPI	4		✓		✓		✓	OSHA 10-Hr. Safety Course
Joseph Greenman, EIT	GPI	34		✓				✓	OSHA 10-Hr. Safety Course
Rafi Hamid, P.E.	PACO	27	✓					✓	
Yazeed Khayyat, P.E.	PACO	27	✓					✓	
Alfred Johnson, P.E.	MA	32	✓	✓				✓	OSHA 10-Hr. Safety Course
Gregory Lau, ASCE III	GPI	22						✓	OSHA 10-Hr. Safety Course
Barry Matarangas, P.E.	GPI	32	✓					✓	OSHA 10-Hr. Safety Course

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MA - Maitra Associates, P.C. (MBE)
LPE - LPE Enterprises, Ltd. (WBE)

NAME	FIRM	YRS EXP.	NY/NJ Licensed	PANY/NJ Experience	ACI Concrete Construction Special Inspector	ICC Certified Structural Steel and Bolting Inspector	NA CE Level 1	Greater NY/NJ Experience	Other Qualifications
Alan Matin, P.E.	MA	25	✓	✓				✓	OSHA 30-Hr. Safety Course
Thomas Moen, EIT	GPI	21		✓			✓	✓	OSHA 10-Hr. Safety Course
Ignacio Ortega, ASCE III	GPI	26		✓				✓	OSHA 10-Hr. Safety Course
Edward Roche, P.E.	GPI	22	✓				✓	✓	NJSAT
Kuldip Sachdev	MA	30		✓				✓	
Saif Salahuddin, P.E.	GPI	20	✓					✓	NJSAT, ACI-CCTC
Jeffrey Schramm, P.E.	GPI	17	✓	✓				✓	OSHA 10-Hr. Safety Course
Jugal Sood, P.E.	PACO	30	✓					✓	OSHA 30-Hr. Safety Course
Phenol Zamor, ASCE III	GPI	20		✓				✓	OSHA 10-Hr. Safety Course
INSPECTORS – Civil/Structural, Mechanical/Electrical, NACE									
Adewale Adesanya	MA	5						✓	
Peter Alley	GPI	29		✓				✓	
Alyson Aulet-Valentine, NIV	GPI	17		✓		✓		✓	OSHA 10-Hr. Safety Course
Bala Balakrishnan	LPE	22		✓				✓	OSHA 10-Hr. Safety Course
Lynnette Baptiste, NII	GPI	9						✓	OSHA 30-Hr. Safety & Health
Emad Bebawy	PACO	20						✓	OSHA 30-Hr. Safety Course
Kenneth Boykin	GPI	44		✓				✓	
Alonzo R. Bryson, NIII	LPE	33		✓				✓	
Wesley Campbell, EIT	GPI	13		✓				✓	OSHA 10-Hr. Safety Course
Garfield Cardinez, NIV	GPI	38						✓	
Mhed Charles, NIV	GPI	42					✓	✓	OSHA 10-Hr. Safety Course
Christopher Colon, NII	GPI	6						✓	OSHA 10-Hr. Safety Course
Luz Coy	GPI	7						✓	OSHA 10-Hr. Safety Course
Gary Crozier, NIV	GPI	37		✓			✓	✓	OSHA 30-Hr. Health & Safety
Camilo Cruz	GPI	7		✓	✓	✓		✓	OSHA 10-Hr. Safety Course
David Cunningham, NIII	GPI	13		✓	✓			✓	OSHA 10-Hr. Safety Course
Majdi El-Taher, NIV	GPI	26						✓	NJSAT
Len Espinar, NIV	MA	25		✓				✓	OSHA 10-Hr. Safety Course
Mauricio Fernandez, NIV	MA	16		✓	✓			✓	OSHA 40-Hrs. Safety Course
Fernando Flores, NIV	GPI	16					✓	✓	OSHA 10-Hr. Safety Course
Dawn Garcia, EIT	GPI	2						✓	OSHA 10-Hr. Safety Course
Nelson Garcia	GPI	15		✓			✓	✓	OSHA 10-Hr. Safety Course
William Godfrey, NIV	GPI	36						✓	OSHA 10-Hr. Safety Course
Washner Guerrier	GPI	9		✓				✓	
Anthony Haran	GPI	2						✓	OSHA 10-Hr. Safety Course
Aleef Hassan	PACO	7						✓	OSHA 10-Hr. Safety Course
Mohammad Imran	PACO	5						✓	OSHA 10-Hr. Safety Course
Steven Jones, NIV	GPI	29						✓	OSHA 30-Hr. Safety & Health
Darryl Kemp, NIV	GPI	27		✓				✓	OSHA 10-Hr. Safety Course
Gabriel Lageyre, NIV	GPI	16		✓				✓	OSHA 30-Hr. Safety & Health
Ken Leo, NIII	GPI	16		✓	✓			✓	OSHA 10-Hr. Safety Course

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William Leong, NIII	GPI	12						✓	OSHA 10-Hr. Safety Course
Ian MacKenzie, EIT	GPI	21						✓	OSHA 10-Hr. Safety Course
Keith Major, NIII	GPI	7				✓	✓	✓	OSHA 10-Hr. Safety Course
Andrea Malenich	GPI	21		✓				✓	OSHA 30-Hr. Safety & Health
Igor Malkovskiy, P.E.	GPI	22		✓				✓	OSHA 30-Hr. Safety & Health
Jeffrey Mando	GPI	17		✓	✓			✓	OSHA 10-Hr. Safety Course
John Marcel, NIV	GPI	25		✓			✓	✓	OSHA 10-Hr. Safety Course
Omont McBride, NII	MA	17		✓	✓	✓		✓	OSHA 10-Hr. Safety Course
Edward McLean	MA	13		✓				✓	OSHA 10-Hr. Safety Course
Wayne McMahon, NIV	MA	40		✓	✓	✓		✓	OSHA 10-Hr. Safety Course
Amit Mukheja	GPI	4					✓	✓	OSHA 30-Hr. Safety & Health
Nico Napoleoni	GPI	1						✓	OSHA 10-Hr. Safety Course
Luis Nina, NIII	GPI	10						✓	
Ido Nissani, NII	PACO	4			✓			✓	OSHA 10-Hr. Safety Course
Abel Njie	MA	20		✓				✓	OSHA 10-Hr. Safety Course
Christopher O'Donnell	GPI	26						✓	NJSAT
John O'Har	GPI	46		✓				✓	OSHA 10-Hr. Safety Course
Marcus Olivo, NIII	GPI	8		✓			✓	✓	OSHA 10-Hr. Safety Course
John Petekiewicz	MA	30		✓	✓	✓		✓	OSHA 10-Hr. Safety Course
Nzinga Porter	GPI	9						✓	OSHA 10-Hr. Safety Course
Richard Procaccio, NIV	GPI	14					✓	✓	OSHA 30-Hr. Safety Course
Thomas Pulvirenti	MA	30		✓				✓	OSHA 10-Hr. Safety Course
Maria Reiher	GPI	10					✓	✓	NJ Lead Abatement, SSPC QCS
Kenneth Reese, NIV	GPI	34						✓	OSHA 10-Hr. Safety Course
Jonathan Reynolds, EIT	GPI	5		✓	✓	✓		✓	OSHA 10-Hr. Safety Course
Sylvain Rodrigue	GPI	19				✓	✓	✓	NACE Bridge Specialty Course
Jose Rodriguez	MA	11		✓	✓			✓	OSHA 10-Hr. Safety Course
William Rossiter, NII	GPI	9		✓		✓		✓	OSHA 10-Hr. Safety Course
Reza Saba, NIV	GPI	30		✓	✓	✓		✓	OSHA 10-Hr. Safety Course
Thomas Shepherd, NIV	GPI	29				✓	✓	✓	OSHA 10-Hr. Safety Course
Omar Soriano, EIT	GPI	11				✓	✓	✓	
Evan Steele	GPI	12		✓			✓	✓	OSHA 10-Hr. Safety Course
Elliott Strika, NIII	GPI	21		✓		✓	✓	✓	OSHA 10-Hr. Safety Course
Ronald Takla	GPI	50		✓				✓	OSHA 10-Hr. Safety Course
Anthony Tiliakos	GPI	23					✓	✓	SSPC C-3/C-5 Supervisor/C.P.
Guy Toussaint, NIV	GPI	29						✓	OSHA 10-Hr. Safety Course
Robert Trapani, NIV	GPI	35					✓	✓	OSHA 10-Hr. Safety Course
Natanael Vasquez, NI	GPI	10		✓				✓	OSHA 10-Hr. Safety Course
Charles Viveiros	GPI	6					✓	✓	OSHA 30-Hr. Safety & Health
Gregory Yuzuk	GPI	14					✓	✓	OSHA 10-Hr. Safety Course
Robert Zayas	LPE	35		✓				✓	OSHA 10-Hr. Safety Cours

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PACO - PACO Group, Inc. (MBE)
MA - Maitra Associates, P.C. (MBE)
LPE - LPE Enterprises, Ltd. (WBE)

NAME	FIRM	YRS. EXP.	NY/NJ Licensed	PANY/NJ Experience	ACI Concrete Construction Special Inspector	ICC Certified Structural Steel and Bolting Inspector	NA CE Level 1	Greater NY/NJ Experience	Other Qualifications
CONSTRUCTION ADMINISTRATORS / OFFICE ENGINEERS									
Jerry Amoah, EIT, NIII	GPI	8			✓			✓	OSHA 10-Hr. Safety Course
Edward Arrabito	GPI	9		✓				✓	
Gina Caceres, NIII	GPI	11						✓	OSHA 10-Hr. Safety Course
Henry Chiang	GPI	7		✓				✓	OSHA 10-Hr. Safety Course
Jason Chuc, NIV	GPI	20						✓	OSHA 10-Hr. Safety Course
Elaine Dean, EIT	GPI	16						✓	OSHA 40-Hr. Training
Victor DiFinizio, NI	GPI	14						✓	OSHA 10-Hr. Safety Course
Laith Faouri	GPI	5		✓				✓	OSHA 10-Hr. Safety Course
Anthony Fusaro	GPI	15		✓				✓	OSHA 30-Hr. Safety & Health
Thomas Henderson, P.E.	GPI	22						✓	OSHA 10-Hr. Safety Course
Anita Johnson-Davis	GPI	12		✓				✓	E-Builder, Livelink, Spescom,
Vitaliy Khinchin, NIV	GPI	38						✓	OSHA 10-Hr. Safety Course
Richard Khoury, NIV	GPI	30						✓	CPESC, OSHA 30-Hr. Safety
Kenny Loh, LEED AP BD&C	GPI	8						✓	OSHA 10-Hr. Safety Course
Nancy Martinez	GPI	17		✓				✓	OSHA 10-Hr. Safety Course
Zhong Wen Pan, EIT	GPI	11						✓	OSHA 10-Hr. Safety Course
Gopesh Pandya, NIV	GPI	23						✓	OSHA 10-Hr. Safety Course
Louis Perry, EIT	GPI	3		✓				✓	OSHA Lockout/Tagout & 10-Hr.
Edgar Rafol, NIII	GPI	37						✓	OSHA 10-Hr. Safety Course
Elaine Reid	LPE	13		✓				✓	
Lesly Remy	GPI	7						✓	OSHA 10-Hr. Safety Course
Cynthia Ronald	LPE	7							Certified Primavera P6 Proj. Mgmt.
Adelaida Sanabria	LPE	15		✓				✓	
Amanjot Singh	PACO	4		✓		✓		✓	OSHA 30-Hr. Safety Course
Ewa Szulc	LPE	11		✓				✓	
Scott Templeton	GPI	11		✓				✓	
James Weber, ASCE III, NIV	GPI	32						✓	OSHA 10-Hr. Safety Course
SCHEDULERS / COST ESTIMATORS									
Yulee Aronson, P.E.	PACO	30	✓	✓				✓	
Robert Baranowski, P.E.	GPI	28	✓	✓					
Thomas English, P.E.	GPI	8	✓						Primavera P6
Leonard Holland	GPI	31		✓					OSHA 10-Hr. Safety Course
David Kirk, AIA CCC CCS CVS-LIFE, LEED AP BD+C	PACO	26	✓	✓				✓	Certified Cost Consultant Certified Construction Specifier
Dawn Lopez	PACO	13						✓	Primavera Contract Manager
Alexander Macaroff, P.E.	GPI	18	✓						
TOTAL NUMBER OF STAFF MEETING MINIMUM EQUIREMENTS:			41		13	17	35		

PROPOSED PROJECT ORGANIZATION CHART

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018 – RFP No. 39247

THE PORT AUTHORITY OF NY & NJ

PRINCIPAL-IN-CHARGE
M. Denise Carter, P.E.

QUALITY ASSURANCE / QUALITY CONTROL
James Valenti, P.E. ◆

PROJECT MANAGER
Gregory Zenk, P.E. ◆

CONSTRUCTION MANAGERS / RESIDENT ENGINEERS

- Muhammad Ansari, P.E.
- Jeffrey Brugge, P.E. ◆
- Daniel Chasse, P.E. ◆
- Ilya Gologorskiy, P.E. ◆
- Robert Leo, P.E. ◆
- Marc Matalon, P.E. ◆
- Jimmy Moorey, P.E.
- Neophytos Neophytou, P.E. ◆
- Douglas Reese, P.E. ◆
- Brendan Scahill, P.E. ◆
- Richard Seamon, P.E.
- Jayendra Shah, P.E.
- Jugal Sood, P.E. (PACO)
- Philip Trapani, P.E. ◆
- Guerman Vainblat, P.E. ✶ ◆

CONSTRUCTABILITY REVIEWS / TECHNICAL SPECIALISTS

- Christopher Farshon, P.E. ◆
- William Ferdinandsen, P.E.
- Frank Gallo, P.E.
- Anthony Grosso, P.E. ◆
- Thomas Napolitano, P.E. ◆
- James Tarpey, P.E.

KEY

All staff shown are GPI personnel, unless otherwise noted.

MA Maitra Associates, P.C. (MBE)
PACO PACO Group (MBE)
LPE LPE Enterprises, Ltd. (WBE)

■ ACI Concrete Construction Special Inspector
✶ ICC Certified Structural Steel and Bolting Inspector
◆ NACE Level 1 certified or more

ASSISTANT RESIDENT ENGINEERS / FIELD ENGINEERS

Civil & Structural Inspectors
- Vincent Bucci, P.E. (MA)
- John Chiang, P.E. ✶
- George Davis, P.E.
- Manthan Desai, ASCE III
- Brian Gormley, EIT ✶
- Joseph Greenman, EIT
- Rafi Hamid, P.E. (PACO)
- Alfred Johnson, P.E. (MA)
- Barry Matarangas, P.E.
- Alan Matin, P.E. (MA)
- Thomas Moen, EIT ◆
- Edward Roche, P.E.
- Kuldip Sachdev ASCE III (MA)
- Saif Salahuddin, P.E.
- Jeffrey Schramm, P.E.

Mechanical/Electrical
- Aleksandr Belov, P.E. (MA)
- John Goon, ASCE III
- Yazeed Khayyat, P.E. (PACO)
- Gregory Lau, ASCE III
- Ignacio Ortega, ASCE III
- Phenol Zamor, ASCE III

INSPECTORS

Civil & Structural Inspectors
- Peter Alley
- Alyson Aulet-Valentine, NIV ✶
- Lynnette Baptiste, NII
- Emad Bebawy (PACO)
- Kenneth Boykin
- Garfield Cardinez, NIV
- Christopher Colon, NII
- Luz Coy
- Gary Crozier, NIV ◆
- Camilo Cruz ■ ✶
- David Cunningham, NIII ■
- Majdi El-Taher, NIV
- Len Espinar, NIV (MA)
- Mauricio Fernandez, NIV ■ (MA)
- Dawn Garcia, EIT
- William Godfrey, NIV
- Washner Guerrier
- Anthony Haran
- Aleef Hassan (PACO)

Civil & Structural Inspectors
- Mohammad Imran (PACO)
- Steven Jones, NIV
- Darryl Kemp, NIV
- Gabriel Lageyre, NIV
- Ken Leo, NIII ■
- William Leong, NIII
- Ian MacKenzie, EIT
- Keith Major, NIII ✶ ◆
- Andrea Malenich
- Igor Malkovskiy, P.E.
- Jeffrey Mando ■
- Omont McBride, NII, ■ ✶ (MA)
- Edward McLean ✶ (MA)
- Wayne McMahon, NIV, ■ ✶(MA)
- Nico Napoleoni
- Luis Nina, NIII ■
- Ido Nissani, NII ■ (PACO)
- Christopher O'Donnell
- John O'Har

Civil & Structural Inspectors
- Nzinga Porter
- John Petekiewicz ■ ✶(MA)
- Kenneth Reese, NIV
- Jonathan Reynolds, EIT ■ ✶
- Jose P. Rodriguez, ■ (MA)
- William Rossiter, NII ✶
- Reza Saba, NIV ■ ✶
- Thomas Shepherd, NIV ✶◆
- Omar Soriano, EIT ✶ ◆
- Ronald Takla
- Guy Toussaint, NIV
- Robert Trapani, NIV ◆
- Natanael Vasquez, NI

Mechanical/Electrical
- Adewale Adesanya (MA)
- Bala Balakrishnan (LPE)
- Alonzo Bryson, NIII (LPE)
- Wesley Campbell, EIT

Mechanical/Electrical
- Abel Njie (MA)
- Thomas Pulvirenti, (MA)
- Robert Zayas (LPE)

NACE Inspectors
- Mhed Charles, NIV ◆
- Fernando Flores, NIV ◆
- Nelson Garcia ◆
- John Marcel, NIV ◆
- Amit Mukheja ◆
- Marcus Olivo, NIII ◆
- Richard Procaccio, NIV ◆
- Maria Reiher ◆
- Sylvain Rodrigue ✶ ◆
- Evan Steele ◆
- Elliott Strika, NIII ◆ ✶
- Anthony Tiliakos ◆
- Charles Viveiros ◆
- Gregory Yuzuk ◆

CONSTRUCTION ADMINISTRATORS

- Jerry Amoah, EIT ■
- Edward Arrabito
- Gina Caceres, NIII
- Henry Chiang
- Jason Chuc, NIV
- Elaine Dean, EIT
- Victor DiFinizio, NI
- Laith Faouri
- Anthony Fusaro
- Thomas Henderson, P.E.
- Anita Johnson-Davis
- Vitaliy Khinchin, NIV
- Richard Khoury, NIV
- Kenny Loh, LEED AP BD+C
- Nancy Martinez
- Zhong Wen Pan, EIT
- Gopesh Pandya, NIV
- Louis Perry, EIT
- Edgar Rafol, NIII
- Elaine Reid (LPE)
- Lesly Remy
- Cynthia Ronald (LPE)
- Adelaida Sanabria (LPE)
- Amanjot Singh ✶ (PACO)
- Ewa Szulc (LPE)
- Scott Templeton
- James Weber, ASCE III, NIV

SCHEDULERS / COST ESTIMATORS

- Yulee Aronson, P.E. (PACO)
- Robert Baranowski, P.E.
- Thomas English, P.E.
- Leonard Holland
- David Kirk, AIA CCC CCS CVS-LIFE LEED AP BD+C (PACO)
- Dawn Lopez (PACO)
- Alexander Macaroff, P.E.

GPI Greenman-Pedersen, Inc.
Engineering and Construction Services

RESUMES

PROJECT MANAGEMENT

Gregory Zenk, P.E.
Director of Construction Services

Professional Profile

Mr. Zenk is the Director of Construction Services for GPI's New York office. He has spent the majority of his career managing various construction projects. These projects include major long and short span bridge and highway rehabilitation; historic building restoration; water treatment plants; park improvement and rehabilitation; and pier and bulkhead installation, among others.

Mr. Zenk is responsible for construction management and inspection services undertaken by GPI's New York office and serves as project manager on our New York area construction projects. In this position, he is directly involved with the project representatives/resident engineers, inspectors, office engineers, schedulers, and estimators. He is responsible for overall quality control of GPI's construction management and inspection program to ensure that the needs of the client are met, and that the project is in conformance with the requirements of GPI's established quality assurance program.

Mr. Zenk works with staff to select appropriate training and certification programs necessary to ensure that individuals and the department staff stay apprised and up to date on industry practices and procedures. These programs have been associated with organizations such as NACE International, the American Welding Society, the International Code Council, and the American Concrete Institute.

Proposed Project Assignment
Project Manager

Registration/Certifications
1995/Professional Engineer/NY
1999/NACE Certified Coating Inspector Level 3
2000/AWS Certified Welding Inspector

Education
BS/1985/Civil Engineering

Course Work
2009 - 10-Hour OSHA Training Course
Bridge Rehabilitation and Construction, University of Wisconsin
SSPC C-5 Supervisor Competent Person Refresher Training
C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures
ACI Concrete Field Testing Technician Grade Level I Trained

Professional Affiliations
American Society of Civil Engineers (ASCE)
National Association of Corrosion Engineers (NACE)
Society of Protective Coatings (SSPC)
Member of Tau Beta Pi

Total Years Experience 29

Project Experience

Projects on which Mr. Zenk has served as project director/manager include:

- 2006-2010 Port Authority On-Call Construction Management Services, Various Locations, NY, PA NY & NJ
- 2011-2014 Port Authority On-Call Construction Management Services, Various Locations, NY, PA NY & NJ
- On-Call Construction Management Services, 2002-2006, Various Port Authority NY&NJ Facilities, Jersey City, NJ, PA NY & NJ
- REI for the Rehabilitation of High Bridge, Boroughs of Manhattan & Bronx, NY, NYCDDC
  Bayonne Bridge Navigational Clearance Program (BBNCP), NY/NJ, PA NY & NJ
- Engineering Services Agreement (ESA) for Resident Engineering and Inspection Services, New York, NY, NYCDOT
- Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY, NYCDOT
- Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, New York, NY, NYCDOT
- Williamsburg Bridge North Roadways Reconstruction, Contract 7, New York, NY, NYCDOT
- Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, New York, NY, NYCDOT
- Queensboro Bridge Lead Paint Removal and Protective Coating, Contract BRC231P, New York, NY, NYCDOT
- Staten Island Railroad Bridges, Staten Island, NY, NYCDOT
- Ocean Avenue Bridge over LIRR, Brooklyn, NY, NYCDOT
- Battery Park Underpass/West Street Emergency Contract, New York, NY, NYCDOT
- Belt Parkway Bridges Program Management Services, Brooklyn, NY, NYCDOT
- Belt Parkway Bridges REI Services – Gerritsen Inlet Bridge, Brooklyn, NY, NYCDOT

Gregory Zenk, P.E.
Director of Construction Services

- Belt Parkway Bridges REI Services - Paerdegat Bridge, Brooklyn, NY, NYCDOT
- Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Brooklyn, NY, NYCDOT
- Belt Parkway Tidal Wetlands Mitigation, Brooklyn, NY, NYCDOT
- Construction Administration and Inspection for Project QM-40S, Super Storm Sandy Restoration and Mitigation and Project QM-40/QM-18, Rehabilitation of the Tunnel Walls, Roadway and Manhattan Exit Plaza at the Queens Midtown Tunnel , TBTA
- Marine Parkway Bridge Resident Engineering and Inspection, MP-01, New York, NY, TBTA
- Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY, TBTA
- Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY, TBTA
- Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation, BW-85/86/WBM-339, Bronx, NY, TBTA
- Bronx-Whitestone Bridge, Miscellaneous Painting, Suspended Rope Collar Replacement and Flag Repairs, and Pin Replacement, Projects WBM 319X and BW 87A & C, New York, NY, TBTA
- Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY, TBTA
- Rehabilitation of the 2nd Avenue and 36th Street Overpass Bridges at the Queens Midtown Tunnel, QM-82, New York, NY, TBTA
- Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct - TB-64A, Queens, NY, TBTA
- Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure - TB-63, New York, NY, TBTA
- Throgs Neck Bridge Orthotropic Deck, TN-82A, Bronx, NY, TBTA
- Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY, TBTA
- Verrazano-Narrows Bridge Rehabilitation of Structural Steel Repairs, VN-32, Staten Island, NY, TBTA
- Verrazano-Narrows Bridge Rehabilitation of the Lower Level Approaches, VN-17A, Staten Island, NY, TBTA
- CI Services for the Rehabilitation of Three Bridges, Contract 6052-B1-11 Release 'A', Hampton Bays, NY, LIRR
- Rockville Centre Bridge Painting, Rockville Centre, NY, NCDPW
- Replacement of County Road 67, Motor Parkway Bridge at the LIE, Exit 55, Town of Islip, NY, SCDPW
- Improvements to County Road 39, North Road from the Vicinity of County Road 38, North Sea Road to the Vicinity of NY 27, Montauk Highway, Southampton, NY SCDPW
- Construction Supervision and Inspection Services, Harlem Line Drainage Improvements, Phase II, Metro North Railroad

Prior to his project manager assignments, Mr. Zenk worked extensively in the field on projects throughout the New York metropolitan area. These projects include:

Bronx-Whitestone Bridge, Projects WBM 319X and BW 87A & C, Miscellaneous Painting and Suspended Rope Collar Replacement & Flag Repairs and Pin Replacement, New York, NY; 10/00-12/02. Resident Engineer. The two concurrent projects totaling $4 million involved the cleaning and painting of several thousand feet of bridge median barrier, several thousand square feet of tower interior, and critical sections of the bridge suspender cables, the installation of specialized elastomeric collars at the suspender penetrations through the main fascia girders. Also, over 1,000 critical structural steel flag repairs were completed by the contractor. Included in the repairs were the removal and replacement of several steel rocker bearings and pin removal and replacement. The repairs required the installation of complex jacking systems for lifting of the structure during rehabilitation. Mr. Zenk's responsibilities included the supervision of five inspectors and coordination with facility administrative personnel and the contractor. Client: Triborough Bridge and Tunnel Authority

M. Denise Carter, P.E.
Senior Vice President/Branch Manager

Professional Profile
Ms. Carter is a professional engineer with many years of experience in the management of transportation design and construction inspection projects throughout the New York metropolitan area. In her current position as branch manager, Ms. Carter is responsible for overseeing scheduling, staffing, invoicing, quality assurance, constructibility, compliance to contractual obligations, and that the clients' needs and requirements were satisfied for all design and construction engineering inspection projects conducted from GPI's Babylon Branch office. In this position, she is directly involved with all project personnel in all phases of the project. She is responsible for overall quality control of GPI's construction management and inspection program and that project schedule and budget are monitored and reported. Ms. Carter has the authority to commit the resources from within the GPI organization to meet schedules and provide specialized services to all branch clients.

Project Experience
Projects on which Ms. Carter has served or is serving as principal-in-charge include:

- Bayonne Bridge Navigational Clearance Program (BBNCP), NY/NJ, PA NY & NJ
- 2011-2014 Port Authority On-Call Construction Management Services, PA NY & NJ
- 2006-2010 Port Authority On-Call Construction Management Services, PA NY & NJ
- 2002-2006 Port Authority On-Call Construction Management Services, Various Facilities, PA NY & NJ
- Staten Island Bridges, PA NY & NJ
- Journal Square Transportation Center, PA NY & NJ
- Battery Park City Ferry Terminal at the 39th Street Pier, PA NY & NJ
- John F. Kennedy International Airport – Jet Blue Parking Structure, PA NY & NJ
- John F. Kennedy International Airport, PA NY & NJ
- EWR Newark Airport, PA NY & NJ
- Port Authority Bus Terminal – Structural Modifications, PA NY & NJ
- Port Authority Technical Center, PA NY & NJ
- LaGuardia Airport, PA NY & NJ
- Jamaica Station, PA NY & NJ
- George Washington Bridge Painting, PA NY & NJ
- Williamsburg Bridge North Roadways Reconstruction, Contract 7, NYCDOT
- Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, NYCDOT
- Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, NYCDOT
- Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, NYCDOT
- Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, NYCDOT
- Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, NYCDOT

Proposed Project Assignment
Principal-in-Charge

Registration/Certifications
1990/Professional Engineer/NY
2004/Professional Engineer/CT
2004/Professional Engineer/NJ

Education
MS/1994/Civil Engineering
BS/1983/Civil Engineering

Course Work
2012 - 10-Hour OSHA Training Course
2004 - Practicing Institute of Engineering, Inc.- PS[redacted]
Work Zone Safety
2000 - Traffic Work Zone Safety Training Course - GPI

Professional Affiliations
American Council of Engineering Companies, Long Island Board Secretary (ACEC)
American Society of Civil Engineers (ASCE) (formerly President, Long Island Branch)

Total Years Experience 32

M. Denise Carter, P.E.
Senior Vice President/Branch Manager

- Belt Parkway Bridges Program Management Services, NYCDOT
- Gerritsen Inlet Bridge, NYCDOT
- Paerdegat Bridge, NYCDOT
- Rockaway Parkway Bridge, NYCDOT
- Macombs Dam Bridge over the Harlem River Rehabilitation, NYCDOT
- Replacement of Brooklyn Bridge Travelers, NYCDOT
- Church and Caton Avenue Bridges – Reconstruction over NYC Transit, NYCDOT
- Protective Coating of Grand Central Parkway over BQE Bridges, NYCDOT
- Queensboro Bridge Lead Paint Removal and Protective Coating, NYCDOT
- Ocean Avenue Bridge over LIRR, Brooklyn, NY, NYCDOT
- Reconstruction of Willis Avenue Bridge, NYCDOT
- Brooklyn Bridge Approaches and Ramp Structures Improvements, Contract 6, NYCDOT
- Office Engineer Positions for Various Superstorm Sandy Reconstruction Projects, NYCDOT
- Staten Island Railroad Bridges, Staten Island, NY, NYCDOT
- Reconstruction of Houston Street from West Street to Bowery, NYCDDC
- REI For the Rehabilitation of High Bridge, NYCDDC
- Construction Administration and Inspection for Project QM-40S, Super Storm Sandy Restoration and Mitigation and Project QM-40/QM-18, Rehabilitation of the Tunnel Walls, Roadway and Manhattan Exit Plaza at the Queens Midtown Tunnel , TBTA
- Throgs Neck Bridge Orthotropic Deck, TN-82, TBTA
- Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation – BW-85/86/WBM-339, TBTA
- Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, TBTA
- Bronx-Whitestone Bridge Deck Replacement - BW-82, TBTA
- Bronx-Whitestone Bridge Replacement of the Bronx Approach and Miscellaneous Repairs to the Queens Approach, TBTA
- Bronx-Whitestone Bridge Warranty Coatings Inspection, BW-85/86/WMB-339, TBTA
- Robert F. Kennedy (Triborough) Bridge Rehabilitation of Suspension Cables - TB-17, TBTA
- Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure, Phase I - TB-63, TBTA
- Marine Parkway Bridge Resident Engineering and Inspection, MP-01, TBTA
- Cross Bay Boulevard Bridge, CB 08/09, TBTA
- Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, TBTA
- Verrazano-Narrows Bridge Rehabilitation of Structural Steel Repairs, VN-32, TBTA
- Verrazano-Narrows Bridge Rehabilitation of the Lower Level Approaches, VN-17A, TBTA
- Long Island Expressway/Cross Island Parkway Interchange, Exits 29-32, NYSDOT
- Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, NYSDOT
- Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, NYSDOT
- Northern State Parkway INFORM/ITS, CEI, NYSDOT
- Construction Supervision and Inspection Services, Harlem Line Drainage Improvements, Phase II, Metro North Railroad
- Rehabilitation of Bridge No. 02295, Route 136, ConnDOT
- Consolidated Edison Tank Inspections, Consolidated Edison of New York

James Valenti, P.E.
Project Manager

Professional Profile

Mr. Valenti provides comprehensive resident engineering services and project management for bridge rehabilitation/reconstruction projects. In addition to his project management responsibilities, he serves as a certified quality assurance representative (CQAR) and health and safety officer (HASO) for construction projects. Mr. Valenti has extensive experience in environmental compliance enforcement and environmental investigations.

Mr. Valenti currently provides CQAR services for major REI projects at the Verrazano-Narrows and Bronx-Whitestone bridges. In addition to preparing the Quality Management System Manuals (QMSM) for these and other projects, he performs interim internal and full-system quality assurance audits to ensure that the GPI team is adhering to all requirements of the QMSM. He prepares summary reports for client review and performs root cause analysis as necessary to minimize potential for recurrence of quality assurance breaches of protocol. He also serves as a technical quality manager (TQM) for GPI's QP-5 coatings inspection services program.

Project Experience

Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 7/12-Present. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Mr. Valenti is serving as the Certified Quality Assurance Representative (CQAR) for this project. Client: Triborough Bridge & Tunnel Authority

Bronx-Whitestone Bridge Replacement of the Bronx Approach and Miscellaneous Repairs to the Queens Approach, BW-89, Bronx, NY; 5/12-Present. This $204-million project involves the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Mr. Valenti is serving as the Certified Quality Assurance Representative (CQAR) for this project. Client: Triborough Bridge & Tunnel Authority

Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 3/11-5/12. This project involved construction management and inspection services required to support construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. Mr. Valenti served as the Certified Quality Assurance Representative (CQAR) for this project. Client: Triborough Bridge & Tunnel Authority

Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation, BW-85/86/WBM-339, Bronx, NY; 1/08-3/08. Resident Engineer. This project involved construction management and inspection services for coating removal and application and cable/suspender rehabilitation for Project BW-85/86/WBM-339, Select Cable Panel Opening/Suspender Rope Removal and Replacement and Painting at the Bronx-Whitestone Bridge. Mr. Valenti provided comprehensive resident engineer services during the start-up period of Project BW-85-86/WBM-339, including establishing the consultant field office: development of all project related inspection protocols and work

Proposed Project Assignment
Quality Assurance/Quality Control

Registration/Certifications
1993/Professional Engineer/NY
2011/Professional Engineer/CT
2013/NACE Certified Coating Inspector Level 3
2001/AWS Certified Welding Inspector
2011/NYCT Track Safety Certified
1994/NYS DOH Project Monitor Refresher Asbestos Handling
2000/SSPC - C-5 Supervisor/Competent Person
1999/SSPC - C3 Supervisor/Competent Person-Deleading
2014/SSPC WS-4 Confined Space Safety Training

Education
BE/1985/Mechanical Engineering

Course Work
2014 - SSPC WS-4 Confined Space Safety Training
2013 – MTA NYC Transit Track Safety Certification
2012 - OSHA #502 Update for Construction Industry Outreach Trainers
2011 - Staten Island Railway Roadway Worker – Basic Certification
2008 - OSHA #500 Trainer Course in Occupational Safety & Health Standards for the Construction Industry
2000 - SSPC C-3 & C-5 Supervisor/Competent Person for Deleading/NY
1994 - NYSDOH Project Monitor Refresher Training Course
1994 - 8-Hour Health and Safety Operations at Hazardous Materials Sites Refresher Training Course
1994 - 8-Hour Health and Safety Operations at Hazardous Waste Sites Refresher Training Course
1990 - 8-Hour OSHA HAZWOPR Supervisor Training Course
1989 - 40-Hour OSHA HAZWOPR Training Course

Professional Affiliations
Society of Protective Coatings (SSPC)
National Association of Corrosion Engineers (NACE)
American Welding Society (AWS)

Total Years Experience 27

plans (QMSM, HASP, Field Inspection Program); establishment of a project-specific filing system; processing of project submittals, schedules and payments; coordination of start-up activities, progress meetings and security controls with the Contractor and the TBTA; and day-to-day project management duties. Client: Triborough Bridge and Tunnel Authority

Rehabilitation of the 2nd Avenue and 36th Street Overpass Bridges at the Queens Midtown Tunnel, QM-82, Queens, NY; 11/05-1/08. Resident Engineer. This project involved providing professional construction management services for the rehabilitation of the 2nd Avenue and 36th Street Overpasses. Work included a variety of different tasks including concrete repairs, cleaning and painting of structural steel, installing new underdeck lighting, new netting, lead and asbestos abatement. Mr. Valenti's responsibilities included on-site project management and oversight during concrete crack and spall repair, rehabilitation and forming; removal of column concrete encasements and installation of curtain walls; repointing of masonry facades; lead-based paint and asbestos removal; installation of vertical access staircase and relocation of electrical components at D Post; roadway striping and coordination of maintenance and protection of traffic operations during multiple construction stages at the Manhattan approach spans to the tunnel. He developed a Quality Assurance Plan and a Health and Safety Plan for consultant staff and supervised a staff of five inspectors during this $2.7-million project. Client: Triborough Bridge and Tunnel Authority

Throgs Neck Bridge, Orthotropic Deck Rehabilitation, TN-82 Phase A, Bronx, NY; 1/04-11/05. Resident Engineer. This project involved the testing of the constructibility, serviceability and performance of the design consultant's solution to the chronic structural problems that have plagued the retrofitted spans since 1989. Mr. Valenti was responsible for day-to-day on-site project management during this $5.4-million project. Specific construction activities included installation of longitudinal shear connectors; removal of and replacement of end and intermediate sub-floorbeams; structural steel repairs; dye penetrant testing and crack arrest hole drilling; shimming of orthotropic deck spans; installation and removal of 60,000 sq ft of suspended work platform system; welding procedure and welder qualification demonstration phase; day- and night-time maintenance and protection of traffic (MPT) coordination. He reviewed contract submittals and shop drawings; negotiated change orders; developed the Quality Assurance Plan and Health and Safety Plan for consultant staff, prepared Constructibility Review Report for project; and supervised a staff of five inspectors. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct - TB-64A, Queens, NY; 11/00-1/04.As assistant resident engineer, Mr. Valenti's responsibilities included on-site project management and oversight during installation of temporary protective shielding for suspension spans and viaduct; suspender rope removal and replacement (368 ropes total at 184 locations) utilizing multiple jacking system scenarios and equipment; removal of approximately 252,000 sq ft of existing road deck and installation of new orthotropic deck; pin replacement at Wards Island anchorage; paint removal (272,000 sq ft); and significant maintenance and protection of traffic coordination during staged construction for this $165-million project. He supervised inspection personnel (eight inspectors), reviewed contract submittals and shop drawings and contractor payments, performed on-site and off-site quality control/assurance inspections during suspender rope fabrication, pouring of rope sockets and preparation for installation, and coordinated development and implementation of quality assurance, safety and environmental controls. He also developed the Quality Assurance Plan and Health and Safety Plan for consultant staff and assumed resident engineer's responsibilities when resident engineer was not on site. Client: Triborough Bridge and Tunnel Authority

REI for the Rehabilitation of High Bridge, Boroughs of Manhattan and Bronx, NY; 9/13-Present. Project Manager. This $50-million project involves resident engineering and inspection services for comprehensive rehabilitation, service upgrades, and historical restoration of this 1,400lin ft aqueduct structure, the oldest existing bridge in NYC. Mr. Valenti is responsible for addressing staffing needs and providing inspection equipment and other resources as required; attending and participating in progress, schedule, and technical meetings; maintaining construction inspection budgets and manpower requirements; providing supervisory support for technical and logistical issues of concern; conducting regular site visits to review work progress; and serving as liaison between consultant and client representatives. Client: New York City Dept. of Design & Construction

RESUMES

CONSTRUCTABILITY REVIEWS / TECHNICAL SPECIALISTS

Resumes are presented in alphabetical order

Frank Gallo, P.E.
Assistant Program Manager

Professional Profile
Mr. Gallo is a professional engineer with extensive experience in bridge and highway reconstruction and rehabilitation projects. In previous years, Mr. Gallo served as Assistant Commissioner for NYCDOT-Bureau of Bridges and supervisor of design and construction and engineer-in-charge for NYSDOT. His responsibilities included management of engineering staff involved on major transportation projects throughout New York City.

Mr. Gallo served as director of construction services responsible for construction management and inspection services undertaken by GPI's Babylon office. In this position, he was directly involved with the project representatives/resident engineers, inspectors, office engineers, schedulers, and estimators. He was responsible for overall quality control of GPI's construction management and inspection program to ensure that the needs of the client are met, and that the project is in conformance with NYSDOT Manual for Uniform Record Keeping (MURK). Mr. Gallo's ability to progress projects on a timely basis, within budget, and his familiarity with the construction industry in the New York metropolitan area, and the many local contractors and unions has been extremely beneficial towards the successful completion of projects undertaken by the firm.

Proposed Project Assignment
Constructability Reviews / Technical Specialist

Registration/Certifications
1962/Professional Engineer/NY
1967/Professional Engineer/NJ

Education
MCE/1963/Civil Engineering
BCE/1958/Civil Engineering

Course Work
2011 - 10-Hour OSHA Training Course
2001 - MTA NYCT Track Safety Course
1988 - NYS Bridge Inspection Course
NACE Certified Coatings Inspector Level 3 Trained

Total Years Experience 56

Project Experience
Belt Parkway Bridges Program Management Services, Brooklyn, NY; 5/06-Present. Assistant Program Manager. This project involves program management and resident engineering and inspection services for the rehabilitation/replacement of seven bridges along a 7.5-mile section of the Belt Parkway. Mr. Gallo's responsibilities include the organization of a Program Management Team composed of several subconsultants with the ability to take bridge projects through the design phase to final bid ready documents. This includes coordinating among several designers, the State and City DOTs, and City, State and Federal agencies to obtain final approvals. This is achieved by scheduling meetings, preparing an agenda and producing final minutes. Monthly detailed reports are provided to describe status and to keep the projects on schedule. A community outreach program was created which gives the NYCDOT the ability to identify and meet with the stakeholders to describe the project and to create positive dialogue. The PM team takes the project through the procurement process to final bid. After bids are received and analyzed, and a Notice to Proceed is given, the PM team will provide Resident Engineering inspection, which will include submittal of monthly construction reports for the entire program; reviewing the changes proposed by one (or more) contractor(s) and evaluating the impacts on other projects; approving Contractor(s) Construction Schedules and CPM's of an individual Shore Parkway Bridge; preparing a combined Construction Schedule and CPM for all of the Belt Parkway Bridges construction; conducting bi-weekly coordination meetings with the entire staff including Resident Engineers of an individual Bridge Project including NYCDOT Roadway Bridges Engineer-in-Charge; conducting interim meetings with the staff, Resident Engineers and other involved Agencies on an as-needed basis; making necessary presentations to Community Boards, other involved agencies. Client: New York City Dept. of Transportation

As director of construction services, Mr. Gallo has served as project manager or QA/QC advisor on the following major bridge, roadway and structural rehabilitation projects throughout the metropolitan area:

Frank Gallo, P.E.
Assistant Program Manager

- 2002 On-Call Engineering and Construction Management Services Contract, $25 M, (PA NY & NJ)
- Goethals Bridge Cleaning, Painting and Steel Repairs, $12 M, #AKG-274.022 (PA NY & NJ)
- Williamsburg Bridge South Roadways Reconstruction, Contract 5, $310M, #BRC253BAA (NYCDOT)
- Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, $176M, #BRC253BBA (NYCDOT)
- Williamsburg Bridge North Roadways Reconstruction, Contract 7, $248M, #BRC253CA (NYCDOT)
- Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, $280M, #BRC253CCA (NYCDOT)
- Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, $8.9M, #BRC1568CA (NYCDOT)
- Manhattan Bridge Rehabilitation of the North Spans over the East River, Contract 10, $175M, #BRC156CA (NYCDOT)
- Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, $140M, #BRC156A (NYCDOT)
- Component Rehabilitation of New York City Bridges, $5M, #HBCREPL95D (NYCDOT)
- Jerome Avenue Bridge over Moshulu Parkway Rehabilitation, $3.2M, #HBX1105 (NYCDOT)
- Park Lane South Bridge over the LIRR Demolition and Replacement, $2.7M, #HBQ1005 (NYCDOT)
- Northern Boulevard over Cross Island Parkway, $5.5M, #HBQ1073 (NYCDOT)
- Macombs Dam Bridge over Harlem River Rehabilitation, $3.6M, #BRX-287-R (NYCDOT)
- Queensboro Bridge Lead Paint Removal and Protective Coating, $107M, #BRC231P (NYCDOT)
- Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, $138M, #D259766 (NYSDOT)
- Long Island Expressway-Grand Central Parkway to Van Dam Street Rehabilitation, $88M, #D257842 (NYSDOT)
- Long Island Expressway/Cross Island Parkway Interchange Reconstruction, $47M, #D258437 (NYSDOT) Brooklyn-Queens Expressway, I-278, Park Avenue Viaduct Paint Inspection, $2.3M, #D257563 (NYSDOT)
- Roslyn Viaduct Underdeck Netting, Route 25A, $1.3M, #D257571 (NYSDOT)
- Rehabilitation of the Brooklyn Queens Expressway and the Park Avenue Viaduct, $138M, #D015524 (NYSDOT)
- Robert F. Kennedy (Triborough) Bridge Queens Approach Concrete Structure Deck Replacement - TB-13, $15.9M, #TB-13 (TBTA)
- Robert F. Kennedy (Triborough) Bridge Rehabilitation of Suspension Cables - TB-17, $9.5M, #TB-17 (TBTA)
- Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure, Phase I - TB-63, $62.5M, #TB-63 (QA/QC Manager) (TBTA)
- Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct, #TB-64A, $165M (TBTA)
- Bronx-Whitestone Bridge Deck Replacement, $150M, #BW-82 (TBTA)
- Bronx-Whitestone Bridge Painting and Cable Rehabilitation, $12.6M, #BW-10 (TBTA)
- Bronx-Whitestone Bridge Miscellaneous Painting, Suspended Rope Collar Replacement and Flag Repairs and Pin Replacement, $4M, #WBM 319X and BW-87A & C (TBTA)
- Verrazano-Narrows Bridge Inspection, Painting and Structural Repairs, $16M, #VN-29 (TBTA)
- Marine Parkway Bridge, $30M, #MP-01 (TBTA)
- Throgs Neck Bridge Orthotropic Deck, $5.2M, #TN-82 (TBTA)
- Rehabilitation of the 2nd Avenue and 36th Street Overpass Bridges at the Queens Midtown Tunnel, $2.5M, #QM-82 (TBTA)

Anthony Grosso, P.E.
Chief Resident Engineer

Professional Profile
Mr. Grosso has over 20 years of experience in the management of large-scale transportation construction projects. He joined GPI after serving in various capacities with the New York City Dept. of Transportation and earlier New York State Dept. of Transportation. At the end of his tenure with the New York City Dept. of Transportation, Mr. Grosso was the maintenance director, Bureau of Bridges. Prior to this assignment, he served as engineer-in-charge for the New York State Dept. of Transportation and supervised field inspections and rehabilitation and reconstruction of some of the largest structures in the New York Metropolitan area. Mr. Grosso possesses first-hand knowledge of the construction, maintenance, repair and painting of major highway and suspension bridges.

Proposed Project Assignment
Constructability Reviews / Technical Specialist

Registration/Certifications
1982/Professional Engineer/NY
1997/NACE Coating Inspector Level 1 - Certified

Education
MS/1977/Transportation Planning and Engineering
BS/1976/Civil Engineering

Course Work
2008 - 10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training
2002 - MTA NYCT Track Safety
2000 - SSPC C-5 Deleading Supervisor/Competent Person
2000 - Confined Space Training
1999 - NYCDOT Supervisor Course
2000 - ATSSA Registered Flagger

Total Years Experience 37

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 6/10-Present. Chief Resident Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Grosso's responsibilities include supervising a staff of over 25 engineers and technicians who provide resident engineering services for the project. He is also involved in the review and acceptance of submittals, shop drawings and field change sheets. Coordination of the contractor's work activities are performed by his staff with NYCDOT, NYSDOT and FHWA representatives. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 8/05-6/10. Resident Engineer. This $138-million project involved construction engineering and inspection for the widening, redecking and repainting of this 850,000 sq ft viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume, major interstate urban highway/bridge included replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. The structure has seismic reinforcement installed which included retainers and plates at the top of columns and additional stiffeners and plates at the base. Also included is extensive coordination with agencies and local communities. Mr. Grosso's responsibilities included the direct daily supervision of a team of engineers, technicians and support staff; the day-to-day coordination with the construction contractor; and the maintenance of positive community relations in a dense urban area. Client: New York State Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 4/03-8/05. Resident Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of

ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 4/99-8/03. Resident Engineer. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. The scope of work for this project included: the removal of the north inner and outer roadways; installation of bored-in-piles; construction of new reinforced concrete footings, plinths, columns, pier caps, pedestals, retaining walls and abutments; the installation of roadway superstructure including lighting and drainage; replacement of bridge roadway with orthotropic deck and steel barrier; replacement of truss bearings; and painting of underdeck and installation of IVH system. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 6/97-7/01. Resident Engineer. This $176-million project involved the construction inspection for the replacement of the entire mid-section of the bridge that supports the New York City transit tracks (BMT Line). Work included replacement of approaches and abutments, BMT tracks, structures and stringers, repairs to BMT floorbeams, construction of a new signal instrument room, installation and testing of signal, communications and traction-power systems, replacement of stringers on main bridge main span and painting of overhead truss, north transit hanger and anchorage steel. Mr. Grosso's responsibilities included the supervision of a staff of over 35 engineers and administrative personnel and coordinating with a community relations consultant. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 1996-10/98. Resident Engineer. This $310-million project involved the construction engineering and inspection for the reconstruction of the south inner and outer roadways. Mr. Grosso's responsibilities included the supervision of a staff of over 35 engineers and administrative personnel. Mr. Grosso also coordinated community relations issues to address the local community's concerns and to keep the traveling public apprised of the construction work and resultant road closings on the bridge. The work included the reconstruction of the south roadways; interim bracing of the north roadway and the subsequent demolition of the south roadway framing; construction of a new approach structure, including installation of bored-in-piles; construction of new reinforced concrete pile caps, piers, retaining walls and abutments; and a new superstructure. Client: New York City Dept. of Transportation

Bronx-Whitestone Bridge Painting and Cable Rehabilitation, BW-10, New York, NY; 1994-1996. Mr. Grosso performed resident engineering duties for the first stage of this $21-million project which included surface preparation of the steel superstructure in a Class 1 containment and the application of a three-coat high performing epoxy paint. Client: Triborough Bridge and Tunnel Authority

Brooklyn Bridge Anchorage Rehabilitation, New York, NY; 1983-1988. Engineer-in-Charge. At the time, the largest project let by NYSDOT, Mr. Grosso supervised field inspections in repairing deficient elements of both anchorages of this historic New York City landmark. Work on this $53-million project involved reconstruction of the approach promenades; enlargement and reconstruction of the main cable anchorage pits; spreading of cable strands at the anchorage and removal and replacement of suspender components. He was also responsible for reviewing and approving field changes designed by the support service consultant. Client: New York State Dept. of Transportation

FDR-South Street Viaduct, Manhattan, NY; 1982-1983. Engineer-in-Charge. Mr. Grosso supervised the construction inspection consultant responsible for the removal and replacement of the concrete roadway deck and repairs to deficient structural members of this important interchange. Client: New York State Dept. of Transportation

While serving as maintenance director for the New York City Dept. of Transportation, Bureau of Bridges, 1988-1994, Mr. Grosso directed a group of over 20 people whose duties included designing repair details for structurally deficient elements of bridges throughout the New York Metropolitan area. He also managed a multi-million-dollar bridge painting program where he was responsible for determining schedules, type of surface preparation and protective coating system as part of an overall maintenance program.

Christopher Farschon, P.E.
Project Director

Professional Profile
Mr. Farschon is an Expert Consultant with the Greenman-Pedersen, Inc. Coatings Group (GPI) specializing in marine and atmospheric coatings and corrosion. He began his career designing and managing corrosion engineering projects. This experience provided him with a solid technical foundation for corrosion and coatings related field assignments, contract research studies, consulting, and teaching. Chris has directed consulting and quality assurance inspection work for various transportation departments, fabrication facilities, local municipalities, and federal government facilities. His experiences have been concentrated in the bridge and heavy highway industry where he has worked as a field inspector, resident engineer, project manager, and has helped complete over $2M in research for the Federal Highway Administration. The following is a sample of his work history beginning with his current position at GPI.

Proposed Project Assignment
Constructability Review

Registration/Certifications
2006/Professional Engineer/NY/NJ/KY
SSPC Protective Coating Specialist
NACE Certified Coating Inspector
SSPC -C-3 Competent Person/Deleading of Industrial Structure

Education
BS/1993/Mechanical Engineering

Total Years Experience 22

Project Experience
Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, New York, NY; 2010-2011. Technical Advisor. This $149-million project involves the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Farschon provided analysis of material testing results and as-needed QA visits for atypical cleaning and painting activities. Client: New York City Dept. of Transportation

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2011–Present. Technical Advisor. This project involves construction management and inspection services for this $509-million rehabilitation project. The project also involves coordination of all project activities, quality assurance inspection of all rehabilitation work, and cost control and payment distribution. Activities involve several distinct areas of work including rehabilitation of the approach roadway pavement above the masonry structures; rehabilitation of the Manhattan side ramp structures; painting of the ramp structures and main span; rehabilitation of the approach steel structures; and full replacement of the York and Main Street Structures. Mr. Farschon was responsible for reviewing materials testing information and providing as-needed QA oversight for painting work. Client: New York City Dept. of Transportation

Project Manager and Lead Consultant to the Triborough Bridge and Tunnel Authority's (TBTA) Paint Group; 1998-Present. The TBTA operates and maintains nine major toll facilities in New York City with a combined structural steel square footage of over 26 million square feet. Mr. Farschon provides consulting services related to technical coatings issues at the TBTA, paint program planning, oversight audits for Authority painting contracts, and specification enhancements for Authority contracts.

Throgs Neck Bridge, Project TN-50, and Bronx-Whitestone, Project BW-84B; 1/06-5/08. Served as design engineer providing lead abatement and coatings design services under TBTA projects TN-50 and BW-84B. Mr. Farschon surveyed portions of the Throgs Neck Bridge and the Bronx-Whitestone Bridge for these projects that incorporated over $50M in corrosion control work. He was responsible for all coatings design services under subcontracts to Modjeski and Masters, Inc.

Christopher Farschon, P.E.
Project Director

Marine Parkway Bridge, Project MP-01, New York, NY; 1997-2003. Served as project manager for REI services under Triborough Bridge and Tunnel Authority (TBTA) Project MP-01, the Deck Replacement and Widening of the Marine Parkway Bridge. Mr. Farschon was responsible for project staffing, all reporting, conflict resolution, budget tracking and budget forecasting. Mr. Farschon was formerly the chief coatings inspector for this project. This project incorporated the use of a computerized document control system for all correspondence tracking.

NYCDOT Quality Assurance Oversight, Various Locations, New York, NY; 4/04-8/08. Served as project manager and lead consultant for a quality assurance oversight contract with the New York City Department of Transportation. Mr. Farschon was responsible for inspection and audit process development and implementation on this unique quality assurance project. Field auditors completed Q/A audits on multiple major painting projects in New York City. Included were the Williamsburg Bridge, Queensborough Bridge, Martha Washington Bridge, East 241st Street Bridge, Manhattan Bridge, Brooklyn Bridge, and multiple smaller bridges throughout the city. This project incorporated traffic control, staging, and environmental constrains unique to repainting on major urban bridges.

Consultant for a dispute involving the cleaning and painting of 9 lock gates for an Army Corps of Engineers facility; 10/08-12/08. Mr. Farschon reviewed the project specifications, surveyed all completed work, provided recommendations for improved contractor work procedures, and provided a report of all findings and analysis. This project involved a multi-coat vinyl coating system for immersion service.

Corson's Inlet Bridge Emergency Repair, Ocean City, NJ and Sea Isle City, NJ; 3/07-10/07. Served as design engineer for corrosion and coatings aspects for the Corson's Inlet Bridge Emergency Repair Contract. This bascule span bridge is located between Ocean City, NJ and Sea Isle City, NJ. Mr. Farschon provided painting specifications via special provision edits to the 2001 NJDOT standard specifications, developed painting cost estimates, and provided construction support services.

Stickle Memorial Bridge, Newark, NJ; 12/05-6/07. Served as design engineer for painting design support for the rehabilitation of the New Jersey DOT's Stickle Memorial Bridge in Newark, NJ. Services included a survey of the coatings and corrosion conditions of the structure, a detailed estimate of time and cost of proposed painting methods, sequencing of the painting work with the mechanical and deck replacement work, and development of NJDOT specification special provisions for field re-painting of the bridge superstructure.

Great Channel Bridge, Stone Harbor, NJ; 6/03-7/05. Served as design engineer for the rehabilitation of the Great Channel Bridge near Stone Harbor, NJ. Mr. Farschon provided detailed paint/corrosion condition surveys, provided the painting specifications via special provision edits to the NJDOT standard specifications, developed construction schedules and cost estimates of the paint work, provided construction inspection, and provided design support services. Services were for the Cape May County Public Works Department under two subcontracts.

Roosevelt Boulevard and Sea Isle Boulevard Bridges; 4/01-6/04. Served as design engineer for the repainting of the main spans of the Roosevelt Boulevard and Sea Isle Boulevard Bridges. Under contract with the Cape May County Department of Public Works, Mr. Farschon provided detailed condition surveys, provided the painting specifications via special provision edits to the NJDOT standard specifications, developed construction schedules and cost estimates of the paint work, and provided construction inspection and design support services.

Hurricane Arch Bridge, UT; 8/01-1/02. Served as design engineer for the rehabilitation of the Hurricane Arch Bridge in Utah. Mr. Farschon provided detailed condition surveys, provided the painting specifications via special provision edits to the State standard specifications, and developed construction schedules and cost estimates of the paint work.

William Ferdinandsen, Jr., P.E.
Program Manager

Professional Profile
Mr. Ferdinandsen is an engineer with extensive experience in the management and inspection of highway and bridge reconstruction projects.

Project Experience
Belt Parkway Bridges Program Management Services, Brooklyn, NY; 8/06-Present. Program Manager. This project involves program management and resident engineering and inspection services for the rehabilitation/replacement of seven bridges along a 7.5-mile section of the Belt Parkway. Mr. Ferdinandsen's responsibilities include providing overall construction management leadership and oversight of the Program Management Team from the advanced design phase of construction through final bid ready status and implementation of construction operations. This involves behind-the-scenes coordination efforts and meeting with designers, the State and City DOTs, and City, State and Federal agencies to obtain final approvals, preparation of monthly detailed reports summarizing the program status and monitoring of each project within the program to ensure they meet schedule and budget goals. Mr. Ferdinandsen provides assistance for the community outreach program which was created to allow the NYCDOT to identify and inform the multiple stakeholders of project progress and to create positive dialogue.

Proposed Project Assignment
Constructability Reviews / Technical Specialist

Registration/Certifications
1996/Professional Engineer/NY
1997/NYSDOT Maintenance & Protection of Traffic Certified
1997/NYSDOT Traffic Control Seminar/NY

Education
MS/1995/Transportation Management
BS/1989/Civil Engineering
MBA/2002/Management

Course Work
2011 - 10-Hour OSHA Training Course

Professional Affiliations
Institute of Transportation Engineers (ITE)
American Society of Civil Engineers (ASCE)
American Society of Highway Engineers (ASHE)

Total Years Experience 26

Mr. Ferdinandsen's daily responsibilities include coordination, review and resolution of: all pre-construction and construction related issues, the overall master corridor reconstruction schedule, prime and subconsultant analysis of traffic engineering and maintenance and protection of traffic (MPT) plans and schemes, landscape architecture and arborist requirements, environmental permitting requirements and enforcement; and community relations presentations and distributions. Mr. Ferdinandsen conducts comprehensive constructability reviews of the individual bridge plans and specifications to establish the most efficient means of work progression for each bridge reconstruction contract in relation to overall program requirements.

During construction, as leader of the Project Management Team, Mr. Ferdinandsen provides management oversight for Resident Engineering inspection services, including: submittal of monthly construction reports for the entire program; review of changes proposed by one (or more) contractor(s) and evaluating the impacts on other projects; approving individual Contractor's construction schedules for each Shore Parkway Bridge; preparing and reviewing a combined construction schedule for all Belt Parkway Bridges under construction; conducting bi-weekly coordination meetings with the entire staff including individual Resident Engineers and the NYCDOT Roadway Bridges Engineer-in-Charge; conducting interim meetings with the staff, Resident Engineers and other involved Agencies on an as-needed basis; and making necessary presentations to Community Boards and other involved agencies. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 5/03-6/07. Assistant Resident Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic

roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Ferdinandsen's responsibilities included the supervision of the steel reinforcement of the main tower columns, the replacement of steel and bearings on the main and intermediate towers and trusses, the abrasive blasting and recoating of the north and south trusses and the interiors of the main tower column legs, the replacement and installation of CCTV cameras and other ITS equipment, and the rehabilitation of the anchorages, suspension system, cables and cable saddles. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 12/00-5/03. Assistant Resident Engineer. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Ferdinandsen's responsibilities included the supervision of the placement of the orthotropic roadway and walkway decks on the main bridge, the demolition of existing steel and concrete roadways and walkways, and the erection of new support steel. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 3/98-12/00. Office Engineer. This $176-million project involved the construction engineering and inspection for the reconstruction of the BMT structure. Mr. Ferdinandsen's responsibilities on this project included establishment of an extensive computer database system for the tracking of all project correspondence, submittals and approval requests. Mr. Ferdinandsen also reviewed and logged all correspondence and contractor's submittals, and aided in the resolution of project technical issues in concert with the resident engineer. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 1996-2/98. Senior Inspector. This $310-million project involved the construction engineering and inspection for the reconstruction of the south inner and outer roadways. Mr. Ferdinandsen's responsibilities included resolution of project technical issues in concert with the resident engineer, preparation of construction change orders, and as-built drawing coordination. As this project was funded and administered by the NYCDOT, Mr. Ferdinandsen was able to draw significantly from his considerable experience working for NYCDOT in several divisions and capacities. Client: New York City Dept. of Transportation

New York City Dept. of Transportation - Traffic Engineering & Safety; 1995-1996. Technical Assistant to First Assistant Commissioner/Chief Traffic Officer. Mr. Ferdinandsen's responsibilities included aiding in the executive direction of all policy development and operations in the following offices of NYCDOT: Street Lighting; Traffic Signals; Central Traffic Engineering; Geometric Design and Construction; Maspeth Central Sign Shop; and Office of Safety Programs; developing transportation engineering policies and programs governing all roadway networks in New York City.

New York City Dept. of Transportation - Division of Bridges/Roadways; 1992-1995. Assistant Civil Engineer - Flags Repair Unit. As borough engineer for Manhattan and Staten Island, Mr. Ferdinandsen was responsible for reviewing, routing, and tracking all hazardous and potentially hazardous safety and structural bridge conditions ("flags"), as identified by State and City bridge inspectors and weekly field investigations.

Williamsburg Bridge, New York, NY; 1993-1995. Mr. Ferdinandsen served as project manager for all flag conditions on the main span of this bridge. He worked extensively on flag conditions on the Brooklyn, Manhattan and Queensboro Bridges as well as in the Boroughs of Queens and Brooklyn.

Mr. Ferdinandsen created and coordinated a $36-million (annual) Capital Painting Program for a ten-year period that ensured full lead abatement as well as complete protective coating on all of the larger steel bridges in the NYCDOT bridge inventory. He successfully bid nine capital painting contracts in Fiscal Year 1995.

Thomas A. Napolitano, PE
Director of Construction Services

Professional Profile
Mr. Napolitano is an extremely motivated, highly qualified engineer with over 28 years of experience in the supervision of major transportation reconstruction projects, many of which were federally funded. He has held a variety of positions, of increasingly higher responsibility, including inspector, project engineer, assistant resident engineer, resident engineer, and project manager. He has extensive experience on large-scale urban projects that required complex staging, and maintenance and protection of traffic to successfully complete.

Proposed Project Assignment
Constructability Review / Technical Specialist

Registration/Certifications
Professional Engineer: NJ # [redacted] also NY, PA, CT and FL
NACE Certified Coatings Inspector; SSPC C-3; Hazwoper

Education
BS/1990/Civil Engineering; MS/2005/Transportation

Total Years Experience 28

Project Experience

NJTA Interchange 6 to 9 Widening Program; 2009-Present, $3B. Managing Principal. GPI is providing construction management, scheduling, change order management, cost control, resident engineering, inspection and material testing services. The construction involves the addition of 170 lane miles to the New Jersey Turnpike between Interchange 6 in Burlington County, and Interchange 9 in Middlesex County. The project also includes the construction of a new toll plaza at Interchange 8 in East Windsor, Mercer County. Work occurs along approximately 34 miles of the busy highway adding three lanes in each direction between Interchanges 6 and 8A and one lane in each direction between Interchanges 8A and 9. Client: NJTA.

NJ TRANSIT Construction Management Services Task Order Contract; 2013-Present. Project Executive. GPI was selected for a three year task order contract to provide NJ TRANSIT with construction management services including constructability reviews, project scheduling and analysis, cost estimating, construction administration and document control, site inspection, vehicle inspection, shop drawing review, change order analysis, claim assistance and construction value engineering. Task Order to date is to provide Resident Engineer services for the management of construction activity of a third party contractor and NJ Transit Force Account. The assignment has a duration of 18 months and consists of the restoration of the tunnel ventilation system on the Newark City Subway.

NJDOT Route 18, Section 2F, 7E, 11H, New Brunswick, NJ; 2005-2010, $154M. Project Manager on this widening and reconstruction of more than 2 miles of this heavily traveled roadway. Project work was completed in 8 major traffic stages, and includes construction of four new bridges, 27 retaining walls, eight noise barriers, MSE abutments; HPC deck slabs, two major culverts; nine sign bridges; and five cantilever sign structures. GPI provided project management, community outreach, construction inspection, scheduling, and claims management services on this project – which is one of the largest transportation projects the NJDOT has undertaken and winner of 2010 NY Construction Transportation Project of Year! Client: NJDOT

Route 36 Highlands Bridge, Highlands and Sea Bright Boroughs, Monmouth County, NJ; 2007-2011, $125M. Project Manager. GPI provided construction inspection services on this project to replace the existing double leaf bascule bridge over the Shrewsbury River with a new high level fixed structure. The new bridge is precast concrete segmental construction - the second such bridge being built in New Jersey. The new bridge is a high-level fixed structure constructed with a slight shift in the alignment to the south at the channel while meeting the existing alignment at the east and west abutments. The project includes bridge deck widening to provide for a center median and shoulders. In addition, there are two over-head Pedestrian Bridges, one crosses over Rt/36 the other, crosses over the access road to the Gateway National Park, "Sandy Hook". The project also includes New Toll Plaza, ITS, message boards, ramps and roadways, as well as replacing all the adjacent and associated infrastructure, water, sewer, drainage and utilities; installing new highway lighting, temporary and permanent Traffic Signals, and required traffic control and highway safety items. ASCE 2011 Project of the Year. Client: NJDOT

NJTA Driscoll Bridge Rehabilitation, Middlesex County, NJ; 2006-2008, $100M. Project Manager. As a partner with PB Americas, GPI provided construction supervision services for the rehabilitation of the Driscoll Bridge over the Raritan River. The work included replacement of the existing deck with HPC, replacement of existing main girder bearings with electromeric or isolation bearings; and installation of new bolsters between existing stringers and floorbeams. Approach roadway drainage and paving and new overhead signage completed the work. GPI provided

resident engineering and construction inspection on this project - which was the single largest construction contract ever for the New Jersey Turnpike Authority. Client: NJTA

Delaware River & Bay Authority – Task Order Inspection Services; 2005-Present, $75M. Project Manager. GPI is providing construction inspection/management services on a task order basis, for various projects on any of the DRBA facilities. GPI is responsible for all aspects of the construction inspection including: establish lines of communication with the owner, contractor and designer; schedule, coordinate, attend and document all progress meetings; coordinate any meetings with outside agencies, officials or community representatives; process shop drawings and RFIs; request and approve material certifications; review and approve catalog cuts and methods of work and equipment; assure compliance with the contract plans and specifications; document daily inspection reports; evaluate and approve the quality and workmanship of all contract work; maintain as-builts; maintain orderly records of project progress, quantities and costs; process contractor Pay Certificates; review Contractor's claims/requests for change orders and make recommendations to the DRBA. Client: DRBA

Route 1&9 Rahway River Bridge, Construction Inspection; 2004-2009, $20M. Project Manager. Project involves replacement of the Rahway River Bridge carrying Route 1&9. Includes construction of 2 new 1,000'+ long, continuous span, deck placement, curved girder bridge structures (separate NB and SB structures) on new alignment alongside the existing structure; construction of realigned approach roadways; and after transitioning traffic onto the new structure, demolition of the original bridge. Passes through a very congested industrial area, with extensive local traffic, and crosses over local roadways and the Rahway River. As a result of the new alignment, private property will be taken, which will necessitate the demolition of existing buildings that contain asbestos. In addition, due to the industrial nature of the area, there are extensive areas of contaminated soils within the project limits that will require excavating and off-site management as regulated waste. Included work to side streets, rebuilding of roadway along Lawrence Ave. as well as other adjacent roadways, curb, sidewalk, driveways, street lighting, utilities, drainage, extensive traffic control. Client: NJDOT

NJDOT Route 1 & 9 Section 1K & 3M, Construction Inspection; 2006-2009, $40M. Project Manager. Project allowed for realignment of Route 1&9 to connect the existing roadway to the new Rahway River Bridge that was built during the previous contract. There was a tremendous amount of utility relocation, ROW issues, sign structures, fiber optics, electrical work, traffic signals, elaborate MPT, night work, drainage, hmac paving and roadway construction. Client: NJDOT

NJDOT Alexander Road Bridge Construction Services, West Windsor, NJ; 2006-2009, $12M. Project Manager. This $12M project consists of the replacement of the existing Alexander Road Bridge over AMTRAK's Northeast Corridor. The work includes construction of the new bridge, demolition of the existing structure, and staged construction for the replacement of the existing T intersection at North Post and Alexander Road with a roundabout. The project in very near to an NJ Transit Station and includes a detour. Client: NJDOT

NJDOT I-80 Widening, Bergen County, NJ; 2001-2003, $85M. Resident Engineer. GPI provided construction inspection services for this widening of I-80 between the Garden State Parkway and Route 17. The project included widening of several bridges over local roads, streams and railroad tracks, seismic retrofit of several bridges, retaining walls, noise walls, Intelligent Transportation System (ITS) improvements, and drainage improvements. GPI provided full services including inspection, community outreach, scheduling, and claims management. Client: NJDOT

DRPA Ben Franklin Bridge, Camden County, NJ; 1998-2000, $20M. Resident Engineer. GPI provided construction management services for this project to rehabilitate the main cables of this long span bridge. The construction work included structural repairs, painting, and opening up the main cables, repairing broken strands, applying protective oil, and rewrapping the cables to extend the service life of this regionally significant bridge. GPI provided construction inspection, scheduling, community outreach, and claims management services. Client: DRPA

Verrazano-Narrows Bridge Inspection, Structural Repairs and Painting, Staten Island, NY; 9/94-1/98, $17M. Resident Engineer. This project included performing over 600 structural steel flag repairs and painting of over 1.2 million sq ft of structural steel. Mr. Napolitano was also responsible for simultaneous management of a $3M Miscellaneous Repairs project that involved drainage, asphalt and concrete work. Mr. Napolitano's responsibilities included complete project oversight including, supervision of the contractor's operations, supervision of his own staff, coordination with other agencies and with other projects. He was also responsible for the complete oversight of the lead abatement program including; all air monitoring, and erection of two 100-ton work platforms. Client: TBTA

James Tarpey, P.E.
Resident Engineer

Professional Profile
Mr. Tarpey is an experienced resident engineer on major highway and bridge rehabilitation projects. He has been the resident engineer on the Manhattan Bridge for the past 24 years, and is held in high regard by NYCDOT for his efforts. Mr. Tarpey's experience includes aggressive schedules, extensive maintenance and protection of traffic coordination, and working with a multitude of utilities and outside agencies. He is consistently commended for his outstanding professional management and his ability to meet schedules on large, complicated projects.

Proposed Project Assignment
Constructability Reviews / Technical Specialist

Registration/Certifications
1979/Professional Engineer/NY

Education
BS/1973/Civil Engineering

Course Work
2012 - 10-Hour OSHA Training Course
2000 - OSHA Best Safety Scaffolding Task Training
1997 - 8-Hours Quality Construction of Structural Concrete
USDOT Federal Highway Administration
NYSDOT Maintenance & Protection of Traffic Trained

Professional Affiliations
American Society of Civil Engineers (ASCE)
National Association of Corrosion Engineers (NACE)

Total Years Experience 41

Project Experience
Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 9/09-Present. Resident Engineer. This $149-million project involves the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Tarpey is responsible for the communication and coordination of activities with the contractor ensuring that work is performed in accordance with the contract documents. Working closely with his assistant resident engineer, chief inspectors, project specialists, and NYCDOT EIC and other staff, he is responsible for mediating and/or negotiating extra work resulting from changes in the project scope, coordinating with all agencies, monitoring the Project Team's DBE goals, coordinating with the support consultants, and devoting every effort to ensuring that the job is accomplished on schedule. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 2/04-8/09. Mr. Tarpey served as resident engineer on this $150-million project that involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; and repair of flagged conditions. He was responsible for the communication and coordination of activities with the contractor ensuring that work was performed in accordance with the contract documents. Working closely with his assistant resident engineer, chief inspectors, project specialists, and NYCDOT EIC and other staff, he was responsible for mediating and/or negotiating extra work resulting from changes in the project scope, coordinating with all agencies, monitoring the Project Team's DBE goals, coordinating with the support consultants, and devoting every effort to ensuring that the job was accomplished on schedule. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York; NY; 2/01-2/05. Mr. Tarpey served as resident engineer for this $175-million project that involved rehabilitation of the north upper roadway approach and suspended spans; installation of a new north side bikeway; replacement of the north side truss bearings on the approaches; repainting of the north half of the bridge including the cables and trusses; and installation of an Intelligent Traffic System (ITS) including CCTV's. He was responsible for the communication and coordination of activities with the contractor ensuring that work was performed in accordance with the contract documents. Working closely with his assistant resident engineer, chief inspectors, project specialists, and NYCDOT EIC and other staff, he was responsible for mediating and/or negotiating extra work resulting from changes in the project scope, coordinating with all agencies, monitoring the project team's DBE goals, coordinating with the support consultants, and devoting every effort to ensure that the job was accomplished on schedule. Client: New York City Dept. of Transportation

James Tarpey, P.E.
Resident Engineer

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, #BRC1568C, New York, NY; 8/97-10/01. Mr. Tarpey served as resident engineer for this $124-million project which involved the rehabilitation of the Manhattan plaza area, Manhattan Arch and Colonnade; replacement of the structural steel stringer and floorbeam support system for the west side subway tracks; replacement of truss bearings on top of the piers of both approach spans; rehabilitation of eyebars anchoring one of the main suspension cables; and removal of existing paint from the entire west side, both towers and two main cables, and replacing with new coating. He was responsible for planning, staffing and supervising all aspects of project, as well as coordination with outside agencies, NYCDOT specifications and record keeping procedures. Client: New York City Dept. of Transportation

Rehabilitation of the Manhattan Bridge South Side Approach and Suspended Spans, Contract #BRC156E, New York, NY; 12/92-7/97. Mr. Tarpey served as resident engineer on this $96-million project for the repair of the approaches to the bridge leading from Flatbush Avenue in Brooklyn and Canal Street in Manhattan. This project involved the replacement of reinforced concrete-filled grid deck and structural steel stringers and diaphragms, installation of new steel expansion joints and replacement of downspout drainage system for the two west side approach spans, installation of a truss stiffening system for both west side spans and completion of the stiffening system for the east side spans, and completion of rehabilitation of pedestrian west walkway including new extension ramp in Manhattan. He was responsible for planning, staffing and supervising all aspects of project, as well as coordination with outside agencies; NYCDOT specifications and record keeping procedures. Client: New York City Dept. of Transportation

Manhattan Bridge Modification of Traveler System and Lower Level Interim Rehabilitation, Contract #D253248, New York, NY; 1990-1992. Mr. Tarpey served as resident engineer for the removal and replacement of existing track beams, removal and replacement of existing hangers including modification of partially fabricated hangers and providing new system of yokes, mechanical drive, electrical control, skew correction system and electrical feed system. Also included was the removal and disposal of existing conduits, conductor rails, pull boxes, junction boxes, mechanical machinery and electrical equipment. The project also involved interim rehabilitation to the structural steel support members for the lower roadway of the bridge, rehabilitation of floorbeams, crossbeams and ends of stringers. He was responsible for planning, staffing and supervising all aspects of project, as well as coordination with outside agencies, NYCDOT specifications and record keeping procedures. Client: New York State Dept. of Transportation

Marine Parkway Rehabilitation, New York, NY; 1990. Mr. Tarpey served as resident engineer for the rehabilitation of one of the longest vertical lift bridges in the world. The work included replacement of all wire ropes for the lift span, rehabilitation of the air buffers, rehabilitation of all mechanical elements, drainage upgrade at the toll plaza, complete replacement of deck and supporting steel for the walkway. He was responsible for planning, staffing and supervising all aspects of project, as well as coordination with outside agencies; NYCDOT specifications and record keeping procedures. Client: Triborough Bridge and Tunnel Authority

Brooklyn Bridge Rehabilitation of Main Cable, Contract #D251686, New York, NY; 1985-1990. Mr. Tarpey served as resident engineer for this project that involved replacement of suspenders, stays and cables; rehabilitation of main cable; replacement of cable wrapping wire; new timber and concrete promenades; new roadway and necklace lighting; new bearings on approaches; and complete painting of bridge and approaches including disposal of hazardous waste. He was responsible for planning, staffing and supervising all aspects of project, as well as coordination with outside agencies; NYSDOT specifications and record keeping procedures. Client: New York State Dept. of Transportation

Brooklyn Bridge Rehabilitation of Promenade and Approaches, Contract #D250383, New York, NY; 1983-1985. As office engineer, Mr. Tarpey was responsible for maintaining project office records, preparing contractor estimates and reviewing inspector's reports for completeness, accuracy and format. Client: New York State Dept. of Transportation

RESUMES

CONSTRUCTION MANAGERS / RESIDENT ENGINEERS

Resumes are presented in alphabetical order

Muhammad Khalid Ansari, P.E.
Resident Engineer

Professional Profile
Mr. Ansari is a professional engineer in New York, New Jersey and Connecticut and has more than 24 years construction inspection and construction management experience including three years as resident engineer on the New Jersey Turnpike Interchange 6 to 9 Widening Program. He has also performed constructability reviews for the Program and assisted with closeout of other contracts. In addition to the NJTA, Mr. Ansari has experience supervising large field staff for major bridge and highway projects on Route 495 (approach to Lincoln Tunnel) and other state highways, NYSDOT, NYCDOT/NYCDDC.

Project Experience
DRJTBC Easton Phillipsburg Bridge CM437A; 6/13-Present, $29.6M. Resident Engineer. This project is a multi-faceted rehabilitation of the Easton-Phillipsburg (Route 22) Toll Bridge and related facilities. Rehabilitation project elements include bridge painting, pavement repairs, deck replacement and repair, substructure repairs, bearing replacement, electrical upgrades and toll plaza upgrades. Project includes multiple bridge structures: Main River Bridge, Broad Street Viaduct, Route 22 over SR 611, Route 22 over Bank Street, Route 22 over 3rd Street and the pedestrian tunnel at Bushkill Street. The rehabilitation project elements include: pavement repairs and reconstruction throughout the facility; Main River Bridge and Broad Street Viaduct (deck removal and replacement, cleaning and painting of all structural steel, rehabilitation/replacement of deck drainage system, structural steel and substructure repairs as defined per inspection, and rehabilitate pedestrian railing); remove and replace superstructure of the Route 22 Bridge over SR 611; construct an ADA compliant ramp to the existing pedestrian tunnel under Route 22 at Bushkill Street; replace roadway and bridge lighting throughout the facility – lighting on Snyder Street to match Easton streetscape lighting; Bank Street and 3rd Street bridges (replace bridge bearings, mill and resurface bridge deck, clean and paint stringer ends and fascia beam, miscellaneous repairs); electrical upgrades to toll facility load center in Administration Building; and minor repairs and painting to toll booth facilities. Duties include being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: DRJTBC

New Jersey Turnpike Interchange 6 to 9 Widening Program; 2/10-6/13, $2.7B. Resident engineer for Contract No. T869.120.801 (approximately $14.4M) Grading, Drainage, Paving, Structures and Lighting for the Interchange 6 to 9 Widening Program SNO Roadway and Service Area 8N Ramps from Mile 74.3 to Mile 82.3 in the Townships of Monroe, South Brunswick and East Brunswick and the Borough of Milltown, Middlesex County. This 8 mile contract adds a third lane to the SNO roadway, modifies the deceleration and acceleration lanes at Service Area 8N and includes pavement, guiderail, drainage and lighting. Additionally, the contract includes the construction of a noise barrier and four overhead VMS structures. As resident engineer, Mr. Ansari is the Owner's direct on-site representative to the contractor and is responsible for the direct supervision of a construction project's field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJTA

Proposed Project Assignment
Construction Manager

Registration/Certifications
Professional Engineer: NJ, NY, CT
2012/NJSAT
2011/ACI–CCTC
2011/ACI Concrete Field Testing Tech-Grade 1
2014/Rutgers TCC Refresher
2009/Rutgers Work Zone Safety Awareness

Education
MS/1990/Transportation Engineering
BS/1988/Civil Engineering

Course Work
2013/Primavera P6 Professional Fundamentals Rel 8.3
2012/ASCE Webinar: Ethical Behavior: The Key to Earning Trust
2012/ASCE, Geosynthetics Webinar
2006/Business Writing for Managers and Professionals
2004/11-Hours, Intensive Presentation & Communication Training
2003/Construction Claims Course, American Institute for Professional Training & Development
2003/Construction Management Course, American Institute for Professional Training & Development
2000/SSPC C6 Overview of Inspection Basics in Bridge Painting
2000/NHI Course 13053 Bridge Inspection Refresher (Element Level Option)

Total Years Experience 24

Muhammad Khalid Ansari, P.E.
Resident Engineer

NJDOT Maintenance Resurfacing, Region North Contract 304; 2/09-6/10, $5M. Resident engineer on a roadway maintenance project in Hudson (Rte 495 & 3) County. Project involved reconstruction of inlets, manholes, curbs and driveways, milling and HMA paving of mainline roadway, pavement marking, and installation of weigh-in-motion device and controller. All contract works were performed during night time, and approximately 20 lane miles of roadway were milled for 2 inches and paved with HMA and SMA mixes, and at some areas full depth shoulder reconstruction were performed. The project included complex MPT. Being in close proximity to the NYC Hudson River crossings (GWB, Lincoln & Holland Tunnels), extensive coordination was done on a daily basis with the Port Authority of NY&NJ, to coordinate all works with the tunnels and GWB closures. Also, extensive coordination was required with the New Jersey Turnpike Authority due to their own work near Exit 16E. Worked nights, duties included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Responsible for MPT and performed inspection of major items of work as needed to supplement the inspection staff. Client: NJDOT.

NJTA Interchange 6-9 Widening Constructability - Constructability Reviews, NJ; 4/09-6/09. Reviewer. Responsibilities included review and comment on various construction contracts for this $2.6 billion Widening Dualization Program.

First Ring Road - Interchange Construction Project, Jabriya, Kuwait; 11/07-1/09, $125M. Resident engineer on a major and biggest interchange construction project in downtown Kuwait City. Project involved construction of three elevated bridges with 34 piers, seven at-grade bridges, five troughs with 3000 tension piles, four pedestrian bridges, three utility bridges, three MSE ramps, two retaining walls, approximately two km of box culvert (2.0m X 4.0m) installation, sanitary sewer installation by micro-tunneling, water main installation, and upgrade of approach and surrounding roadways. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, field inspection of critical items of work, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner.

Route 17 Bridge over Wallkill River (D258965), NY; 1/06-11/07, $17M. Resident engineer for the construction of 110.0m long two span post-tensioned girder bridge construction. Project involved replacement of existing three span bridge by two span pre-cast, pre-stressed, post tensioned concrete bulb-tee girders with reinforced bridge deck, median & shoulder barriers, approach & sleeper slabs, approach roadways, drainage, box-culvert, guide rail and landscaping work. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, field inspection of major items of work (beam erection, deck placement, approach roadway construction, major traffic shifts, etc), performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NYSDOT, Region 8.

Reconstruction of Reads Lane (HWQ230G-R), New York, NY; 1/03-1/06, $2M. Resident engineer for the curb-to-curb reconstruction of approximately one mile of Reads Lane. Inspection duties include installation of 8"&12"water main, 15"sanitary & storm sewer construction on timber piles, curbs & sidewalk installation, the reconstruction of roadway with 10"concrete base and 2"asphalt wearing course, MPT, night work, HMA, street and traffic signs installation, electrical poles installation, landscaping and pavement marking works. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a small Construction Project's Field Inspection/Engineering staff, performed field inspection of the major items of work due to nature of the project and the size of staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NYCDOT/NYCDDC.

Reconstruction of Sheridan Expressway, NY (D258767); 1/02-6/03, $27M. Office Engineer/Assistant Resident Engineer. Inspection responsibilities included; major items of work for the reconstruction of Sheridan Expressway MPT, night work, deck placement, bearing and pedestal replacement of Westchester Avenue bridge over I-895 as well as, bridge foundation repair of seven steel columns, which support, Bridge over Westchester Avenue. Client: NYSDOT, Region 11

Jeffrey Brugge, P.E.
Resident Engineer

Professional Profile
Mr. Brugge has 17 years of experience on construction projects in the New York metropolitan area. He served as a resident engineer, an assistant resident engineer, office engineer, community liaison, and construction inspector on a variety of projects.

Project Experience
Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 7/13-Present. Resident Engineer. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Mr. Brugge is responsible for overseeing and managing the entire construction management/inspection team, including various subconsultants and technical advisors. Client: Triborough Bridge and Tunnel Authority

Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 4/11-7/13. Assistant Resident Engineer. The $110-million project involved construction management and inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work included installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. Mr. Brugge's responsibilities included performing various pre-construction tasks by providing a constructability review and independent quantity take-off used during the qualification process of the prospective low-bid contractor. He was also responsible for assembling and implementing a job-specific Quality Management System Manual and Project Health & Safety Plan for the project. He also managed a team of inspectors through the construction supervision and documentation of 384 Auger-pressure-grouted (APG) piles followed by the placement of concrete pile caps combining for over 2000 yd3. He was involved with the implementation of various MPT schemes across the bridge; attended and assisted the client at multiple community meetings with presentations and Q&A sessions; and he also interacted with the public in their homes and businesses, addressing a variety of questions and concerns they have over the construction in their neighborhood. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY; 9/09-4/11. Assistant Resident Engineer. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. There were massive concrete placements for new concrete footings and piers. Mr. Brugge's responsibilities on the project included providing inspection supervision for the emergency underdeck concrete repairs on the Bronx Approach, coordination of MPT throughout the various stages of permanent lane closure on the Bridge, and inspection supervision of all on-grade roadway construction. Mr. Brugge also developed Engineer's Estimate for the negotiation of extra work items on the project, issued meeting minutes and worked with the client in coordinating other large scale projects on the Bridge. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation, BW-85/86/WBM-339, Bronx, NY; 3/08-9/09. Assistant Resident Engineer/Office Engineer. Provided construction management and inspection services for coating removal and application and cable/suspender rehabilitation for Project BW-85/86/WBM-339, Select Cable Panel

Proposed Project Assignment
Construction Manager

Registration/Certifications
2007/Professional Engineer/NY
2011/AWS Certified Welding Inspector
2000/ACI Concrete Field Technician Grade 1
2002/NACE Coating Inspector Level 1 - Certified

Education
BS/2000/Civil Engineering

Course Work
2011 – AWS Certified Welding Inspector Seminar
2011 - 30-Hour OSHA Construction Safety and Health Training Course
2009 - 10-Hour OSHA Training Course
2005 - Keys to Durable Concrete Course – Exterior Flatwork
2000 - NYCT Track Safety Training
1999 - NYCDOT Supervisor's Course, NYCDOT99-153

Professional Affiliation
American Society of Civil Engineers (ASCE)

Total Years Experience 17

Jeffrey Brugge, P.E.
Resident Engineer

Opening/Suspender Rope Removal and Replacement and Painting at the Bronx-Whitestone Bridge. Mr. Brugge's responsibilities included supervising a team of inspectors ensuring proper inspection and documentation of suspender rope replacement, unwrapping/wedging/rewrapping of the Main Cable, removal and replacement of select main cable wires for sampling purposes as per the BTC method and the NCHRP, tensioning of cable band bolts, testing and documentation of the surface preparation and painting of all suspender ropes, main cables, the exteriors of the Bronx and Queens towers, and select area inside the towers. The work included various types of containments, methods of surface preparation, and paint application. Mr. Brugge maintained all documents related to the project using a filing system and method approved by the client, created and maintained various correspondence logs using database programs and reviewed scheduling updates via Primavera Project Planner. Mr. Brugge coordinated lane closures and construction with various contractors working within the facility. Mr. Brugge attended project meetings where he recorded and issued minutes. Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 2/05-3/08. Senior inspector on this $150-million project that involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in approaches and suspended spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; and repair of flagged conditions. He was responsible for inspection of removal/replacement of lower roadway including deck, stringers and floorbeams and maintenance and protection of traffic (MPT). He was also involved with the inspection of anchorage rehabilitation including replacement of 7 in., 9 in. and 18 in. thick floors; vertical and overhead concrete spall repairs to walls and ceiling; crack sealing by epoxy injection and chemical grouting; re-routing of output ducts for the dehumidification system; security upgrades to the anchorage including the installation of new windows and gratings; and rehabilitation of the Brooklyn Bridge Plaza Park including planting of new trees, placement of architectural concrete (lithocrete), installation of new drainage system and lighting. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York; NY; 7/01-2/05. Senior inspector for this $175-million project that involved rehabilitation of the north upper roadway approach and suspended spans. He inspected the removal/replacement of north upper roadway including deck, stringers and floorbeams, MPT, rehabilitation of the colonnade arch which included complete renovation of the five floors of interior, new stairs, walls, elevator, HVAC, fire and intrusion alarms. Client: New York City Dept. of Transportation

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, #BRC1568C, New York, NY; 2/01-7/01. Inspector. This $124-million project involved the rehabilitation of the Manhattan plaza area, Manhattan Arch and Colonnade; replacement of the structural steel stringer and floorbeam support system for the west side subway tracks; replacement of truss bearings on top of the piers of both approach spans; rehabilitation of eyebars anchoring one of the main suspension cables; and removal of existing paint from the entire west side, both towers and two main cables, and replacing with new coating. His responsibilities included inspection of the erection of structural steel and MPT. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, New York, NY; 5/00-2/01. Construction Inspector. This project involved REI services to replace the entire approach structure and the framing/deck areas on the main bridge. This involved the reconstruction of the north inner and outer roadways. Mr. Brugge's responsibilities included preparation for demolition and removal of bridge deck, and installation of orthotropic bridge deck. He also verified measurement and force accounts. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BB, New York, NY; 6/99-8/99. Construction Inspector. Operations covered included modification of bracing struts at the Manhattan/Brooklyn towers, repair of south truss bottom chord, and removal and replacement of bearing grease pan covers at various locations on the main bridge. Responsibilities involved inspections at Manhattan/Brooklyn approach pier caps; preload Manhattan/Brooklyn pier cap anchor bolts; lateral brace and web reinforcement repairs main span; demolition of Manhattan/Brooklyn approach BMT structure; pre-assembly of TA track girders; at Brooklyn approach TA track girders; and installation of Brooklyn approach debris shield. Construction cost: $176 million. Client: New York City Dept. of Transportation

Daniel Chasse, P.E.
Resident Engineer

Professional Profile
Mr. Chasse is a qualified construction inspector with experience in the inspection of major suspension bridge rehabilitation projects in the New York City area.

Project Experience
Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 11/13-Present. Chief Inspector. The $110-million project involves construction management and inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work includes installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. Mr. Chasse's responsibilities include supervision of the Contractors daily field work activities. These activities include demolition of existing superstructure (concrete deck, girders, floorbeams and bracing); installation of new steel (girders, bearings, and bracing); placement of new concrete deck (haunches, studs, rebar and concrete); longitudinal grooving and sealing of new deck; and MPT stage switches. Mr. Chasse's office duties include reviewing Inspectors daily reports; reviewing shop drawings; preparing change order estimates; communicate with Client and Contractor on a daily basis; and attend/hold construction meetings. Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 3/10-11/13. Assistant Resident Engineer. This $149-million project involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Chasse was responsible for supervision of daily work activities out on the job site which includes rehabilitation to the suspended spans main cable, installation of new access platforms at towers, retro-fit of subway track stringers, replacement of tower bearings, replacement of south upper roadway lighting system, daily maintenance and protection of traffic (MPT) operations and seeing that the Contractor is adhering to their Health and Safety Plan. Office duties include reviewing Inspectors daily reports, preparing Engineers daily diary, reviewing Contractors monthly pay estimates, Time and Material work, preparing and reviewing Contractors change orders, reviewing Transit Authority monthly payments and communicating with the Client and other agencies on a daily basis as needed. Client: New York City Dept. of Transportation

Verrazano-Narrows Bridge Rehabilitation of Structural Steel Repairs, VN-32, New York, NY; 1/09-3/10. Resident Engineer. This project involved construction administration, on-site inspection, and testing and support services. Included repair of deteriorated subfloorbeams, stringers, stiffener/connection plates, cracked/broken missing welded connection plates, reinforce deteriorated stringer top flange and remove and replace deteriorated bolts, rivets, and drainage piping. Mr. Chasse's responsibilities included preparing Engineer's daily project diary and monthly progress reports; preparing agenda, conducting job meetings and distributing minutes from job meetings; ensuring that contract administration, quality control, schedule control and safety are properly adhered to; holding weekly safety meetings with field staff; answering questions directed by TBTA and contractor; touring jobsite on a daily basis to inspect work activities; reviewing contractor's submittals such as Health and Safety Plan, QA Plan,

Proposed Project Assignment
Construction Manager

Registration/Certifications
2004/Professional Engineer/NY
2000/AWS Certified Welding Inspector
1997/NACE Coating Inspector Level 1 - Certified
1997/NYSDOT Maintenance & Protection of Traffic Certified

Education
BS/1994/Civil Engineering

Course Work
2009 - 10-Hour OSHA Training Course
ACI Concrete Field Testing Technician Grade Level I Trained

Professional Affiliations
American Society of Civil Engineers (ASCE)
American Welding Society (AWS)
National Association of Corrosion Engineers (NACE)

Total Years Experience 20

Daniel Chasse, P.E.
Resident Engineer

RFI's along with others and providing comments to TBTA and contractor; visiting off site fabrication plants to witness fabrication of steel, coating applications and shop assembly; reviewing and commenting on contractor's test reports; reviewing inspectors daily reports (IDR'S); and communicating and working with outside agencies such as United States Coast Guard and with other consultants at the facility where there is interference between jobs. Client: Triborough Bridge and Tunnel Authority

Verrazano-Narrows Bridge Rehabilitation of the Lower Level Approaches, VN-17A, New York, NY; 4/07-1/09. Assistant Resident Engineer. This project involved the administration and quality assurance inspection of all work associated with the rehabilitation of the lower level approaches of the Verrazano-Narrows Bridge. Mr. Chasse's responsibilities included assigning inspectors their daily work operations, overseeing inspectors out in the field and providing any assistance they might need regarding field inspection, performing field inspections for removal and installation of new approach span deck, attending progress meetings along with other various type meetings and providing assistance to the resident engineer on a daily basis. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY; 7/04-4/07. Senior Inspector. This $150-million project involved the reconstruction of the suspended spans deck with an orthotropic steel deck. The project also involved the installation of new maintenance travelers, electrical and communications systems, fire protection system and inspection platforms. Mr. Chasse's responsibilities included inspection of demolition of existing deck elements and installation of approximately 260,000 sq ft of orthotropic deck. Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York; NY; 12/03-7/04. Senior Inspector. This $175-million project involved rehabilitation of the north upper roadway approach and suspended spans; installation of a new north side bikeway; replacement of the north side truss bearings on the approaches; repainting of the north half of the bridge including the cables and trusses; and installation of an Intelligent Traffic System (ITS) including CCTV's. Mr. Chasse's responsibilities included reviewing contract records and analysis of time and material reports for possible claim by contractor. He also met with the resident engineer and contractor staff to verify MURK forms. Client: New York City Dept. of Transportation

Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure, Phase I - TB-63, New York, NY; 11/00-11/03. Senior Inspector. The $125-million project was actually comprised of two major reconstruction efforts: the complete replacement of the Randall's Island Junction Structure, and the redecking of the Bronx Approach. Mr. Chasse's responsibilities included structural steel erection; concrete placement of footings, columns and piers; and installation of multi-rotational seismic bearings. Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, #BRC1568C, New York, NY; 9/97-10/00. Mr. Chasse served as senior inspector on this $124-million construction project, which involved the rehabilitation of the historical Manhattan plaza, arch and colonnade; replacement of the structural steel stringer and floorbeam support system for the south side subway tracks; replacement of the truss bearings on the piers of the approach spans; and recoating of the south side of bridge including both towers and two main cables. His responsibilities included inspection of subway floorbeams, stringers and track removal, lead paint containment, bridge jacking, and concrete testing. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 4/99-5/99. Inspector. This $176-million project consisted of the demolition and reconstruction of the entire BMT transit structure on the Williamsburg Bridge. Mr. Chasse was responsible for organizing and leading the quality assurance inspections and quantity reporting for all structural steel and reinforced concrete demolition and construction on this project. Client: New York City Dept. of Transportation

Manhattan Bridge West Side Approach and Suspended Spans Rehabilitation, Contract #BRC156E, New York, NY; 7/94-4/97. Inspector. Mr. Chasse's responsibilities on this $96-million project included inspection of reconstruction of west walkway - replacement of steel supported concrete grid deck and fencing across entire bridge; reconstruction of west upper roadway approach and suspended spans; replacement of roadway stringer beams and new concrete deck with waterproofing system and micro surfacing overlay; rehabilitation of trusses - replace/reinforce corroded truss components, lacing bars, batten plates, truss diagonals and truss chords; stiffening of trusses and new upper/lower lateral end frames; rehabilitation of walkway and replacement of deteriorated wires of the main cable; east maintenance walkway - new open grating across entire bridge; and monitoring MPT. Client: New York City Dept. of Transportation

Ilya Gologorskiy, P.E.
Resident Engineer

Professional Profile
Mr. Gologorskiy is a resident engineer with over 25 years of highway/roadway bridge construction engineering and inspection experience in urban infrastructure construction projects.

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 11/13-3/14. Resident Engineer. This project involved construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project replaced more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Gologorskiy was responsible for evaluation of the proposed project change orders; quantity and price estimate of the project changes; and price negotiation with the contractor. Client: Port Authority of NY & NJ

REI Services in Connection with the Protective Coating of Various Bridges in the Bronx, Bronx, NY; 3/14-Present. Resident Engineer. This project involves resident engineering and coatings inspection during repainting of various bridges in Bronx, NY. Mr. Gologorskiy is responsible for reviewing contractor's submittals, including maintenance and protection of traffic (MPT) plans, shop drawings, design calculations, catalog cuts; providing engineering clarification; verifying compliance of installation and removal of Class 1A, Class 3P and rapid deployment containments with approved plans, details and specifications (SSPC); reviewing contractor's schedules and implementing necessary adjustments; reviewing contractor's payment requisitions and providing client with the engineer's estimate for the payments and generating all related documentation; resolving all environmental issues related to containment, lead abatement and waste management; and overseeing and coordinating all MPT related operations during day and night shifts. Client: New York City Dept. of Transportation

Staten Island Railroad Bridges, Staten Island, NY; 6/11-11/13. Resident Engineer. This project involved resident engineering and inspection services in connection with protective coating of Staten Island Railroad (SIRR) Bridges. Mr. Gologorskiy was responsible for reviewing contractor's submittals, which included but was not limited to, maintenance and protection of traffic (MPT) plans, shop drawings, design calculations, catalog cuts; providing engineering clarification; verifying compliance of installation and removal of Class 1A, Class 3P and rapid deployment containments with approved plans, details and specifications (SSPC); reviewing contractor's schedules and implementing necessary adjustments; reviewing contractor's payment requisition and providing client with the engineer's estimate for the payments and generating all related documentation; resolving all environmental issues related to containment, lead abatement and waste management; and overseeing and coordinating all MPT related operations during day and night shifts. Mr. Gologorskiy coordinated the project operations with SIRTOA and MTA. Client: New York City Dept. of Transportation

Recoating of Six Belt/Shore Parkway Bridges, Brooklyn, NY; 3/10-6/11. Resident Engineer. This $5-million project included old paint removal and new paint application at six bridge locations over the Belt/Shore Parkway in Brooklyn, NY. Mr. Gologorskiy was responsible for reviewing contractor's submittals, which includes but is not limited to, maintenance and protection of traffic (MPT) plans, shop drawings, design calculations, catalog cuts; providing engineering clarification; verifying compliance of installation and removal of Class 1A, Class 3P and rapid deployment containments with approved plans, details and specifications (SSPC); reviewing contractor's schedules and implementing necessary adjustments; reviewing contractor's payment requisition and providing client with the engineer's estimate for the payments and generating all related documentation; resolving all environmental issues related to containment, lead abatement and waste management; and overseeing and coordinating all MPT related operations during day and night shifts. Client: New York City Dept. of Transportation

Proposed Project Assignment
Construction Manager

Registration/Certifications
2008/Professional Engineer/NY
2013/NACE Certified Coating Inspector Level 3

Education
BS/1986/Civil Engineering

Course Work
2011 - Practicing Institute of Engineering, Inc.- PS[redacted]
10-Hour OSHA Training Course
1995-1996 Advance Computer Courses for Economical Professionals
1989-1990 Computer Courses in Kiev State University
NYCDDC Concrete Field Testing Certified
ACI Concrete Field Testing Technician Grade Level I Trained

Total Years Experience 28

Ilya Gologorskiy, P.E.
Resident Engineer

Reconstruction of Sands Street, Brooklyn, NY; 2008-2010. Mr. Gologorskiy served as resident engineer on this $4-million project which included the installation of a new bike lane and reconstruction of the street drainage system; concrete curbs and sidewalks; concrete base and asphalt pavement; 12-in. combined sewer; 20-in. distribution water main; and street lighting, traffic control and fire alarm systems. Client: New York City Dept. of Design and Construction

Reconstruction of Flushing Avenue, Brooklyn, NY; 2004-2010. Resident/Office Engineer. This $44-million project included reconstruction of 30-in. to 72-in. trunk water main; 8-in. to 20-in. distribution water main; 15-in to 54-in. combined sewer; street drainage system; concrete curbs and sidewalks; concrete road base and asphalt pavement; and street lighting, traffic control and fire alarm systems. This project involved New York State funding. Mr. Gologorskiy reviewed the contractor's schedule (prepared with MS Project); requested and/or implemented necessary adjustments during project duration; maintained and kept all contract documentation; computerized contractor's payment and quantity record system; as-built drawing and support documentation; reviewed and approved trunk main geometry and fabrication drawings, road design drawings, sheeting design, etc.; requesting all documents necessary for contract change orders from the contractor and/or utility companies; negotiating with contractor regarding technical procedures and price for the work and materials under the change orders; estimating new items price and time and material needed; producing, submitting and getting approval of four overruns and 26 change orders for pier/plate protection system, restoration of 32-in. sewer with DEP approved lining method, curb design and layout; additional distribution water main, building underpinning, etc.; renegotiating with the contractor prices for the existing contract items; working with NYCDOT, NYCDEP and NYSDOT; and coordinating with utility companies, subconsultants and community. Client: New York City Dept. of Design and Construction

Installation of Pedestrian Ramps, Brooklyn, NY; 2002-2004. Resident Engineer. This $4-million project included reconstruction of more than 2,000 corners in the Borough of Brooklyn. He was responsible for a crew of five inspectors and office engineers. Mr. Gologorskiy worked closely with New York City Dept. of Design and Construction and the New York City Dept. of Transportation. Client: New York City Dept. of Design and Construction

Installation of Pedestrian Ramps, Citywide, NY; 2000-2002. As office engineer, Mr. Gologorskiy was responsible for maintenance of all project documents per NYCDOT Manual of Uniform Record Keeping (MURK) including inspector's daily reports, payment items, and monthly payment requisitions; keeping all invoice and project documentation (correspondence, data sheets, QA and DDC reports, approvals, etc.); maintaining computerized engineer's estimate system; and maintaining computerized contractor's payment and quantity record system using Microsoft Access database and Microsoft Excel spreadsheets. Client: New York City Dept. of Design and Construction

Citywide Resurfacing Contract, NY; 1999-2000. Office Engineer. Mr. Gologorskiy was responsible for maintenance of all project documents per NYCDOT MURK including inspector's daily reports, payment items, monthly payment requisitions; maintenance of computerized engineer's estimate; and maintenance of computerized contractor's payment and quantity record system using Microsoft Access database and Microsoft Excel spreadsheets. Client: New York City Dept. of Design and Construction

Reconstruction of 16th Avenue Bridge, Brooklyn, NY. Assistant Office Engineer. Mr. Gologorskiy assisted the office engineer with recordkeeping in accordance with MURK; assisted with revision of the inspector's daily reports; and kept records of safety and project meeting minutes. Client: New York City Dept. of Transportation

Route 9A Reconstruction, New York, NY. Inspector. Mr. Gologorskiy was involved the inspection of water main replacement, installation of electrical lines for Con Edison, installation of new and adjustment o the old electrical boxes. The project also involved performing field tests, calculations and maintenance.

Citywide Resurfacing Contract, NY; 1998-1999. Inspector. Mr. Gologorskiy supervised the excavation, compaction of the subgrade, form preparation and pouring the concrete for the concrete curbs and sidewalks; supervised installation of the new concrete base for pavement, adjustment and modification of the existing utility structures, grinding of existing asphaltic concrete wearing course paving of the new asphaltic concrete wearing course; performed field concrete tests including slump test, air content test and preparation of the cylinders for laboratory tests; performed MPT during the construction; performed the field measurements and calculation of the estimating of the work quantities; and performed elevation measurements. Client: New York City Dept. of Design and Construction

Robert Leo, P.E.
Resident Engineer

Professional Profile
Mr. Leo is an assistant resident engineer with extensive construction experience on reconstruction projects within the New York area.

Proposed Project Assignment
Construction Manager

Registration/Certifications
1999/ACI Concrete Field Technician Grade 1/NY
1999/AWS Certified Welding Inspector
1998/NACE Coating Inspector Level 1 - Certified
2006/Professional Engineer/NY

Education
BS/1995/Civil Engineering
MS/2001/Civil Engineering-Construction Management

Course Work
2009 - SSPC Lead Paint Removal (C-3)
2008 - 10-Hour OSHA Training Course, #001872364
1998 - NYCT Track Safety

Total Years Experience 19

Project Experience
Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 12/12-Present. Assistant Resident Engineer. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Mr. Leo is currently responsible for providing supervision and oversight during the abrasive blasting/painting of main bridge north/south/median truss cells and joint locations, relocation of existing upper level luminaires, removal of existing upper level light poles, removal of upper level junction boxes, water main installation along service road, installation of Safespan shielding underneath the entire upper roadway from anchorage to anchorage, installation and removal of Safespan cell and joint work platforms underneath the lower roadway, installation of temporary construction signs and daily MPT operations. He reviewed the Contractor's Health and Safety Plan, Lead Health and Safety Plan, Emergency Demobilization Plan, Emergency Contingency Plan, Confined Space Plan, Fire Protection Plan, Maintenance and Protection Drawings, Underdeck Shield Installation Plans and Waste Management Plan. Mr. Leo is also responsible for performing quantity take offs for various electrical, painting, and structural steel and concrete items. Client: Triborough Bridge and Tunnel Authority

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 9/12-12/12. Assistant Resident Engineer. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Leo provided supervision and oversight during the installation, alignment, shielded metal arc welding, carbon arc gouging and submerged arc welding of the Franklin Square Arch Orthotropic Deck panels. He was also involved with orthotropic deck panel measurements being taken which includes diaphragm/floorbeam offsets, root openings, vertical alignment, warpage and shrinkage; checking and monitoring welding parameters per approved WPS such as filler metals, electrode size, amperage, voltage, travel speed, preheat, interpass temperature, post heat and post cool are checked and monitored; checking and monitoring SMAW and SAW welding electrodes and submerged arc welding flux handling and storage requirements; and observing and properly documenting magnetic particle testing and ultrasonic testing for welds. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 12/04-3/10 as Chief Inspector; 3/10-9/12. Assistant Resident Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic

footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Leo's responsibilities included supervision and oversight during Manhattan/Brooklyn tower wind tongue system replacement, seismic retrofit of intermediate towers, main cable neoprene wrapping, suspender rope adjustments, removal/replacement of existing traveler system, rehabilitation of existing north Brooklyn/Manhattan anchorage comfort station, replacement of Manhattan/Brooklyn tower bracing members for panel point 30 bearing replacement, boring for pin installation, and the replacement of PP 10/15 roller bearings, modular joint rehabilitation and Kent Avenue bulkhead restoration. Client: New York City Dept. of Transportation

Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct - TB-64A, Queens, NY; 5/02-12/04. Team Leader. This project involved REI services to replace the Queens Approach span deck with pre-cast panels, and replace the suspension bridge roadway with a new orthotropic deck panel system. Mr. Leo's responsibilities on this $165-million project included inspection and oversight during road deck saw-cutting, road deck removal; installation, fit-up and SMAW/SAW welding of new orthotropic deck section; fit-up and electroslag welding of Queens anchorage and Wards Island/Queens tower modular expansion joint separation beams; checking/verifying east and west main cable band bolt tension; the inspection and oversight during replacement of Wards Island anchorage upper/lower truss pins and wind pin; T48 bonded surface aggregate application; stud welding of side barriers and installation; survey of orthotropic panel locations; relocation and re-setting of existing side barriers; inspection of welding procedure and welder qualification test plates for conformance with AWS standards; and quality assurance and documentation of all work operations for compliance with contract specifications and applicable regulations, codes and standards. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 9/00-5/02. Team Leader. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Leo's responsibilities included the inspection of the north wind chord repairs; north truss bottom chord repairs; demolition of north roadway floorbeams, stringers, railing and grating; the fit-up of orthotropic deck; submerged arc welding of orthotropic deck, floorbeam, lateral brace and orthotropic deck installation, barrier installation, north footwalk demolition and shear connector installation; inspection of rock and soil piles with the Tubex method on the Manhattan and Brooklyn approach; abrasive blast paint removal and painting of existing floorbeams and bottom chords on main span; inspecting existing floorbeam and lateral brace repairs; monitoring shrinkage and warpage at submerged arc welded orthotropic deck joints; inspection of north outer roadway orthotropic deck shot blasting; and Stirling Lloyd waterproofing membrane application and Trinidad asphalt paving. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 7/98-9/00. Inspector. Operations covered included modification of bracing struts at the Manhattan/Brooklyn towers, repair of south truss bottom chord, and removal and replacement of bearing grease pan covers at various locations on the main bridge, and finalizing structural steel items. His responsibilities on this $176-million project involved inspection of Manhattan/Brooklyn approach pier caps; preload Manhattan/Brooklyn pier cap anchor bolts; lateral brace and web reinforcement repairs main span; demolition of Manhattan/Brooklyn approach BMT structure; pre-assembly of TA track girders; set Brooklyn approach TA track girders; installation of Brooklyn approach debris shield; inspection of abrasive blast paint removal and painting of existing overhead truss above BMT structure on main span; inspection of south inner/outer orthotropic deck shot blasting; Stirling Lloyd waterproofing membrane application and Trinidad asphalt paving. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 9/96-7/98. Inspector/Field Engineer. This $310-million project involved the construction engineering and inspection for the reconstruction of the south inner and outer roadways. Mr. Leo's responsibilities included field measurements, inspection of contractor's conformance to contract plans and specifications, and preparation of inspector's daily reports. Mr. Leo was responsible for preparing daily MURK II forms for American Bridge on the Williamsburg Bridge. Client: New York City Dept. of Transportation

Marc Matalon, P.E.
Resident Engineer

Professional Profile
Mr. Matalon is an experienced engineer in all areas of bridge, highway, and site construction and rehabilitation. He has been in charge of engineering duties on large bridge and tunnel rehabilitation projects, and has been commended by clients for his exceptional organization skills.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 9/13-Present. Assistant Resident Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Matalon is the lead GPI full-time field representative on the project. He works directly with Port Authority project staff in coordinating work operations between the contractor and the Bayonne Bridge operations staff. Mr. Matalon's duties include the organization of technical meetings, progress meetings and schedule meetings. He also coordinates construction inspection staff on a daily basis by matching contractor activities with GPI QA inspection staff. Client: Port Authority of NY & NJ

Proposed Project Assignment
Construction Manager

Registration/Certifications
1996/Professional Engineer/NY

Education
BS/1987/Civil Engineering

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2009 - Practicing Institute of Engineering, Inc.- PS[redacted]
2008 - 10-Hour OSHA Training Course
2004 - Practicing Institute of Engineering, Inc.- PS[redacted]
Work Zone Safety PDH
2004 - Maintenance & Protection of Traffic Work Zone Safety
2004 - MTA NYCT Track Safety
2000 - OSHA Best Safety Scaffolding Task Training Course
SSPC C-3 Deleading Supervisor/Competent Person
NACE Coatings Inspector Level I Trained

Professional Affiliations
American Society of Civil Engineers (ASCE)
National Association of Corrosion Engineers (NACE)

Total Years Experience 27

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Contract #HBK1091, Brooklyn, NY; 9/09-8/13. Resident Engineer. The project involved demolition of entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and substructures, including abutments, wingwalls, and pier columns and footings; installation of a new single span replacement bridge consisting of a steel multi-stringer superstructure with reinforced concrete deck and substructures, including reinforced concrete abutments and wingwalls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadways and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage and planting. Mr. Matalon was responsible for the resident engineering inspection of all aspects of this $60-million project. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 2/05-8/09. Assistant Resident Engineer. This $150-million project involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge in suspended and approach spans; and repair of flagged conditions. Mr. Matalon was responsible for supervision of office staff and directly assisted resident engineer in supervision of all daily activities. He was also responsible for overseeing the maintenance of the project records in conformance with the Manual of Uniform Record Keeping (MURK) and for processing contractor monthly payments, and for monitoring contractor EEO compliance. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York, NY; 2/01-2/05. Assistant Resident Engineer/Office Administrator. This $175-million project involved rehabilitation of the north upper roadway approach and suspended spans; installation of a new north side bikeway; replacement of the north side truss bearings on the approaches; repainting of the north half of the bridge including the cables and trusses; and installation of an Intelligent Traffic System (ITS) including CCTV's. Mr. Matalon was responsible for supervision of office staff and assistant to resident engineer for all daily activities. He was also responsible for

change orders and processing daily time and material records in conformance with NYSDOT Manual of Uniform Record Keeping (MURK). Client: New York City Dept. of Transportation

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, #BRC1568C, New York, NY; 1997-10/01. Assistant Resident Engineer/Office Administrator. This $124-million project involved the rehabilitation of the Manhattan plaza area, Manhattan Arch and Colonnade; replacement of the structural steel stringer and floorbeam support system for the west side subway tracks; replacement of truss bearings on top of the piers of both approach spans; rehabilitation of eyebars anchoring one of the main suspension cables; and removal of existing paint from the entire west side, both towers and two main cables, and replacing with new coating. Mr. Matalon was responsible for supervising an office staff of six, including an office engineer and assistant office engineer in the performance of all field office administrative duties for this construction project. Client: New York City Dept. of Transportation

Rehabilitation of Ventilation, Mechanical, Electrical and Drainage of Three Vehicular Tunnels, Battery Park Underpass, First Avenue Tunnel, Park Avenue Tunnel, Contract #HBMC023, New York, NY; 1999. Resident Engineer. Mr. Matalon was responsible for the supervision of all aspects of this $17-million project, including coordination with various agencies affected by this work such as NYSDOT, NYC Parks Dept., United Nations, and local community associations. A vital part of the interaction with these agencies involved coordinating the maintenance and protection of traffic (MPT) for the three tunnels as they are all located in heavily populated areas of Manhattan with high traffic volumes that can be directly affected by the installation of motorized fan motors and rehabilitation of fan housings bearings, fan supports and dampers at Battery Park Underpass; installation of new CO monitoring systems at all three tunnels; installation of new electrical systems in all three tunnels including new motor control centers and programmable logic controllers; installation of new lighting controls, new traffic controls and signals for all three tunnels; complete replacement of the roadway lighting systems at Park Avenue Tunnel and refurbishing the existing roadway lighting at First Avenue Tunnel and Battery Park Underpass; cleaning, repairing and relining the existing drainage systems in all three tunnels and installation of a new standpipe system in the Battery Park Underpass. Client: New York City Dept. of Transportation

Manhattan Bridge South Side Approach and Suspended Spans Rehabilitation, Contract 5, #BRC156E, New York, NY; 1992-1997. Assistant Resident Engineer. This $96-million project involved CEI for the rehabilitation of south side Manhattan and Brooklyn approaches extending from Flatbush Avenue in Brooklyn to Canal Street in Manhattan. Work involved the replacement of reinforced concrete-filled grid deck and structural steel stringers and diaphragms, installation of new steel expansion joints and replacement of downspout drainage system for the two west side approach spans, installation of a truss stiffening system for both west side spans and completion of the stiffening system for the east side spans, and completion of rehabilitation of pedestrian west walkway including new extension ramp in Manhattan. Mr. Matalon was responsible for supervising an office staff of five, in the performance of all construction field office administrative duties for this rehabilitation project. Client: New York City Dept. of Transportation

Manhattan Bridge Traveler System and Lower Level Interim Rehabilitation, #D253248, New York, NY; 1990-1992. Office Engineer. Mr. Matalon was responsible for analyzing contractor's cost proposals and derived independent engineer's cost estimates for extra work, field inspected change order requests, drafted order-on-contracts, wrote contract specifications, created and maintained automated filing system using microcomputers for shop drawings, correspondence, change orders, etc. He acted as liaison between contractor, engineer-in-charge and resident engineer and worked directly with the EIC and NYSDOT Region 11 personnel on contract termination, including the review of claims, negotiation of legitimate payment to the contractor, and finalization of the D500040 contract. Client: New York State Dept. of Transportation

Manhattan Bridge New Maintenance - Reconstruction of Westerly Walkway, #D500040, New York, NY; 1987-1990. Assistant Office Engineer. Mr. Matalon was responsible for computation of the monthly estimate for payment to the contractor, review and log of inspector's daily reports and shop drawings, performed independent cost estimates for extra work, performed field inspection for quality control, assisted office engineer and resident engineer with all administrative duties. Client: New York State Dept. of Transportation

Jimmy Moorey, P.E.

Assistant Resident Engineer

Professional Profile
Mr. Moorey possesses the following experience.

Proposed Project Assignment
Construction Manager

Registration/Certifications
2012/Professional Engineer/NY

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
10-Hour OSHA Training Course

Professional Affiliations
American Society of Civil Engineers (ASCE)
DFI

Total Years Experience10

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 5/13-Present. Chief Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Moorey is the lead geotechnical inspector on the project. He is responsible for ensuring that over 200 six-ft-diameter drilled shafts are constructed in accordance with the project plans and specifications. He is overseeing the drilled shafts test program including O-cell load test and production shafts installation; integrity checks including rock socket sidewall video camera inspection to ensure quality of rock socket and to confirm permanent casing tip is properly seated into competent rock; and mini-SID inspections to ensure the proper cleanout of the base of the shaft. Also, crosshole sonic testing is used to confirm the integrity of the concrete inside the drilled shafts. Additionally, he is providing oversight for the H-pile and open-end pipes driving program including PDA (Pile Driving Analyzer) tests, sub-surface investigations, support of excavation, rock anchors including pull test, mechanically stabilized earth wall, bridge demolition, bridge segmental, geotechnical instrumentation and monitoring. Client: Port Authority of NY & NJ

World Trade Center, New York, NY; 4/08-1/09; 7/10-3/11. At Tower 2 and the Port Authority Vehicle Security Center, Mr. Moorey served as lead resident geotechnical engineer/inspector for excavation support systems, depth and shallow foundations, rock anchors and tie-back. At the FREEDOM Tower and Tower 3 and Tower 4, Mr. Moorey served as resident engineer/inspector working under a New York State registered engineer/supervisor for excavation support systems, drilled shaft depth and shallow foundations.

2nd Avenue Subway, New York, NY; 1/09-4/09. Mr. Moorey served as resident engineer/inspector for excavation support systems.

CUNY/BMCC - Fitterman Hall, New York, NY; 1/10-7/10. Resident engineer/inspector for depth foundations.

CUNY/City College - Advanced Science Research Center, New York, NY; 1/09-1/10. Mr. Moorey served as resident engineer/inspector for shallow foundations.

The Edge of Williamsburg, New York, NY; 10/07-4/08. Mr. Moorey served as resident engineer/inspector working under a New York State registered geotechnical supervisor for depth foundations.

Newark Airport Traffic Operations Services (On-Site), Newark, NJ; 2006. Junior Technician. This project involved performing day-to-day on-site traffic operational services as well as various field studies, traffic engineering analyses and CADD drafting services under the direct supervision of the Port Authority traffic engineering staff. Various engineering and operational assignments under the 2002/2003/2004 Technical Support Service agreement for this facility have been successfully completed. Mr. Moorey's responsibilities on this project included sign inspection and cost estimate. Client: Port Authority of NY & NJ

Town of Hempstead Sign Management System: Design & Implementation, Merrick, NY; 2006. Junior Technician. This project involved performing inventory on 25,000 traffic signs on Town roadways and developing

a digital sign management system for Town employees' use. The project also involved developing contract drawings and providing construction inspection. Mr. Moorey was responsible for ball banking; signs inspection; and field investigation. Client: Town of Hempstead

Re-routing Vehicles for Cypress Hills Cemetery Bridges over the Jackie Robinson Parkway, Queens, NY; 1/06-3/06. Junior Technician. This fast-paced project involved the development of alternative detours for re-routing traffic during the closure of the Jackie Robinson Parkway, and the design of the Maintenance and Protection of Traffic (MPT) scheme, including all signs, control devices and VMS's required within the project limits for the approved detours. Mr. Moorey's responsibilities included field visit to conduct detour route inventory; review of traffic analysis (Synchro and HCS spreadsheet); quantity estimation; preparation of presentation materials for various DOT meetings; traffic signs design to accommodate traffic during demolition; and CADD drafting. Owner: New York City Dept. of Transportation

Other experience Mr. Moorey possesses includes:

Depth Foundations
Resident engineer with numerous responsibilities including: performance of control inspection of various types of drilled piles including rock socket drilling, rock socket video inspection in accordance with NYC Building Code; monitoring pile driving operations including H-piles, titan piles, closed-end taper tube piles, pre-stress concrete piles, timber piles, and closed end pipe piles; preparation and generation of pile driving records, checking and confirming pile integrity; overseeing load testing of piles including PDA (Pile Driving Analyzer), vertical and lateral.

Shallow Foundations
Inspected and indentified rock classifications in accordance with NYC Building Code. Mr. Moorey determined embedment length for footings and rock sockets for shear walls with bearing capacity over 60 tsf.

Excavation Support Systems
Secant walls and steel sheet piles installation including setting of rebar cages/core beams, tieback, pulled test, pressure grout, and rock nailing.

Other Related Field Experience
Subsurface investigation including test pits, STP, Shelby tube, rock core consisting core recovery and RQD, installation of piezometer, and cross holes seismic testing. Control inspection of water proofing, under slab drainage system and soil backfill including SSDS (Sub-slab drainage system).
Control inspection of rock anchors installation including pull tests, graph result for each test.
Monitored noise and vibrations caused by rock blasting, downloaded and interpreted data from seismograph.

Laboratory Experience
Performed laboratories soil tests including gradation and hydrometer, sieves analysis, standard and modern Proctor, Atterberg limits, specific gravity, direct shear, and water content.

As a geotechnical engineer, Mr. Moorey obtained the following design experience.

- Designed Retaining walls, drilled shaft, steel sheet pile walls including cantilever and anchored walls.
- Calculated bearing capacity and settlement analysis for various types of footings.
- Performed slope stability analysis and ran various finite element analysis models simulating future construction and predicting possible failure wedges.
- Prepared final boring logs and soil profiles, indentified soil and rock strata including water table and location of piezometer. Developed soil design parameters based on STP and available lab reports. Prepared geotechnical reports and provided foundation recommendations.
- Quantity estimates of cuts and fills.

Neophytos Neophytou, P.E.
Deputy Resident Engineer

Professional Profile
Mr. Neophytou is a deputy resident engineer with diverse experience on the rehabilitation of transportation facilities. He has been involved with asphalt placement operations, structural rehabilitation, earthwork (cut/fill), surveying, bridge painting and drainage installation. Previously, he has performed the duties of office engineer on several projects, handling the preparation of payments to the contractor, preparing change orders, and maintaining all job files including correspondence, certifications, as-builts, RFIs and ECMs.

Proposed Project Assignment
Construction Manager

Registration/Certifications
2000/Professional Engineer/NY
1999/NACE Coating Inspector Level 1 - Certified

Education
BE/1992/Civil Engineering

Course Work
2014 - 10-Hour OSHA Construction Safety & Health Training Course
2014 - Hazard Communication Safety Course
2010 - 30-Hour OSHA Construction Safety & Health Training Course
2000 - Certified Associate Welding Inspector Course

Professional Affiliation
National Association of Corrosion Engineers (NACE)

Total Years Experience 24

Project Experience
Reconstruction of Willis Avenue Bridge, New York, NY; 3/08-Present. Deputy Resident Engineer. This project involves replacement of the existing movable bridge and approaches with a new structure, built offline from the existing structure. Mr. Neophytou's responsibilities include supervision of senior inspectors; supervision of environmental issues regarding river/land operations; demolition of the river piers via conventional and blasting/explosive demolition methods; construction of new piers/foundations in the river including caisson installation, pier box installation, large volume concrete placement for the foundations, and the arch piers; installation of a new movable bridge (swing span) which was built off site and delivered on a specially-made barge system; removal of the existing swing span and camelback structures over the Harlem River structures. These structures were removed in their entirety as complete units onto the barge system and transferred to scrap yards, offsite; structural steel installation and construction of new approaches to the swing span; complex concrete deck replacements; installation of new fender system of the piers in the river which consisted of a large number of FRP piles (Fiberglass Reinforced Plastic – solid) with concrete wale beam and FRP composite lumber and panels (solid); overseeing and monitoring a state-of-the-art scour monitoring system for the existing piers and bulkheads while constructing the new structure; and overseeing electrical/mechanical operations of the swing span. Client: New York City Dept. of Transportation

Macombs Dam Bridge over the Harlem River Rehabilitation, Contract #BRX287R, New York, NY; 8/99-3/08. Acting Resident Engineer. This $145-million rehabilitation project included structural steel replacement and reinforcement for ±3,000 ft total length of viaducts, a camelback, a swing span, ramps over Metro-North Railroad, structures over Harlem River Drive and Major Deegan Expressway. Mr. Neophytou was in responsible charge of 12 senior structural steel inspectors overseeing operations such as structural steel welding of concrete filled steel grid (±100,000 sq ft section of ±10 ft x 8 ft) ensuring proper welding procedures and requirements; complex jacking operations for bearing replacement; concrete deck replacement (±200,000 sq ft) ensuring proper mix designs, preparatory work and requirements; asphalt overlays on the approaches; lead abatement and painting; electrical work; heat straightening of existing eye bars; installation of new eye bars at swing span and camelback; ±1 million lbs of new structural steel joist system; installation of new cross and longitudinal trusses (+0.5 million lbs); submarine cables installation and extensive MPT on Major Deegan Expressway and Harlem River Drive for full deck replacement with framing; and mechanical installations of machinery. Mr. Neophytou prepared reports and computations for the monthly estimates for payments to the contractor, compiling all necessary information for preparation of change orders; he reviewed records of material certifications and prepared as-built drawings for submission. The replacement of the decks was executed within three time limited/restricted milestones of six winter months each and was completed on time and under budget. From November 2006 to March 2008, Mr. Neophytou filled the position of resident engineer and was in responsible charge of overseeing all operations related to the mechanical and electrical operations at the swing span until its final acceptance by the city; project close out process which includes quantities closeouts, final submissions for as-builts and shop drawings, finalization reviews of monthly

estimates and extra work payments; and has acted as liaison to daily activities and arrangements until the final inspection from all participating agencies. Client: New York City Dept. of Transportation

Roslyn Viaduct Underdeck Netting, Route 25A, Contract #D-257251, Roslyn, NY; 1/99-7/99. Mr. Neophytou served as office engineer/senior inspector for the construction inspection of this $1.4-million bridge joint repair painting and underdeck safety netting installation project. The project included commercial blast cleaning for 16 expansion joints and installation of approximately 1,000 galvanized wire safety nets utilizing various scaffolding systems. Client: New York State Dept. of Transportation

Nassau County Paving Inspection, Nassau County, NY; 7/97-11/97 and 7/98-1/99. As an inspector, Mr. Neophytou provided daily inspection of asphalt milling and placement for the resurfacing of various Nassau County area roads. Other duties included oversight of the contractor's daily maintenance and protection of traffic (MPT), and consult with the County's resident engineer on payment quantities. Client: Nassau County Dept. of Public Works

Rehabilitation of Various Parks (Newbridge, Oceanside Park), Bellmore/Oceanside, NY; 11/97-7/98. Mr. Neophytou served as resident engineer/inspector on this project, which involved in demolition and reconstruction of existing basketball courts, tennis courts, roller hockey rink (cut/fill, paving, accessories); rehabilitation of existing handball walls; demolition and reconstruction of playground areas; installation of new insurance safety playground structures; installation of safety surface; gazebo structures; curbs; paving; planting of trees and shrubs; landscaping; and drainage improvements including installation of new drainage and modifications of existing drainage. Client: Town of Hempstead, Dept. of Parks and Rec.

Contract Closeout for NYCDOT Bureau of Bridges, Engineering Service Agreement, New York, NY; 4/97-7/97. As an office engineer, Mr. Neophytou performed contract finalization and closeout of approximately 40 NYC Bureau of Bridges contracts, with and without federal and state aid. Work included review of project records to determine which documents were required for closeout procedure. Missing documents were obtained or generated in order to process a final estimate package. These packages were monitored throughout the processing route to its completion point. Client: New York City Dept. of Transportation, Bureau of Bridges

Woodfield Road Inspection, West Hempstead, NY; 9/96-4/97. Chief Inspector/Office Engineer. This project involved construction inspection services for this roadway rehabilitation project consisting of street reconstruction, curb and sidewalk replacement, modification of the existing drainage system, traffic intersection and street lighting modifications. Client: Nassau County Dept. of Public Works

Doxey Brook Improvement, Project #H60130M, Lynbrook, NY; 11/94-8/96. Mr. Neophytou served as engineer of construction for construction inspection of drainage improvements to Doxey Brook located in a residential section of Lynbrook, NY. The $9.5-million project entailed installation of 3,800 ft of pre-cast concrete box culvert up to 8 ft x 14 ft, weighing 20 tons each, placed in excavations up to 11 ft in depth utilizing vibratory steel sheet piling and well point systems. Large and complex turning chambers and headwalls were poured in place. Reinforced concrete pipe 5 ft in diameter was jacked under heavily traveled Peninsula Boulevard. The project also required major utility relocations including 138 kv oil-o-static electric lines and 2 ft x 60 ft welded water main offsets. Traffic signals, street lighting and related conduit; sidewalk, curb, driveway, sanitary sewers, and highway drainage were installed. Asphalt pavement and shoulder reconstruction was also performed. Client: Nassau County Dept. of Public Works

Routes 35 and 100, and the Rehabilitation of the Pines Bridge over the Muscoot Reservoir, Contract #D254062, Westchester County, NY; 5/93-5/94. Mr. Neophytou served as an inspector on this $10-million project which included major rock removal, excavation and embankment construction, major drainage improvements, bridge deck, approach slab and bearing replacement, modification of abutments and wingwalls, installation of three armored joints, cribwall construction, major soil erosion and water pollution control along the NYC reservoir system, local, state and federal wetlands. Complex multi-phase construction detours and maintenance and protection of traffic (MPT) were required for these heavily traveled routes prior to and during asphalt paving operations. His specific responsibilities included inspection of asphalt placement operations, placement of the subbase, concrete curb installation, earthwork as well as excavation and embankment construction. Client: New York State Dept. of Transportation

Douglas Reese, P.E.
Resident Engineer

Professional Profile

Mr. Reese is a resident engineer with in-depth experience in the design and construction of bridges, highways, buildings, drainage and sewage facilities, site work and utility installation. He has been responsible for the inspection of demolition and construction of structural steel and reinforced concrete bridge elements, steel flag repairs, rehabilitation of suspension bridge main cables, removal and replacement of bridge suspender cables, and lead-based paint removal and coating applications in accordance with SSPC standards and New York City Dept. of Transportation protocol. Mr. Reese's design experience includes buildings, retaining walls, piles, box culverts, bridge abutments, composite girders, computer-aided design and analysis. He is also familiar with AASHTO, NYSDOT, ASTM, NFPA, AISC, and ACI specifications, as well as the NYSDOT bridge inspection rating system.

Proposed Project Assignment
Construction Manager

Registration/Certifications
2005/Professional Engineer/NY
1996/NACE Coating Inspector Level 1 - Certified
1994/AWS Certified Welding Inspector
2009/SSPC - C3 Supervisor/Competent Person-Deleading/NY
1988/NYSDOT Bridge Inspector
2007/ACI Concrete Field Technician Grade 1

Education
BS/1985/Civil Engineering Technology
AAS/1982/Civil Engineering Technology

Course Work
2012 - ACI Concrete Field Testing Technician - Grade I
2011 - Confined Space Training
2008 - 10-Hour OSHA Training Course, #001872356
2007 - NYCTA Track Safety Course
2003 - FHWA, Maintenance & Protection of Traffic Seminar
1998 - LIRR Track Safety
1994 - NICET Senior Engineering Technician Trained

Professional Affiliations
American Welding Society (AWS)
National Association of Corrosion Engineers (NACE)
American Society of Civil Engineers (ASCE)
American Engineering Alliance (AEA)

Total Years Experience 30

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 3/10-Present. Resident Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Reese's responsibilities include direct daily supervision of a team of engineers, technicians and support staff; daily coordination with the construction contractor, the New York City Dept. of Transportation, the engineer-in-charge and various city and state agencies. The resident engineer is a key participant at technical meetings held with the contractor and bridge designers and works closely with the project outreach staff. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 8/05-3/10. Resident Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Reese's responsibilities included the direct daily supervision of a team of engineers, technicians and support staff; and the daily coordination with the construction contractor, the New York City Dept. of Transportation, the engineer-in-charge and various city and state agencies. The resident engineer is a key participant at technical meetings held with the contractor and bridge designers and works closely with the project outreach staff. Client: New York City Dept. of Transportation

Douglas Reese, P.E.
Resident Engineer

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 6/03-8/05. Chief Inspector. This $195-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. Mr. Reese's responsibilities included directing the daily field inspection efforts of several crews of engineers and technicians and performing quality assurance for the inspection crews and their reporting effort on the project. His responsibilities also included the creation of inspection report specialty forms; inspection staff supervision and training; assignment of inspector's daily responsibilities; database tracking of punch listed work; review of daily inspection reports; anchorage security coordination with the New York City Police Dept. and the client; and project progress appraisals. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 1/01-6/03. Chief Inspector. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Reese was responsible for leading quality assurance inspections for all main bridge operations. Main bridge operations included removal of existing structural roadway deck systems and pedestrian promenade deck systems, and installation of orthotropic roadway and pedestrian promenade deck systems, concrete filled steel grid deck, drainage system, fire department dry standpipe system, and Trinidad and latex modified asphalt wearing courses applied over a special three-coat Stirling Lloyd waterproofing membrane system. The orthotropic deck is delivered to the project as 20 ft by 40 ft panels. They are joined, in the field, at 20 ft transverse splices using submerged arc welding. The quality assurance inspections of the orthotropic deck installation required full-time visual inspections and documentation. Job-specific forms were created to track the joint fit-up, weld quality and adherence to welding specifications, distortion of base metals, and weld defect repairs required following 100% ultrasonic inspection. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 12/97-6/01. Chief Inspector. This $176-million project consisted of the demolition and reconstruction of the entire BMT transit structure on the Williamsburg Bridge. Mr. Reese was responsible for organizing and leading the quality assurance inspections and quantity reporting for all structural steel and reinforced concrete demolition and construction on this project. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 1/95-12/97. Senior Inspector. This $310-million project involved the construction engineering and inspection for the reconstruction of the south inner and outer roadways. Mr. Reese served as a senior level inspector responsible for the detailed inspections required for the proper installation of the new orthotropic deck panels to the demanding horizontal and vertical tolerances of ± 1/4 in. over the panel's 40-ft length. As the project's lead AWS certified welding inspector, Mr. Reese performed the welding inspections required to install the orthotropic deck panels. As team leader, Mr. Reese also headed up one of the inspection teams responsible for erecting the flexible work platforms to be used for containment operations and bridge paint removal along the Williamsburg Bridge approaches. He also acted as team leader during the lead paint removal operations, which were conducted on a day and night shift basis. Over 300,000-sq-ft of paint removal was required on this contract for structural connection faying surfaces and for demolition "cut lines." Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 4/93-1/95. Senior inspector directly responsible for inspection of emergency steel flag repairs which involved monitoring and reporting work on a force account basis, and coordinating work efforts with contractor's field engineers with a focus towards increasing cost efficiency; removal and replacement of suspender cable and truss connectors which required that existing tensile forces be measured, released and retensioned; the application of the Neoprene Cable Wrap System where he held a team leader position. The neoprene application proved to be highly sensitive to environmental conditions and workmanship, which necessitated keen observation, and a proactive approach to inspection. Mr. Reese helped the inspection team by organizing and gathering data from the plans/specifications for inputting into computer databases which proved indispensable to the tracking of Contract No. 5 (BRC-253B), Reconstruction of Williamsburg Bridge South Roadways. Client: New York City Dept. of Transportation

Brendan Scahill, P.E.
Resident Engineer

Professional Profile
Mr. Scahill is a professional engineer with many years of diversified design and inspection experience. During his career, Mr. Scahill has worked extensively on East River Bridge Crossings, including the Brooklyn, Williamsburg, Queensboro, Robert F. Kennedy (Triborough), and Bronx-Whitestone Bridges. His experience includes orthotropic deck installation, cable rehabilitation, and structural steel fabrication.

Proposed Project Assignment
Construction Manager

Registration/Certifications
1994/Professional Engineer/NY
1996/AWS Certified Welding Inspector

Education
BS/1984/Civil Engineering

Course Work
2011 - 30-Hour OSHA Construction Safety & Health Training Course
2011 - First Aid CPR Aid Course
2009 - 10-Hour OSHA Training Course
2000 - Traffic Work Zone Safety Training Course - GPI
1998 - Night Time Bridge Work Safety - Institute of Safety & Health
SSPC C-3 Supervisor/Competent Person for Deleading/NY
NACE Coatings Inspector Level 1 Trained

Professional Affiliations
American Welding Society (AWS)

Total Years Experience 30

Project Experience
Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 2/13-Present. Resident Engineer. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Mr. Scahill's responsibilities on this project will be divided into two phases. The first phase will be the quality assurance oversight during the fabrication of the orthotropic deck panels in China; and the second phase will be to provide quality assurance during the field installation of the orthotropic deck panels on the jobsite. Mr. Scahill will be an active participant in the Authority's quality assurance program ensuring that the contractor's quality control program is effectively being implemented. He will witness the fabrication welding, testing processes and will evaluate the destructive sample results. He will develop and maintain quality assurance tracking systems for better documentation of the fabrication process and to minimize fabrication issues from the moment of discovery. Upon completion of the fabrication process and the delivery of the orthotropic deck panels to the jobsite, his focus will turn to the field installation. He has provided supervisory oversight on the field installation on four large-scale New York City orthotropic deck projects. He has extensive knowledge and understanding of AWS D1.5 and NYSSCM welding codes. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Replacement of the Bronx Approach and Miscellaneous Repairs to the Queens Approach, BW-89, Bronx, NY; 11/08-2/13. Resident Engineer. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, there were massive concrete placements for concrete footings and piers. For the duration of the project, traffic on the bridge was maintained with five lanes open to traffic. During the staged construction, work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Scahill's responsibilities on the project included construction management and inspection of the major steel components on the jobsite. He provided quality assurance for the Authority during the fabrication of steel girders and other steel components. He oversaw the fabrication and installation of the temporary steel support systems for the existing roadway structure. Mr. Scahill supervised field inspectors during the structure demolition and steel erection stages of the construction. He provided oversight to ensure that all work was performed in accordance to the contract documents. Client: Triborough Bridge and Tunnel Authority

Brendan Scahill, P.E.
Resident Engineer

Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY; 1/05-11/08. Assistant Resident Engineer. This $150-million project involved replacing the roadway deck at the suspended spans of this major suspension bridge with orthotropic deck panels installed in a lane-by-lane sequence. Daily realignment of temporary moveable barriers allowed an additional lane to be utilized for north bound or south bound traffic during morning and evening rush hours, as appropriate. The work included replacement of median and side barriers, deck finger joints, stiffening girder pins, lateral bracing, and roadway, tower and navigation lights. Also included in the project scope is painting of structural steel, construction of a new underdeck moveable traveler system, replacement of electrical feeders and substations, and installation of a new fiber optic control and communication system. All of these operations were carried on while maintaining traffic on this high-volume toll facility. Mr. Scahill's responsibilities included the performance of constructibility reviews, cost estimates and claim evaluations; supervision of all field inspection work for the installation of new orthotropic deck panels; and monitoring the Contractor's performance and compliance for work performed in accordance to the Contract Documents. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct - TB-64A, Queens, NY; 1/01-12/04. Resident Engineer. This $144-million project involved replacing the existing concrete deck roadway (eight traffic lanes) with a new orthotropic deck system (252,000 sq ft) while maintaining seven traffic lanes in an urban environment. REI services included the replacement of the Queens approach span deck with pre-cast panels, replace the suspension bridge suspender ropes and installation of a new roadway lighting system on the bridge structure. As resident engineer, Mr. Scahill was responsible for the field inspection effort and also involve in the fabrication process of the 392 orthotropic deck panels which require coordination between all parties. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 1/00-12/00. Assistant Resident Engineer. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Responsibilities included the inspection of the north wind chord repairs; north truss bottom chord repairs; demolition of north roadway floorbeams, stringers, railing and grating; the fit-up of orthotropic deck; submerged arc welding of orthotropic deck, floorbeam, lateral brace and orthotropic deck installation, barrier installation, north footwalk demolition and shear connector installation; inspection of rock and soil piles with the Tubex method on the Manhattan and Brooklyn approach; abrasive blast paint removal and painting of existing floorbeams and bottom chords on main span; inspecting existing floorbeam and lateral brace repairs; monitoring shrinkage and warpage at submerged arc welded orthotropic deck joints; inspection of north outer roadway orthotropic deck shot blasting; and Stirling Lloyd waterproofing membrane application and Trinidad asphalt paving. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 1/99-1/00. Assistant Resident Engineer. This $176-million project involved the construction engineering and inspection for the reconstruction of the BMT structure. Mr. Scahill's responsibilities included the supervision of the demolition of the existing structure and the steel erection of the new structure. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 2/96-1/99. Assistant Resident Engineer. This $310-million project involved the construction engineering and inspection for the reconstruction of the south inner and outer roadways. Mr. Scahill's responsibilities included the supervision of the placement of the orthotropic deck on the main bridge. Mr. Scahill was in charge of field supervision for the $9-million emergency repair work to the north roadways. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 10/95-2/96. Assistant Resident Engineer. For this $88-million project, Mr. Scahill was responsible for coordinating strand removal and replacement of Main Cable A at the Manhattan Anchorage. Supervised field personnel in the completion of the remaining cable work including wire wrapping, neoprene wrapping and footwalk erection. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable, Contract 4, #BRC253A, New York, NY; 5/92-10/95. Senior Inspector. Instruction of contractor personnel in the procedures of the wire rope suspender removal and replacement. Monitored the application of linseed oil and compaction to the main cables. Client: New York City Dept. of Transportation

Richard Seamon, P.E.
Project Manager

Professional Profile

Mr. Seamon is a proven leader with over 28 years of experience in construction project and program management. He is highly skilled at managing all aspects of the construction process from the notice to proceed to final closeout on programs/projects up to $500M. Mr. Seamon has successfully managed projects across numerous industry sectors including K-12 schools, airports, light rail and surface transportation. He productively managed staffs of up to 40 full time engineers, designers, inspectors, project controls and administrative staff. He also has extensive experience both as an Owners Representative and as a Contractor, which provides for the unique ability to understand construction issues from both sides. Mr. Seamon's specific experience includes management of over 50 school construction projects during the design, construction and/or closeout phases; the reconstruction of Harrisburg International Airport; a one-mile extension of the Newark International Airport monorail; implementation of E-ZPass technology, and the construction and rehabilitation of bridges and reconstruction of highways throughout New Jersey.

Proposed Project Assignment
Construction Manager

Registration/Certifications
1997/Professional Engineer/NJ
2013/NJSAT

Education
BS/1986/Civil Engineering Technology

Total Years Experience 28

Project Experience

E-ZPass Implementation, JFK Airport, Newark Liberty International Airport and LaGuardia Airport, NY & NJ; 2001-2002, $30M. As project manager for the design-build contractor, supervised the scheduling, design, installation, testing and commissioning of the E-ZPass technology at all three major area airports. Since this was a new program implementation, the coordination included working together with other PA contracts to bring all aspects of the E-ZPass system online. This coordination was paramount given that all installations were made in active toll plazas, requiring a seamless transition from work area to revenue collection on a daily basis. Client: Xerox (formerly ASCOM Transport Services)

Rehabilitation of Newark International Airport Monorail, Newark, NJ; 2000-2001, 45M. Resident Engineer. Upon completion of the monorail extension, the original portion of the monorail was closed for major renovations. Developed the quality assurance plan for this program including compressive strength (grout), welding, painting and MP and UT testing as detailed in AWS D1.5 section 12 Fracture Control Program. Also, managed the procurement of QA inspection and testing, ensured the daily implementation of the QA program which ran on 3 shifts per day, 6 days per week for 7 months. Created pre-construction cost estimate for rehabilitation program that, in the end, was within 1% of the actual costs incurred. Client: Bombardier

Newark International Airport Monorail Extension, Newark, NJ; 1998-2000, $140M. Resident Engineer. Managed the redesign, fabrication and erection of the mile long monorail extension at Newark Airport. This included managing the day-to-day construction activities of the client's general contractor, as well as the interaction with the PANYNJ and its numerous capital projects and contractors. Managed the steel fabrication QA program, which included the requirements of AWS D1.5, Fracture Critical Program. Managed the steel coatings QA program, which included painting of the exterior of the guideway and thermal spray coating the interior. Coordinated all erection activities, including having to insert individual girders into and through the new rail-link train station. Defended client against $10M worth of claims predominately due to a major design change with the clients' final responsibility being less than 80% of the submitted value. Managed the submission and approval of more than 1,200 individual pages of structural steel shop drawings including the development of a database with reports tailored for reporting status to both the client and the project owner. Created repair procedure for replacement of damaged conduit inside of 96' long steel box beam. Managed confined space training and implementation of entry permit requirements. Managed all aspects of the construction of a 3,500 square foot substation for the monorail. Client: Bombardier.

Harrisburg International Airport Improvements, Susquehanna Area Regional Airport Authority, Harrisburg, PA; 2003-2004, $240M. Promoted in March 2003 to serve as Construction Manager for this program. Managed the bidding process for 24 separate contracts, worth approximately $110M, over a 5-month period. Managing staff of 25 persons including field managers and inspectors, cost and schedule engineers and administrative staff. This fast-track project opened for revenue service, on schedule, on August 29, 2004. The program consisted of a new 340,000 square-foot

terminal building with twelve multiple-use jet gates; a 1M square-foot multi-modal transportation center capable of handling charter, commercial and public transportation buses, hotel shuttle vans, limousines, rental cars, taxis and 2,700 public parking spaces all connected by climate-controlled moving walkways; a 10,000-foot-long parallel taxiway; a 40-acre airport apron; reconstruction of the airport loop road and a CAT III Instrument Landing System. Within the new 12-gate terminal, a new out-bound baggage handling system was designed and constructed with "in-line" threat detection. Coordination of this installation included integration of the conveyor system with three L3 baggage-screening machines and achievement of TSA certification of the new system. **This fast-track project opened for revenue service, on schedule, on August 29, 2004.** Client: Susquehanna Area Regional Airport Authority

Harrisburg International Airport Improvements, Harrisburg, PA; 9/02-3/03, $240M. As Assessment Team Leader, successfully analyzed the overall program for cost, quality, schedule and interface concerns. Drafted the PMP and Responsibility Matrix for the revised CM team and redeveloped the scope and procurement plan for the Terminal Apron demolition, remediation and reconstruction saving three months of construction time. This encompasses +/-15% of the entire cost of the project. This change in the procurement of these projects allowed the demolition, abatement and remediation to begin up to three months earlier than originally anticipated. Client: Susquehanna Area Regional Airport Authority.

DRJTBC Easton Phillipsburg Bridge CM-437A; 6/13-Present, $29.6M. Project Manager. This project is a multi-faceted rehabilitation of the Easton-Phillipsburg (Route 22) Toll Bridge and related facilities. Rehabilitation project elements include bridge painting, pavement repairs, deck replacement and repair, substructure repairs, bearing replacement, electrical upgrades and toll plaza upgrades. Project includes multiple bridge structures: Main River Bridge, Broad Street Viaduct, Route 22 over SR 611, Route 22 over Bank Street, Route 22 over 3rd Street and the pedestrian tunnel at Bushkill Street. As project manager, Mr. Seamon' duties include being the liaison to the Owner; overseeing CM/CI Field Inspection/Engineering staff; performing quality assurance oversight of procedures required by GPI' contract; managing invoices for work performed; overseeing subconsultants; providing engineering and public outreach support to the DRJTBC. Client: DRJTBC

NJTA P3448 GSP Widening MP 90.5 to 93.5 (Contract P200.200, $75M) & MP 93.5 to 99.5 (Contract No. P200.201, $101M); 9/12-Present. Project Manager. These contracts involve the restoration of shoulders and other safety improvements by widening the GSP mainline to provide for 12-foot-wide left and right shoulders and 12-foot- wide travel lanes and incorporating current NJTA standards for pavement super-elevation and transitions, roadside treatments, and roadside clear zones. Contract P200.200 includes the replacement of seven bridges, the widening and redecking of two existing bridges, the water management basins, signing, lighting, and other miscellaneous work necessary and incidental to the completion of the project. Contract P200.201 includes the replacement of three bridges, the widening and redecking of seven existing bridges, the extension of existing culverts, construction of 13 new permanent sign structures, drainage improvements, 14 storm water management basins, signing, lighting, and other miscellaneous work necessary and incidental to the completion of the project. As Project Manager, Mr. Seamon' duties include being the liaison to the Owner; overseeing CM/CI Field Inspection/Engineering staff; performing quality assurance oversight of procedures required by GPI' contract; managing invoices for work performed; overseeing subconsultants; developing ongoing status reporting for client; managing invoices from utility companies. Client: NJTA

New Jersey Turnpike Interchange 6 to 9 Widening Program; 2009-201, $2.7B. Resident Engineer for Contract No. T869.120.802 (approximately $36M) Interchange 8A Ramp TSI and local roadways grading, drainage, paving, and structures from MP 70.9 to 74.4 in the Townships of Cranbury, Monroe and South Brunswick, Middlesex County. As part of a Joint Venture, GPI is providing construction management services for the Interchange 6 to 9 Widening Program (The Program). The Program is the Turnpike's most significant construction project in the 58-year history of the Authority. Mr. Seamon is serving as the Resident Engineer for Contract 802 which includes four (4) new bridge structures (three spanning the mainline and one new flyover ramp at Exit 8A). In this capacity, Mr. Seamon manages a team of five inspectors, as well as coordinates critical QA/QC inspectors from Keytech for asphalt, concrete, High Performance Concrete, structural steel, bridge bearings and MSE Wall (precast concrete and select aggregate) components. Client: NJTA

Jayendra Shah, P.E.
Resident Engineer

Professional Profile
Mr. Shah has many years of experience as a civil engineer in the design and construction inspection of bridges and highways. Mr. Shah was part of the Williamsburg Bridge Project Team since the first major rehabilitation project of its series. Mr. Shah has served as an inspector, office engineer, chief inspector, assistant resident engineer, and resident engineer on some of the largest projects in the New York metropolitan area.

Proposed Project Assignment
Construction Manager

Registration/Certifications
1997/Professional Engineer/NY

Education
BE/1982/Civil Engineering
ME/1988/Civil Engineering

Course Work
2010 - PW (EEO) Training for PMs & REs
2008 - 10-Hour OSHA Training Course
2006 - NYCTA Track Safety Course
2002 - Expedition 8.5 Software
2002 - Computer Operations
ACI Concrete Field Testing Technician Grade 1 Trained

Professional Affiliations
American Society of Civil Engineers (ASCE)
American Engineering Alliance (AEA)

Total Years Experience 31

Project Experience
Rehabilitation of Battery Park Underpass and West Street Underpass, New York, NY; 11/12 – Present. Resident Engineer. After suffering severe damage to electrical, mechanical, ventilation, and lighting systems during Superstorm Sandy, the Battery Park and West Street underpasses require significant rehabilitation to return them to pre-storm working condition. Mr. Shah is responsible for resident engineering inspection, equipment procurement, and support for the ventilation systems. The ventilation systems required the following new equipment: trailer mounted 220KVA generators; two-speed, double-winding motors; VFDs (Variable Frequency Drives); and a variety of other mechanical/electrical materials. This fast-track emergency work purchase order needed to be prepared and submitted for DCAS (Dept. of Citywide Admin. Services) and FEMA for federal funding approval. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Gerritsen Inlet Bridge, Brooklyn, NY; 3/13-Present. Resident Engineer. This $104.5-million project involves total replacement of Gerritsen Inlet Bridge on the Belt Parkway in the Borough of Brooklyn. The major work includes removal and disposal of main spans including concrete deck, steel girders, floor beams and stringers, approaches, concrete superstructure, closure walls, timber piles, concrete piers, pier caps, columns, abutments, wingwalls, street lighting, transformer room, transit ducks, steel conduits, navigation lights, and trees and vegetation. The project also involves construction of cofferdams, installation of new cast-in-place concrete piles at piers and abutments, construction of new reinforced concrete piers including pier columns and plinth, reinforced concrete abutments and wingwalls, installation of new multi rotational (MR) bridge bearings, construction of haunch steel girders, diaphragms, bracing, concrete deck, installation of inspection platform at each pier, concrete barrier at fascia and bike path, sidewalk bridge railing and protective screening, median concrete barrier, construction of approach roadway, pavements including embankment, regrading with grass, construction of new bike path connecting existing bike path, construction of new drainage system including drainage and outfall structures, installation of new fender system, navigation lighting, new street lighting, traffic signs, etc. Mr. Shah is responsible for resident engineering inspection and managing the entire project activities. He will make sure work is performed as per plans and specifications; project milestones are met; project remains on schedule; budget requirements are met; quality is maintained; unforeseen issues are addressed and problems are solved satisfactorily; maintenance and protection of traffic requirements are met to minimize inconvenience to motorists, pedestrians and the public; make sure the contractor adheres to construction procedures as specified and approved by NYCDOT; supervise the staff to see that the contractor performs the work to meet field conditions; make sure contractor maintains the site and cleans up work site as specified. Mr. Shah is also responsible for coordination with various agencies to obtain approvals and to make sure specified standards are met. Involved agencies: Construction Support Service – URS, Federal Highway Administration, NYS Department of Transportation, NYS Department of State, NYS Historic Preservation Office, NYS Department of Environmental Conservation, New York City Department of Parks and Recreation, NYC Department of Environmental Protection, NYC Department of City Planning, NYC Public Design Commission (Formerly NYC Art Commission), National Marine Fisheries Service, US Coast Guard, US National Parks Service, US Army Corps of Engineers, local community boards. Client: New York City Dept. of Transportation

Jayendra Shah, P.E.
Resident Engineer

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 8/03-3/13. Resident Engineer. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, Kent Avenue void rehabilitation, modular joint repairs, PP29 deck pin rehabilitation, fender system installation, installation of tower top aviation lights with lightning protection system, FDNY's acceptance testing of dry standpipe system, bent and panel point designations throughout the bridge, flag repairs generated by NYSDOT's biennial inspection of 2006, 2008 and 2010, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Shah's responsibilities included supervising and training inspection engineering staff of 12 for the steel reinforcement of main towers and trusses, abrasive blasting and recoating of the north and south trusses and interiors of the main tower legs, rehabilitation of anchorages, seismic retrofit steel and concrete work at the intermediate towers, bearing replacement at PPO, PP30, PP10, PP15, resolving field operation issues, technical field issues with designer, attending project monthly progress meeting, reviewing cost proposal and preparing construction and REI change orders. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 1/01-8/03. Senior Engineer. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Shah's responsibilities included managing an engineering staff of five, monthly estimate preparation, quantity take-offs and cost estimates, review of contract documents and contractor's proposal, evaluation of overruns and underruns, draft and prepare action letters to contractor, memos, flag close out notifications and engineering cost estimates for change order preparation. He was also responsible for reviewing, checking and paying T & M work payments using E-Z Murk software and monitoring the finalization of contract, change order items, reviewing finalized IDRS and preparing final payment package. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 7/99-1/01. Office Engineer. Mr. Shah's responsibilities on this $176-million project included managing an engineering staff of five, monthly estimate preparation, quantity take-offs and cost estimates, review of contract documents and contractor's proposal, evaluation of overruns and underruns, draft and prepare action letters to contractor, memos, transmittals, status reports and general correspondence for all structural steel flag repairs work, and other office work and preparation of engineering cost estimates for change order work. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 2/96-7/99. Senior Office Engineer. Mr. Shah's responsibilities included the management and administration of time and material work of approximately $310 million for a staff of eight, monthly change order payments review and preparation per NYCDOT requirements, wage rate analysis, labor union regulation verification, checking of scope of work and payment guidelines under contract change requests. He was also responsible for contract proposal and agreement compliance, change order preparation for extra work and field changes, price negotiation with contractor, flag condition report check, review and track fabrication sketches and shop drawings, completed flag notification submittal to NYCDOT, create, design and modify computer database (ALPHA5) for computerized force account record keeping, conduct training sessions of MURK guidelines and T and M work procedures for contractor and inspectors, timely preparation of budget analysis, cost projection and final payment package. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 2/92-2/96. Office Engineer. Mr. Shah's responsibilities on this $88-million project included managing a staff of three, monthly estimate preparation, quantity take-offs and cost estimates, review of contract documents and contractor's proposal, evaluation of overruns and underruns, preparation of engineering cost estimates for change order work, finalization of final payment package and project closeout. Client: New York City Dept. of Transportation

Philip Trapani, P.E.
Resident Engineer

Professional Profile
Mr. Trapani is a professional engineer with extensive experience in bridge and highway reconstruction projects. He has considerable experience in inspection practices involving lead paint removal, painting, steel removal and erection, mass concrete placement, concrete pavement, and concrete curbs and barriers on major metropolitan bridges and highways.

Proposed Project Assignment
Construction Manager

Registration/Certifications
2001/Professional Engineer/NY
2009/Professional Engineer/CT
2009/Professional Engineer/VT
2007/NACE Certified Coating Inspector Level 3
2010/NETTCP Soils & Aggregate Inspector Certification

Education
BS/1995/Civil Engineering Technology

Course Work
2013 - Planning and Scheduling with Primavera P6
2010 - U.S. NRC Safety and Gauge Operation Certification for the use of Nuclear Moisture/Density Equipment
2009 - 10-Hour OSHA Training Course
2008 - NACE - Special Bridge Course for Coatings Inspectors
NYSDOT Maintenance & Protection of Traffic Trained

Total Years Experience 29

Project Experience
Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, New York, NY; 8/10-Present. Resident Engineer. The project involves construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involves the complete replacement of five bridges, the reconstruction of one bridge along with the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. Mr. Trapani's responsibilities include the daily supervision and management of construction inspectors covering the Contractors' work activities, the review of the Contractors' CPM, requests for information, shop drawings, miscellaneous catalog cuts, holding coordination meetings and weekly technical meetings and coordinating work activities with other utility agencies including NYC-MTA, Time Warner Cable, Con Ed, NYCDEP, NYCDEC, NYC Parks and NYCOCMC. Client: New York State Dept. of Transportation

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/10-8/10. Resident Engineer. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Trapani's responsibilities included project start-up coordination meetings; the direct supervision of day-to-day operations conducted by the contractor; managing inspection personnel; review of the Contractor's CPM and work zone health, site security plan and maintenance and protection of traffic (MPT) submissions; creating databases used to track shop drawings, Engineering Clarification Memos, site security, and correspondence. Client: New York City Dept. of Transportation

Replacement of Brooklyn Bridge Travelers, Contract #BRC270TA, Boroughs of Manhattan and Brooklyn, NY; 11/06-2/10. Resident Engineer. This project involved the replacement of four movable maintenance platforms (travelers) with a state-of-the-art mechanical driven traveler system, the replacement of the traveler rails, hangers and connections, localized lead paint removal, and the replacement of the electrical system. Mr. Trapani's responsibilities included the direct supervision of day-to-day operations conducted by the contractor and managing inspection personnel and subconsultants; and review the Contractor's CPM and work zone health, site security plan and maintenance and protection of traffic (MPT) practices to ensure a safe environment for the traveling public and contractor's personnel. Client: New York City Dept. of Transportation

Long Island Expressway/Cross Island Parkway, Exits 29-32, Queens, NY; 3/03-12/07. Resident Engineer. This project involved construction inspection services for the rehabilitation of the Long Island Expressway/Cross Island Parkway (LIE/CIP) interchange. Mr. Trapani's responsibilities included the direct supervision of day-to-day operations conducted by the contractor. He managed inspection personnel and subconsultants; ensuring that the contractor's work, cost management, and project progress were consistent with the Baseline Schedule; conducting monthly CPM review meetings to analyze and validate project impacts; review of work zone health and safety measures and MPT

practices to ensure a safe environment for the traveling public and contractor's personnel; processing monthly payments to the contractor; resolving and negotiating agreements on disputed items of work; review and analysis of contractor's claims of extra compensation due to delay based on the CPM schedule, contract documents and NYSDOT Standard Specifications; coordination of daily activities with various city agencies, utility companies, and contractor to achieve desirable solutions in timely fashion for the project progress; and conducting monthly task force meeting to update all concerned community attendees about the progress of the project. Client: New York State Dept. of Transportation

Marine Parkway Bridge MP-01 Resident Engineering and Inspection, New York, NY;1997-3/03. Assistant Resident Engineer/Office Engineer. This $90-million project involved the reconstruction of one of the largest vertical lift span bridge in New York. The project included the redecking of the entire structure. The approaches were replaced with a precast concrete deck and the through trusses and lift span with an open steel grid deck. Also included in the work were substantial structural steel repairs, the deleading of the structure using Class 1A containment, painting the entire structure, a new drainage system and a new bridge decorative lighting system. Mr. Trapani was also involved with the creation of a computerized document control system using Expedition, by Primavera. This document control system computerized all the correspondence, submittals, and transmittals, kept track of quantities and created monthly payments. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 1994-1997. Senior Office Engineer. This was a $310-million project where Mr. Trapani was in charge of the material quality assurance program and the contractor's monthly payments. His responsibilities included shop drawing tracking and distribution, preparing RFP packages and writing material testing quality assurance programs. On this project, both agencies, NYCDOT and NYSDOT, had declined to perform their normal shop inspection and testing programs. Mr. Trapani was in charge of obtaining quotes and contracting different private agencies to perform these tasks. He wrote the procedures for the agencies to follow, requested proposals and analyzed the bids. Mr. Trapani also prepared the contractor's monthly payment package (averaging $3.5 million per month), which included checking all of the inspector's daily reports and payment calculations. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 7/91-10/94. Assistant Office Engineer. This $88-million construction inspection and resident engineering project for the rehabilitation of the suspension system for this bridge involved unwrapping, treating, and rewrapping the main suspension cables, replacement of all suspender cables with change to a redundant system, rehabilitation of the anchorages, replacement of necklace lighting, rehabilitation of tower tops, wire splicing, replacement of Transit Authority structures, and removal of cable enclosures inside anchorage structures. Mr. Trapani's specific responsibilities included reviewing materials acceptance certification documentation; checking of IDRs and payment calculations; checking contractor's monthly estimate; reviewing, recording, and tracking of shop drawings; preparing letters, memos, and transmittals for general office correspondence; supervision and organization of the materials testing program; record keeping; and obtaining price proposals from vendors and testing laboratories. Client: New York City Dept. of Transportation

Interborough Parkway Inspection, #D252310, Glendale, NY; 12/88-7/91. Construction Inspector. On this $48-million reconstruction project, Mr. Trapani supervised eight inspectors on the testing procedures of concrete, asphalt and soils in accordance with ASTM and AASHTO. His responsibilities included supervision of the materials laboratory and testing of materials; inspection of the rehabilitation of eight bridges and two retaining walls; and inspection covering mass concrete placements, concrete pavement, concrete curb and barrier, asphalt pavement, cuts, fills, drainage work and pavement striping. Mr. Trapani spent the major portion of this project performing various inspection tasks in the field, but toward the end he was assigned to the office to draft cross sections and performed closeout work. Client: New York State Dept. of Transportation

Manhattan Bridge Rehabilitation of Main Cable and Cable Anchorage in Chamber "C", #D500498, New York, NY; 10/87-12/88. Construction Inspector. Mr. Trapani's responsibilities on this $13.8-million project included the removal and placement of mass concrete, waterproofing of the anchorage roofs, installation of steel girders and castings, as well as miscellaneous main cable work. Client: New York State Dept. of Transportation

Guerman Vainblat, P.E.
Resident Engineer

Professional Profile
Mr. Vainblat has over 32 years of experience in construction and engineering. His experience includes project management, field supervision, teaching, training and instructional activities, lecturing, quality control, testing and inspection, and report writing. Mr. Vainblat has extensive knowledge of the structural design of reinforced concrete, masonry, steel and wood structures, corrosion prevention and protective coatings. As a resident engineer, assistant resident engineer and chief inspector, Mr. Vainblat has performed review of drawings, specifications and coating related submittals, and verified compliance of construction work with codes, drawings and contract documents, and processed payments. Monitored and inspected construction activities, including MPT, excavation, and demolition, the repair and new construction of bridges, roadways, sidewalks, pavements, steel reinforcement, structural steel, concrete placement and testing, lead paint removal and protective coatings application.

Proposed Project Assignment
Construction Manager

Registration/Certifications
2003/Professional Engineer/NY
2010/NACE Certified Coating Inspector Level 3
2009/ICC Structural Steel and Bolting Special Inspector

Education
MA/1981/Civil Engineering

Course Work
2010 - NYCDOT Lead Supervisor Course
2010 - NACE 2 Training Course
2009 - 10-Hour OSHA Training Course
2008 - NACE 1 Training Course
1994 - AWS Certified Welding Inspector Course

Total Years Experience 33

Project Experience
2006-2010 Port Authority On-Call Construction Management Services - Jet Blue Parking Structure at John F. Kennedy International Airport, Queens, NY; 8/07-7/08. Civil/Structural Inspector. As part of this on-call construction management services project, Mr. Vainblat was assigned to perform inspection services of the new, five-story parking structure at John F. Kennedy International Airport's Jet Blue Terminal. This structure is pre-cast concrete on a structural steel frame. Client: Port Authority of New York & New Jersey

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 4/10-Present. Resident Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Vainblat is responsible for inspection of painting operation including lead paint removal, total coating systems replacement and coating of new steel; supervision and training of paint inspectors and chief inspectors; analyzing project progress; developing and giving monthly progress presentations; and working as resident engineer office team member. Client: New York City Dept. of Transportation

Protective Coating of Grand Central Parkway over BQE Bridges, Queens, NY; 7/08-5/10. Resident Engineer. The project involved resident engineering inspection, environmental monitoring/hazardous waste management and construction support services for the protective coating of five Grand Central Parkway/BQE Bridges. Mr. Vainblat was responsible for the day-to-day operation, supervising chief inspector, paint inspector and environmental inspection, operation of field office, community notification and environmental monitoring. Client: New York City Dept. of Transportation

Guerman Vainblat, P.E.
Resident Engineer

Port Authority On-Call Training; 4/10. Instructor. Mr. Vainblat was responsible for developing and teaching a 16-hour curriculum for Structural Steel and Bolting Special Inspector Course. Client: Port Authority of New York & New Jersey

Reconstruction of Roadways and Bulkheads located in the Gerritsen Beach, Contract #HWK1152-R, Brooklyn, NY; 4/07-7/07. Mr. Vainblat served as resident engineer for this project that involved the installation of new bulkheads and outfalls, street restoration including new storm and sanitary sewer, new water main, sidewalks and pedestrian ramps. His responsibilities included review of permits, submittals and approvals, and inspection of outfall items. Client: New York City Dept. of Design and Construction

Installation of Sidewalks and Pedestrian Ramps, Contract #HWS2006Q1, Queens, NY; 6/06-5/07. Mr. Vainblat served as resident engineer for this project involving the installation of new sidewalks and pedestrian ramps. His responsibilities included review of permits, submittals and approvals and inspection. Client: New York City Dept. of Design and Construction

Combined Sewer Replacement and New Water Main Installation at Various Locations, SEQ2590, Flushing, Queens, NY; 10/5-4/06. Mr. Vainblat served as resident engineer for this project involving street restoration including new storm and sanitary sewer, new water main, sidewalks and pedestrian ramps. His responsibilities included review of permits, submittals and approvals and inspection. Client: New York City Dept. of Design and Construction

Restoration of 72nd Street, Contract # HWQP180, Woodside, NY; 7/05-10/05. Mr. Vainblat served as chief inspector for this project involving replacement of existing sewer, installation of new water main and street restoration, and installation of new light poles, retaining walls, parapets, sidewalks and pedestrian ramps. Client: New York City Dept. of Design and Construction

Throgs Neck Bridge Structural Steel Repair and Drainage System Improvement, TN-81, Bronx, NY; 12/02-7/05. Mr. Vainblat served as assistant resident engineer for this project involving removal of existing steel, structural steel repairs, finger joint repairs, new drainage installation, suspender cables rehabilitation, cleaning, preparing and painting of the structural steel, staged construction and MPT. Client: Triborough Bridge and Tunnel Authority

Component Rehabilitation of Nine Bridges, New York, NY; 4/06-6/06. Mr. Vainblat served as chief inspector/resident engineer for this project, which included demolition of two arch bridges over Jackie Robinson Parkway, demolition and removal of concrete deck and structural steel, new structural steel, concrete overlay, deck, parapet walls on various bridges, pedestrian ramps, sidewalks, abutment walls repair, water main repairs, culverts rehabilitation, staged construction and MPT on bridges, highways, railroads, and local streets. Client: New York City Dept. of Transportation

New 33rd Precinct Station House, New York, NY; 2000-2001. Mr. Vainblat inspected steel fabrication and erection (including structural welding, bolting, and metal decking), reinforced masonry, and performed non-destructive testing (Magnetic Particle) of the welds. Client: New York City Dept. of Design and Construction

New Power Generator House at Rikers Island, New York, NY. As senior inspector, Mr. Vainblat inspected structural steel, reinforced masonry and precast concrete. Client: New York City Dept. of Design and Construction

RESUMES

ASSISTANT RESIDENT / FIELD ENGINEERS

Resumes are presented in alphabetical order

ASSIGNMENT

Senior Construction Engineer/Inspector

EDUCATION

Continuing Education in National Electrical Code, Touro College, NYC, NY, 1993-1996
M.S. Physics, The Moscow State University, Moscow Russia, 1971
B.S., Electrical Engineering, Moscow Mining College, Moscow Russia, 1967

REGISTRATION

Licensed Professional Engineer in the State of New York
OSHA 10 Hour Certified

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Belov presents over thirty years' experience in engineering and construction. His diversified experience includes construction inspection of mechanical, electrical, and structural work for infrastructure, transit, toll plaza, and facilities. His specific electrical experience includes inspection of contractors' means and methods for medium and low voltage feeders, cable, conduit, transformers, highway lighting, sign lighting, fiber optic cable, ITS systems, and communication systems and components in accordance with plans and specifications.

- **ITS/Electrical Inspector, NJDOT, I-78 Rehab Contract B** – Served as ITS/Electrical Inspector for Contract B ($72 million) involving reconstruction of 5 miles of express and local lanes in Hillside, NJ., including new roadway slabs, resurfacing, joint repairs, bridge deck repairs and resurfacing, median divider, guide rail, drainage, striping, and fiber optic cables for DMS and ITS. The project extends from MP53.40 to MP58.43 just east of the Garden State Parkway interchange. Inspected installation of ITS systems and components including communication hub modifications, 10,200 feet of 2" conduit, 20,900 feet of fiber optic cable Type A, 3,300 feet of fiber optic cable, Type F 14,300 feet of 1-1/4" flexible conduit, 3 DMS controller modifications, and various junction boxes. (11/12 – Present)

- **Senior Inspector, NJ Turnpike Authority, Newark Bay Bridge Improvements** – Served as ITS/Electrical Inspector on this $94 million project including reconstruction of the bridge deck, and various structural roadway, electrical/ITS, and lighting improvements to the Newark Bay Bridge and Newark Bay-Hudson County Extension from MP N0.00 to N6.00. Scope of work involved removal of 7,200 LF of existing concrete deck and replacement with precast concrete sections. The project also included upgrades for aviation and navigational lighting systems. (6/10 – 10/12)

- **Senior Electrical Inspector, Port Authority of NY & NJ, WTC PATH Hub** - Work on this $2.2 billion project consists of PATH facilities, PATH Terminal Building, underpinning of No. 1 Subway, Pedestrian connections, and LMDC facilities, infrastructure and tenant alterations to Tower No. 7. Performed daily inspections, site visits, and prepared daily narratives for WTC projects:
  - PATH-WTC-TOWER ONE TCA WTC-1OO1-Utility Relocation - Duties included: EIC for workers in PATH area, reviewing contract and as-built drawings & documents, daily, and final inspection for electrical systems and components.

- WTC-Tower # 7 TAA #7001... TAA#7039 Fit Out (4, 10 ... 42, 50 ... 53 Floors) - Duties included reviewing drawings & documents, daily, above ceiling and wall inspection for electrical part of projects.
- WTC -Tower #4 TCA #4000.07-MEP Under Ground & MEP Above Ground - Duties included reviewing drawings, documents and payments, daily inspection, attend and analyzing test results for electrical systems and components. (2/06 – 6/10)

- **Senior Inspector, Triborough Bridge and Tunnel Authority, Project TB-09 B, Deck Replacement for Harlem Lift Span.** Served as bridge inspector for $42 million project for orthotropic deck replacement of the Harlem River Lift Span, Approach Truss Spans and Fender System Replacement. Inspected contractors means and methods for installation of deck panels, structural steel, pull boxes, conduit, light poles, electronically operated gates, traffic signals, sign lighting, and navigation lights. (12/02 – 7/05)

- **Senior Inspector, Port Authority of NY and NJ, Various PATH Projects.** Responsible for inspection of ventilation improvement and substation at Hoboken Terminal; Hackensack River Bridge control tower and motor generator building, including security improvements(CCTV, public address, and intercom systems); drainage improvements at West Side Avenue and rehabilitation of Tonnelle Avenue retaining wall; and replacement of 2-5MVA transformers for 15KV distribution system at Substation 2A. (6/01 – 11/02)

- **Senior Inspector, TB-62, Electrical Relocation on the Triborough Bridge, Triborough Bridge and Tunnel Authority.** Served as bridge inspector for this $5 million project involved the relocation of electrical and communications systems located in the medians of the Queens and Manhattan approaches. Responsible for inspecting installation of new wiring and raceway systems, connections to existing power sources, relocation of lighting and signal systems, illuminated signs located on the bridge, and communication components. (12/00 – 4/01)

- **Senior Electrical/Mechanical Inspector, TB-09A, Rehabilitation of the Harlem Lift Span, Triborough Bridge and Tunnel Authority**. Responsibilities on this $25 million project included bridge construction inspection of modification of existing span drive mechanical system, removal and replacement of the main and auxiliary counterweight ropes, rehabilitation of the main span motors and power distribution system installation of transformers and lighting panels, motor control center, drop cables, lighting receptacles, intercom, telephone, security and fire alarm systems as well as rehabilitation and/or replacement of HVAC systems in the lift span machinery rooms and tower houses. (1/99 – 11/00)

- **Senior Inspector, Project TN-37, Triborough Bridge and Tunnel Authority, Rehabilitation of Throgs Neck Bridge.** Served as bridge electrical inspector on this $7.5 million project. Responsibilities included inspecting the installation of all electrical hardware and power feeder and distribution networks for the bridge and approach roadway lighting systems, toll collection systems and fire and communications systems. In addition to overseeing inspection forces, was directly involved in field design changes, Change Order preparation, preparation of partial payments and preparation of As-Built quantities and drawings. (11/97 – 12/98)

VINCENT S. BUCCI, P.E. — **Senior Construction Engineer/Inspector**

ASSIGNMENT

Senior Construction Engineer/Inspector

EDUCATION

New Jersey Institute of Technology, MS, Civil and Environmental Science
New Jersey Institute of Technology, BS, Engineering Science

REGISTRATION

Licensed Professional Engineer in the State of New Jersey
ACI Concrete Field Testing Technician Grade I expiration 11/18/2014
NJ Asphalt Technology Certificate expiration 6/10/2015
TCC Rutgers CAIT Certificate December, 2009
NJDCA Special Inspector for Concrete Placement, Reinforced Concrete, and Structural Masonry

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Bucci has over 35 years experience in engineering and construction for highway infrastructure, municipal, and water treatment facilities. He has an extensive background in multi discipline engineering, planning, and monitoring for contract conformance to budgets and CPM schedules. Mr. Bucci has hands on experience with utilities and water main installation and testing up to 36 inch diameter pipe plus associated excavation, sewer pipe, conduits, backfill, subbase and road pavement. He is familiar with various contract delivery systems; including lump sum, unit price, and net cost contracts and procedures.

- **Senior Construction Inspector, NJ Turnpike, 6 to 9 Widening** – Inspected contractor's work associated with relocation of utilities to eliminate interferences with this $2 billion high volume expressway project. Prepared daily reports using CAPEX software. (07/10 – Present)

- **Senior Construction Inspector, NJDOT, I-78 Contract C Rehabilitation** – Inspected paving operations, asphalt placement for base and intermediate course, switch over of 6,000 feet of construction barrier, and maintenance and protection of traffic during night time operations. Completed DC-29 reports on a daily basis. (04/10 – 06/10)

- **Senior Construction Inspector, NJDOT, Route 22 EB Shuttle Bus Turnouts, Union, NJ** – Served as Senior Inspector for all phases of work which included temporary traffic control, crash cushion and barrier curb setup; removal of existing reinforced concrete U-turn ramp sections; installation of pre-cast electrical junction boxes, conduits, meter box foundations, meter cabinets, lighting poles, arms, luminaries and wiring; RCP removal, new RCP and inlet installation and pipe cleaning; concrete curb removal and new curb and sidewalk construction, subbase construction, HMA placement, guide rail installation, milling and overlay operations; traffic and pedestrian signage and striping; bus shelter assembly and erection. Duties included daily DC-29 reports for monitoring construction, traffic safety and environmental conditions, material certification compliance and quantity verification, change of plan review and as-built drawing completion. (09/09 – 02/10)

- **Senior Inspector, Bayonne Bay Infrastructure for the Bayonne Municipal Utility Authority (BMUA)** - $47 million phased infrastructure redevelopment project at the Bayonne Peninsula, formerly known as the Marine Ocean Terminal, included new water, sanitary, storm systems and resurfacing of Harbor Bay Blvd. involving one mile of two lane milling and paving with HMAC. The extensive storm water systems included approximately 3,000 ft. of precast reinforced concrete box culverts of various sizes set at slopes of .1% to .3% with flap gates controlling discharge into the Bayonne Bay. (04/08 – 05/09)

- **Senior Inspector, Northeast Quadrant Stormwater Management Project, Cranford Township, Union County, NJ** - $5 million 116 MGD storm water pump station consists of five 75 hp submersible pumps discharging through five 30 inch ductile iron pipes to a common outfall. It included a 66' x 80' cofferdam, 3' thick structural foundation slab and up to 30" thick reinforced concrete walls and top slabs, accounting for approximately 2000 c.y. of concrete. It also included a 1000 HP diesel powered emergency generator. (09/06 – 03/08)

- **Senior Inspector, City of Paterson Combined Sewer Overflow (CSO) Projects** - $4.5 million project at two locations consisted of subsurface structures, the larger (40' x 80') of which required a cofferdam adjacent to the Passaic River. The majority of work consisted of cast-in-place reinforced concrete (approx. 1000 c.y.) and several pre-cast components. (12/04 – 06/06)

- **Senior Inspector, Clyde Potts Water Treatment Facility for the Southeast Morris County Utility Authority (SEMCUA)** in Mendham, NJ. - $7 million project consisted of demolition of an obsolete water treatment plant and construction of a cast-in-place membrane filtration facility with a capacity of 1.2 MGD. Construction included structural concrete and structural masonry utilizing approximately 700 cubic yards of concrete. (08/03 – 09/04)

- **Senior Inspector, Combined Sewer Overflow (CSO) Solids/Floatable Control Facilities, Elizabeth, NJ** – Inspector for $9 million project encompassed 34 sites including both precast and cast-in-place subsurface structures for existing combined sewer lines and installation of new separated sanitary and storm lines and appurtenances. (09/02 - 07/03)

- **Senior Inspector, Water Main Installation, Roseland and Florham Park, NJ** – Inspected water main installation, including milling and paving with HMAC, of one mile of Eisenhower Parkway, a heavily traveled thoroughfare in Essex County. Inspected installation in accordance with plans and specs and maintenance and protection of traffic. (03/02 – 08/02)

- **Resident Engineer, Kakeout Dam & Dike Rehabilitation** – Borough of Butler, NJ – Project consisted of armoring approximately 1500 square yards of downstream face of the earthen dam with a 12" thick reinforced concrete slab, rebuilding the top of dam roadway with reinforced concrete; armoring 1200 square yards of the upstream dam embankment with gabion baskets 1' thick and similarly armoring the Dike at the opposite end of the Butler Reservoir. (06/00 – 12/01)

- **Chief Engineer/Assistant Engineer, County of Essex, NJ** – Worked as direct county employee for 27 years prior to retiring. Administered annual capital improvement program for 5,800-acre County Park system. Provided design, engineering and preparation of plans and specifications for major improvements involving 18 parks and 3 reservations. (1972 – 1999)

John Chiang, P.E.
Inspector

Professional Profile
Mr. Chiang is an inspector who has experience in the design of site plan layout, storm water systems, and on-site sanitary systems; preparation of environmental remedial reports; environmental impact and water quality volume analysis; and the utilization of state, town, and health codes to acquire construction permits.

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
2012/Professional Engineer/NY
2013/ICC Structural Steel and Bolting Special Inspector
2012/ACI Concrete Field Testing Technician Grade 1

Education
BE/2007/Civil Engineering

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2010 - 10-Hour OSHA Training Course

Total Years Experience 4

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 12/13-Present. Senior Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Chiang is part of the main span structural steel rehabilitation team. The 1,625-ft main bridge will be the only remaining portion of the bridge complex, but will be significantly modified to accommodate a newly steel framed roadway deck approximately 60 ft above the existing deck surface. In order to do this, the existing bridge needs to be significantly reinforced and strengthened to allow for a new portal to be opened and construction loads introduced during the staged construction sequencing. Mr. Chiang is responsible for ensuring that the contractor is following approved means and methods during the installation of chord reinforcement plates and selective demolition. Client: Port Authority of NY & NJ

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 6/10-12/13. Mr. Chiang served as senior inspector on this $149-million project which involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. He was responsible for the removal and replacement of wire rope suspender assemblies, main cable rehabilitation, structural steel repairs, and the placement of traffic control devices for daily lane closures and lane reversals on the bridge. He was also responsible for writing Daily Inspection Reports and making progress payments based on estimates of work complete; monitoring and recording work progress schedule(s) using spread sheets; and meeting with Contractor and client (NYCDOT) personnel daily to discuss progress, quality assurance, and to resolve any work-related issues. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 1/07-8/07. Inspector. This $138-million project involved construction engineering and inspection for the widening, redecking and repainting of this viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume, major interstate urban highway/bridge includes replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. Also included is extensive coordination with agencies and local communities. Mr. Chiang worked on the Tillary Street on-ramp in Stage IIA/IIB. Responsibilities included monitoring work that included the demolition of the decking that included three-span lengths, with each span approximately 19 meters long. For the steel structure, steel girders, steel diaphragms, and bearing seats were replaced with new ones. He was mainly responsible for the abutment at the Tillary Street on-ramp. The old wingwalls, pedestals (bearing and steel girders placed above peds) and backwall were torn down. The contractor

placed new concretes to replace the old. The contractor had placed concrete for the sleeper slab and approach slab. Mr. Chiang monitored the contractor's work to make sure he adhered to the contract drawings and specifications. This included field checking rebar placement, testing concrete, monitoring the curing of concrete structures, and making payments for completed work. Client: New York State Dept. of Transportation

While with another firm, 9/07-5/10, Mr. Chiang provided design for a variety of projects that included site plan layout, storm water systems, and on-site sanitary systems; preparation of environmental remedial reports; environmental impact and water quality volume analysis; and the utilization of state, town, and health codes to acquire construction permits. These projects include:

Beacon Hill Estates, Branford, CT. Designer/Civil Engineer. Mr. Chiang was responsible for reviewing and designing a storm water drainage system, creating profile sections for a proposed storm water drainage and sanitary system, vertical horizontal road profiles, and headwall details as per town standards.

Saw Mill River Daylighting, Yonkers, NY. Designer/Civil Engineer. Mr. Chiang performed field visits to note existing site conditions; assisted with site plan design including creating street alignment and profile sections for two roadways running parallel to the river; designed details for storm drainage structures, asphalt pavement, and sidewalk; performed water quality tests for the Saw Mill River; and assisted with the environmental assessment report by analyzing data collected with the water quality test and boring log information in accordance with NYSDEC requirements.

New Hyde Park Streetscape, New Hyde Park, NY. Designer/Civil Engineer. This project involved designing and coordinating grading and drainage improvements for roadway that spanned 11 blocks. Mr. Chiang's responsibilities included accounting for vehicle circulation, pedestrian safety, handicap accessibility, drainage and grading improvements, storm system drainage improvements, sidewalk bumpouts, and coordination of existing utilities and proposed improvements. He designed drainage structures as per village and NYSDOT standards. The site drainage design involved horizontal and vertical alignment of piping structures. The improvements emphasized the alleviation of ponding on the roadway and provided for a safer walking area for pedestrians.

Central Islip Library, Central Islip, NY. Designer/Civil Engineer. Mr. Chiang designed erosion control plan for NYSDEC construction permit in accordance with NYS Erosion and Sedimentation Control Standards. He documented current as-built conditions of the sanitary system; and assisted the project engineer with site plan design and revised design for sanitary piping crossings for as-built conditions. The design of the on-site sanitary systems were modified in-field to maintain groundwater separation distance and utility separation distances as per Suffolk County Health Dept. requirements.

Mazella Property, Park Place II, Mastic, NY. Designer/Civil Engineer. Mr. Chiang designed site layout of a parking lot and building footprint; designed storm water drainage detention system and on-site sanitary system; obtained boring log to design storm water drainage system and sanitary system as per site soil conditions and groundwater level; obtained health department approval and assisted with town board planning approval for the civil plans; and designed a landscape plan to maintain required street frontage requirements for proposed project and provided required green space in accordance with Town of Brookhaven standards.

Mill River Residential Site Plan, Brookville, NY. Designer/Civil Engineer. Mr. Chiang prepared slope stabilization analysis using "cut" and "fill" volume analysis to determine areas of the site that required the least amount of excavation work. He also designed site layout and building location to minimize disturbance of steep slopes.

George R. Davis, P.E.
Resident Engineer

Professional Profile
Mr. Davis has supervised construction work valued in excess of $300M, involving all phases of bridge, highway, utility and railroad construction and reconstruction. He has served as Resident Engineer on many rehabilitation projects involving structural steel and concrete deck replacements on both riveted and bolted structures. Projects have included extensive construction staging and traffic maintenance. Mr. Davis has performed design, construction claim review and constructability review on numerous projects. He has spent his long engineering career rehabilitating, constructing and reconstructing bridges in the NJ/NY Area.

Proposed Project Assignment
Resident Engineer

Registration/Certifications
Professional Engineer: NY, NJ, PA, DE
2013/Rutgers TCC Refresher
2011/NJSAT
2010/ACI-CCTC

Education
MS/1974/Civil Engineering, BS/1972/Civil Engineering

Course Work
2012/ASCE Webinar: Ethical Behavior: The Key to Earning Trust
2012/ASCE, Geosynthetics Webinar
2009/OSHA 10-hr Occupational Safety & Health Training Course
2008/PIE Practical Applications of FRP in Civil Engineering
Bergen Cty Workforce Investment Brd, Meeting Facilitation Training
National Council of Examiners for Eng & Surveying Cert

Total Years Experience 39

Project Experience
New Jersey Turnpike Interchange 6 to 9 Widening Program; 4/09-Present, $1.5B. Field Project Engineer for *Sections 7 & 8 (approximately $283.7 for five contracts)* constructing new "cars/trucks/buses" lanes (outer roadways) – 3 lanes in each direction between interchanges 8 and 8A, adding a third lane to the "cars/trucks/buses" lanes (outer roadways) in each direction of the 10-lane dual-dual roadway between Interchanges 8A and 9, and fabrication of sign structures for use throughout the widening program. Also coordinated constructability review of contract documents during design phase for the 31 construction contracts. Mr. Davis oversaw the following contracts:

- ***Contract No. T869.120.701 (approximately $67M)*** *MP 69.3 to 70.6 in the Township of Cranbury, Middlesex County.* This contract involves reconstruction of the existing northbound and southbound mainline roadways, including the replacement of Structure No. 69.85, and construction of the proposed NSO and SNO roadways, including Structure Nos. 69.85SO and 69.85NO. This project also includes the replacement of Cranbury Station Road over the mainline; roadway improvements at Hightstown-Cranbury Station Road and a short length of Conrail track realignment. Additionally, there is one culvert extension, six retaining walls, and installation of three overhead sign support structures.
- ***Contract No. T869.120.702 (approximately $37.4M)*** *MP 68.3 to 69.3, Townships East Windsor and Cranbury, Mercer and Middlesex Counties.* This contract included the widening of the Turnpike mainline (roadway and bridge) for 1 mile, as well as one bridge structure over the Turnpike.
- ***Contract No. T869.120.801 (approximately $17.4M)*** *Mile 74.3 to Mile 82.3 in the Townships of Monroe, South Brunswick and East Brunswick and the Borough of Milltown, Middlesex County.* This 8 mile contract adds a third lane to the SNO roadway, modifies the deceleration and acceleration lanes at Service Area 8N and includes pavement, guiderail, drainage and lighting. Additionally, the Contract includes the construction of a noise barrier and four overhead VMS structures.
- ***Contract No. T869.120.802 (approximately $38.9M)*** *Mile 70.9 to Mile 74.4 in the Townships of Cranbury, Monroe and South Brunswick, Middlesex County.* Contract 802 included four (4) new bridge structures (three spanning the mainline and one new flyover ramp at Exit 8A). A significant portion of the work on Contract 802 is Utility Coordination with multiple relocations required by Verizon, PSEG (both gas and electric), JCPL, Above Net, AT&T, G4S (Adesta), Monroe Township Utility (water and sewer), NJ American Water and the Rockefeller Group Foreign Trade Zone (sewer).

George R. Davis, P.E.
Resident Engineer

- ***Contract No. T869.120.803 (approximately $123M)*** *Mile 70.9 to Mile 82.3 in the Townships of Monroe, South Brunswick and East Brunswick and the Borough of Milltown, Middlesex County.* This project provides for the construction of approximately three miles of the proposed Turnpike inner and outer roadways south of Interchange 8A. The contract also includes the construction of two Service Area flyover ramps with curved structural steel erection, one culvert extension and two mainline structures over Cranbury Brook and the reconstruction of four ramps at Interchange 8A. Additionally, 30 sign structures, eight stormwater management basins, 22 retaining walls, including high cast in place retaining walls, and the third lane on the NSO roadway between Interchange 8A and Interchange 9 will be constructed.
- ***Contract No. T869.120.901 (approximately $3.2M)*** Advanced fabrication of Overhead Span Sign Structures for VMS and VSLS. Fabricated 40 VMS/VSLS span sign structures for use throughout the widening program.
- ***Contract No. T869.120.902 (approximately $4M)*** Fabrication of Overhead Support Structures for Static Signs. Fabricated 101 Span-, Cantilever- and Butterfly-type structures for use throughout the widening program.
- ***Contract No. T869.120.903 (approximately $2.1M)*** Advanced fabrication of Overhead Span HCMS Support Structures. Fabricated 40 HCMS span sign structures for use throughout the widening program.

Client: NJTA.

NYSTA Tappan Zee Bridge Design-Build Quality Assurance; 4/13-Present, $3.14B. Resident Engineer. GPI, as part of the winning team for the Tappan Zee Bridge Replacement project, will provide independent quality assurance services for design and construction. This bridge replacement project involves a signature 3-mile crossing over the Hudson River that is to be the widest bridge of that length in the world. The plan addresses major concerns of the aging bridge that had a high accident rate, lengthy traffic jams and complete lack of mass transit capability. Key features include: twin spans with a total of eight general traffic lanes, plus emergency lanes and extra-wide shoulders for immediate bus service when opened; unique towers that tilt outward for additional strength and also eliminate the need for cross beams; a first-ever dedicated bicycle and pedestrian path with safe, scenic spots and cultural information about the region's heritage, as well as capability for bus rapid transit, light rail or commuter rail; and a new night light display with potentially changing patterns. As the independent quality assurance engineer for design and construction, GPI will be responsible for providing a quality review of the work being performed, and overseeing and/or performing quality audits of the design-builder's management, design and construction activities, the design-builder's quality control procedures, verification sampling and testing and the quality of the final product, utilizing ISO 9001 standards. Client: NYSTA.

Driscoll Bridge Widening and Rehabilitation, Contract 104-1213; 10/07-4/09, $100M. Resident Engineer. This contract involved replacing deteriorated concrete bridge deck slabs, traffic control, demolition, clearing site bridge, superstructure replacement, substructure repairs, repairing deck spalls, repairing and reconstructing deck joints, repairing headers, removing asphalt surfacing, placing new membrane, resurfacing approach roadways and bridge decks, repairing sidewalks, parapet and curb surfaces, replacement of parapets, pavement striping, and structural steel repairs from Mile 0 to Mile 83 and the Pearl Harbor Memorial Turnpike Extension. As Resident Engineer, duties included being the Owner's direct on-site representative to the Contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJTA.

Manthan Desai, E.I.T.
Inspector

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
2013/Engineer In Training

Education
MS/2011/Construction Management
BE/2008/Civil Engineering

Course Work
2010 - 10-Hour OSHA Training Course

Professional Affiliation
American Society of Civil Engineers (ASCE)

Total Years Experience 6

Professional Profile
Mr. Desai possesses the following experience.

Project Experience
Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, New York, NY; 9/10-Present. Inspector. The project involves construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involves the complete replacement of five bridges, the reconstruction of one bridge along with the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. Mr. Desai is responsible for inspecting daily construction work activities which includes installation of sub base, installation of silt fence, steel fence, and installing of traffic sign. He is also responsible for inspection of the drilling of piles for retaining walls, tie-backs, micro-piles, lagging, and steel ties; inspection of concrete pouring for the foundation of bridge and retaining wall; ITS removal and installation; steel erection for the structure; demolition of structure; lagging, backfill of embankment; and formwork for the structure. Client: New York State Dept. of Transportation

Route 17, Century Road Bridge and Midland Road Bridge, Paramus, NJ; 5/10-9/10. Trainee/Junior Engineer. On this $5-million bridge reconstruction project, Mr. Desai was responsible for reviewing the contract plans and specifications; layout of contract plans with the senior field engineer; and creating and maintaining a daily construction report.

Shangrila Construction, Gujarat, India; 10/08-6/09. Field Engineer. This is a $50-million sewage treatment plant near one of the largest rivers in the state. He observed leveling and concreting of digester and clarifier; discussed project plans with senior field engineers; and submitted daily inspection and safety reports.

Skills
MS Word, MS Excel, MS PowerPoint

John Goon
Electrical Inspector

Professional Profile
Mr. Goon is an electrical inspector with diversified experience in the electrical, mechanical, civil and architectural fields.

Proposed Project Assignment
Field Engineer – Electrical Inspector

Registration/Certifications
2010/NICET II

Education
BS/1988/Electrical Engineering

Course Work
2007 - 10-Hour OSHA Training Course

Total Years Experience 28

Project Experience

2011-2014 Port Authority On-Call Construction Management Services - John F. Kennedy International Airport, Queens, NY; 9/11-Present. Electrical Inspector. As part of this on-call construction management services project, Mr. Goon is assigned to projects at JFK Airport and is involved with inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes; documenting and maintaining daily narratives on contract projects; reviewing plans, specifications and shop drawings, processing and reviewing contractor submittals, change orders and estimates; interacting with architects, engineers, contractors and Port Authority officials; and coordinating scheduled electrical shutdowns with Port Authority Electrical Shop and various departments. Specific assignments he is assigned to include:

- Cargo Areas C and D Communication Vaults
- Restricted Vehicle Service Road Bridge J2 Replacement
- Restricted Vehicle Service Road Bridge J8 Replacement
- Replacement of Tank Gauging System at Satellite Fuel Farm
- Rehabilitation of Taxiways FA and FB

Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - John F. Kennedy International Airport, Queens, NY; 10/06-1/12. Electrical Inspector. As part of this on-call construction management services project, Mr. Goon was assigned to projects at JFK Airport. The Port Authority supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. His responsibilities included inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes; documenting and maintaining daily narratives on contract projects; reviewing plans, specifications and shop drawings, processing and reviewing contractor submittals, change orders and estimates; interacting with architects, engineers, contractors and Port Authority officials; and coordinating scheduled electrical shutdowns with Port Authority Electrical Shop and various departments. Projects he was assigned to include:

- Jet Blue Terminal
- Hangar 17 Parking Facility
- JFK Expressway
- Bulk Fuel Farm and Satellite Fuel Farm
- JFK Red Garage
- AOA Guard Post Security Posts
- Rehabilitation of Traffic Signal System
- Rehabilitation of Cargo Service Road and North Service Road
- Central Taxi Hold Improvements
- JFK Expressway Outbound Widening
- JFK Airport 800 Mhz Trunked Radio In-Building Coverage Expansion Phase 1 & 2
- Perimeter Strengthening
- Central Substation and CTA 5KV Distribution System Upgrade

John Goon
Electrical Inspector

- Replacement of Van Wyck Substation
- Rehabilitation of Cargo Pad "C"
- Central Taxihold Improvements
- Reconstruction and Access Improvements
- JFK Runway Weather Information System Installation
- Runway 13R-31L Reconstruction and Access Improvements
- Replacement of Existing 5KV Outdoor Switchgear at Buildings 241 and 269

Client: Port Authority of NY & NJ

Port Authority of New York & New Jersey, New York, NY; 1998-2006. Senior Electrical Inspector, Construction Management Division. Mr. Goon's responsibilities included management of various capital construction projects at the World Trade Center site, and JFK and LaGuardia Airports including oversight of contractors performing mechanical, plumbing, electrical, civil, and architectural installations. He performed building condition assessment surveys; controlled inspections and quality checks to ensure compliance with contract specifications, drawings, applicable codes and OSHA safety standards; resolved construction issues and contractor conflicts amicably; rehabilitation and renovation of existing building facilities, commercial office spaces and industrial complexes; analyzed and responded to contractors' "Request For Information"(RFI's) on all electrical, mechanical and architectural issues on the project; prepared Post Award Contract Changes (PACC's) for any extra work due to field conditions or change to scope of work on construction and renovation projects; reviewed and provided comments on design submittals for the various construction projects emphasizing all NYC Building Code requirements and compliance with Port Authority standards and specifications; served as liaison for tenant construction projects and facilitated communication between the architect, consultant engineers, contractors, and the resident engineer; coordinated with Port Authority facilities: electrical and mechanical; Port Authority Operations and Police; Risk Management, and Quality Assurance; monitored and reviewed schedule of construction projects; hosted progress meetings and prepared meeting minutes; supervised Time and Material (T/M) projects to ensure that project goals are achieved within forecasted budget and time constraints; conducted desk audits of contractor's Extra Work billings: Change Order, Net Cost, T/M, Emergency Delays and claims to verify for quantity, time and material accuracy; reported the progress of daily construction activities, completed daily reports, and any work scope changes to the resident engineer; negotiated with the contractors using cost effective strategies; supervised and mentored new engineering and construction interns.

DVL Consulting Engineers, Inc., Teaneck, NJ; 1996-1998. Project Management Officer/Engineering. Mr. Goon's responsibilities included directing planning of rehabilitation projects for prisons, churches, post offices, hospitals, and SCA schools; streamlining scope of work, budget, and cost estimates; administering and overseeing ongoing renovation of SCA schools and related commercial office spaces; designating responsibilities and tasks to design and field survey group; reviewing and approving site plans and incoming support services; evaluating and verifying specifications and engineering progress reports; heading meetings with Engineers (various disciplines) and Architects.

STV, Inc., New York, NY; 1994-1995. As an electrical engineer, Mr. Goon's responsibilities included planning lighting and power distribution systems for hospitals, industrial facilities and SCA schools for electrical design group; lead engineer for team during design phase of single line and riser diagrams, motor control centers, and panel schedules; proposed feeder sizing and branch circuits for overcurrent protection; oversaw conversion of logic diagrams into schematic emergency power, grounding systems and calculation of voltage drops; reviewed and finalized site plans and lighting protection systems; handled project issues with architects, engineers and vendors.

Henry Hudson Bridge Rehabilitation, New York, NY; 1993-1994. Mr. Goon served as a construction management field inspector where his responsibilities included supervising electrical, mechanical, civil, architectural, and structural work.

Brian Gormley, E.I.T.
Inspector

Professional Profile
Mr. Gormley is an inspector with the following experience.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 3/14-Present. Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Gormley is responsible for the supervision of drilled shafts installation, prestressed concrete segment assembly, structural steel installation, and concrete placement. Client: Port Authority of NY & NJ

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 5/10-3/14. Present. Inspector. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Gormley's responsibilities included reviewing contract drawings and specifications, observing work done in the field by the contractor, and consulting with the contractor to verify that the work was being completed as designed. Client: New York City Dept. of Transportation

Mr. Gormley has designed a hydraulic feed system for a theoretical company to transfer water 9,400 ft using a given flow rate, piping material, and water temperature avoiding cavitation in the pumps; designed a gearbox to produce a given output using two gears; designed and built improvements to an evaporative cooler for optimal usage in any environment; and used CFD-ACE to run computer simulations to parts designed using Autodesk Inventor.

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
2013/ICC Structural Steel and Bolting Special Inspector
2012/Engineer In Training/NY
2014/FHWA Safety Inspection of In-Service Bridges
2012/AWS Certified Welding Inspector
2010/ACI Concrete Field Testing Technician Grade 1
2013/ICC Reinforced Concrete Special Inspector

Education
BS/2009/Mechanical Engineering

Course Work
2014 - Safety Inspection of In-Service Bridges NHI Certificate of Training
2011 - Confined Space Training
2010 - 10-Hour OSHA Training Course

Total Years Experience 4

Joseph Greenman, E.I.T.
Project Manager

Professional Profile
Mr. Greenman has been actively involved in the construction industry for many years and has a broad base of knowledge and experience of the business as both contractor and consultant manager. He worked for contractors earlier in his career, provided construction management for large construction firms, and served as a vice president/project manager for a construction company. His responsibilities have included estimating, coordination of subcontractors, maintenance of safety programs, maintaining cost records, progress reports, and scheduling.

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
1995/Engineer In Training
2002/NICET III/NY

Education
BS/1980/Construction Management
AS/1978/Civil Engineering

Course Work
2011 - Corps of Engineers Quality Control Management for Contractors (CQM-C)
2011 - Advanced Project Management in Primavera P6 #106
2011 - Project Management in Primavera P6 #102
2007 - 10-Hour OSHA Training Course
NACE Coatings Inspector Level 2 Trained
ATSSA Traffic Control Flagger/Technician
ATSSA Certified Traffic Control Supervisor

Professional Affiliations
American Society of Civil Engineers (ASCE

Total Years Experience 34

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - Tenant Supervision, Jersey City, NJ; 1/13-Present. Senior Civil/Structural Inspector. This project involves assisting the Port Authority's manager with supervising and coordinating the development and delivery of the Real Estate Services Department's program. Mr. Greenman is responsible for overseeing the general contractor and all daily work schedules which includes attendance at a daily morning meeting with the general contractor to discuss the work scheduled for that day and whether or not there are any critical work issues that need to be addressed. He is responsible for issuing work orders to the general contractor for each subcontractor's work; review and processing each invoice and submission to the Port Authority for approval and payment; recording all invoices, work orders, meeting minutes, sketches, RFI's and important memos and e-mails for record and audit purposes; preparation of daily log which is submitted to the assistant director for his information; coordination of all furniture deliveries for the build out floors as well as any day 2 furniture changes that occur; and attendance at weekly group meetings in order to update the Port Authority on the status of the projects. Projects to date include:

- **2 Montgomery Street, Jersey City, NJ, Phase II** – This project involves the installation of a new emergency generator, new cooling tower, and total upgrade to the present data center on the 2nd floor. The first floor is also being developed for potential retail stores.
- **Inspector General's Office Space, Korean Air Cargo Building at JFK Airport** – This project involves the demolition of new space and build out of approximately 6,500 sq ft and includes new HVAC, electric, offices, conference room, interview rooms, lunch area bathroom and storage rooms. In addition, workstations for approximately 30 people will be installed.

Client: Port Authority of NY & NJ

Port Authority of New York and New Jersey, Office Space Services Division; 3/06-3/11. Project Manager. This project involved construction management services for several office facilities in New York City and at the Port Authority's Jersey City Tech Center (PATC), which housed many of the offices that were in the World Trade Center. The projects involved the build out of the vacant 8th and 9th floors at 115 Broadway in New York City, each floor is approximately 13,500 sq ft and the 2nd floor at 116 Nassau Street which is approximately 8,500 sq ft. Also involved on the new World Trade Center, Site Logistics Coordination Center where he monitored all delivery men, material and equipment entering the World Trade Center Construction site. Work at each building included the construction management of various trades which included demolition, general construction, HVAC, plumbing, electrical, furniture, telecommunications, and relocation of personnel upon completion. Client: Port Authority of NY & NJ

Joseph Greenman, E.I.T.
Project Manager

Port Authority of New York and New Jersey, Public Safety Department, Police Academy; 11/04-2/06. Project Manager. This project involved construction of approximately 13,400 sq ft of office space into the new Port Authority Police Academy and construction of various office improvements within the PATC. Various aspects of construction included metal stud and drywall construction, suspended acoustical ceiling panel construction, HVAC, fire sprinkler system, plumbing, audio visual and telecommunications, locker rooms with shower facilities, and training rooms. Mr. Greenman's responsibilities included recordkeeping/management and review of contractors' schedule of operations, minor inspection on daily construction, meeting minutes and distribution. Client: Port Authority of NY & NJ

Port Authority of New York and New Jersey, Public Safety Department, Central Police Desk and Emergency Operations Center; 5/03-10/04. Project Manager. This project involved construction of approximately 10,000 sq ft of office space to house new state-of-the-art audiovisual and radio dispatch equipment which was installed for these three new offices. Elements of the project also included HVAC, fire/sprinkler system, plumbing, finish carpentry, metal stud and drywall construction, suspended metal pan and acoustical ceiling panel construction, glass partitions, telecommunications, audio visual, and kitchen units for break rooms. Client: Port Authority of NY & NJ

Underwater Engineering Services, Inc., a subsidiary of GPI/Greenman-Pedersen, Inc.; 4/11-6/12. Project Manager/Scheduler. Mr. Greenman created and updated Primaverva P6 CPM Project Schedules for various construction projects. These projects include:

- $7.2-million C-41 Canal Bank Stabilization Project - South Florida Water Management
- $1.3-million Elks-Cane Slough Stormwater Treatment Detention Area – City of Port St Lucie
- $1.4-million Lennard Square Stormwater Detention Area-City of Port St. Lucie
- $572,000 Broward County Ocean Outfall Pipe Cover Material Rehabilitation

Long Island Expressway - Grand Central Parkway to Van Dam Street Reconstruction Management, Queens County, NY; 10/02-5/03. Senior Inspector. This $221-million project began at the Queens Midtown Viaduct and continued east approximately six miles to College Point Boulevard. This project consisted of the removal and replacement of the asphalt roadway, installation of an Intelligent Transportation System (ITS), installation of retaining walls, noise barriers, reconstruction of bridge decking, painting of the ramps and bridge structures, landscaping, and maintenance and protection of traffic (MPT). Mr. Greenman's responsibilities included the inspection and supervision of bridge reconstruction, daily reporting, payment quantities and materials testing. Client: New York State Dept. of Transportation

Macombs Dam Bridge over the Harlem River Rehabilitation, Contract #BRX287R, New York, NY; 4/99-10/02. Senior Inspector/MPT Safety Officer. This $145-million project involved highly-complex MPT, phasing and detour routing to completely redeck and reconstruct all portions of the Macombs Dam Bridge and its interchanges, approaches, and ramps (which are elevated viaduct sections). The project also involved total lead abatement painting of bridge and approach structures, replacement of the historic swing bridge mechanism, and installing additional structural steel trusses. Mr. Greenman's duties involved daily inspection of MPT and full safety compliance in accordance with OSHA regulations. His responsibilities also involved an overview of all safeguards for the protection of persons and property, and any special precautionary and protective measures in compliance to plans and specifications. He was also involved with procurement of permits, maintenance of variable message signs and closed circuit TV system within and beyond the project limits during the life of the contract. Oversaw tow trucks, which provided rapid response to vehicular breakdowns. Client: New York City Dept. of Transportation

RAFI HAMID, PE

Civil Engineer

Education
MS, Civil Engineering, State University of New York, Buffalo, USA, 1984
BS, Civil Engineering, NED University, Karachi, Pakistan 1981

Registrations
- Professional Engineer (NY)

Over 27 years of experience both engineering design and supervision services for construction projects. Design and construction experience covers all aspects of residential and commercial buildings, dams, bridges, tunnels foundation and structural engineering. Involved in project management of all phases from program receipt through project Initiation, all design phases, bid documents, follow up through bid-award-registration, and design issues. Extensive structural design experience that covers all aspects of dams and their ancillary structures, bridges, tunnels and drainage structures, preparation of design criteria and design reports, technical specifications and contract documents. Designed several large span pre-stressed concrete and steel bridges and performed biennial inspection of more than 200 bridges in the Greater New York area. Team Leader for the condition evaluation of the 63rd street tunnel in connection with the East Side Access Project.

New York City Department of Design & Construction (NYC DDC), Edgemere Urban Renewal Area Project, New York NY

Assisted CM Team for the Installation of water mains, storm and sewer lines, BMP etc. Familiar with DDC's SCOPS, field manual and manual for inspection of distribution water main installation, DEP's standard sewer and water main specification etc. DOT's Standard Highway Specifications.

New York City Department of Environmental Protection (NYCDEP), New Croton Aqueduct Rehabilitation Project, New York NY

Served as Assistant Resident Engineer. This 33 mile long New Croton Aqueduct was placed in service in 1890 to supply about 290 million gallons a day (mgd) of water to portions of Westchester County, the Bronx, and Manhattan. The work involves improving structural stability of 31-mile long lined aqueduct and 34 deep brick lined shafts with contact and consolidation grouting, brick replacement, crack repair, epoxy coating, installation of pressure caps, repairing historic gatehouses, electrical work, replacement of piping, pumps, motors and casing in municipal shafts serving water to various villages in Westchester county, installation of 60-feet long concrete plug to divert raw water through tunnels to new Croton Water Treatment Plant (WTP). Improving the drainage system at various gatehouses and shafts by installing new roof drains, raceway wall drains, dry wells, sump pumps & interior piping, setup/maintain un-watering tunnel portions, water quality testing of samples. Set up lane closure for shafts works, access roads repairs etc. Duties included managing and supervision of two technical assistants and twelve inspectors, ensuring work is completed in accordance with the specification and approved shop drawings/submittal, site visits, technical meetings, preparation of bi-weekly job progress and monthly progress reports, overseeing the preparation and negotiation of change orders, review of contractors claims monitoring, review and approval of monthly payments requisitions, contractor schedule, as-built drawing preparation, closing RFI's, maintaining permits, non-compliance reports, sub-contractor approvals, ensuring Health and Safety Plans implemented, liaison relationship with DEP, coordination with Contractor and designer, reviewing technical approval for any structure related cost reduction, resolve construction problems. Winner of ACEC Diamond Award for 2011. Construction cost $ 120 Million.

New York City Department of Environmental Protection (NYCDEP), Combined Overflow Sewage Project, New York, NY S

Served as a Senior Engineer on NYCDEP Paerdegat Basin Combined Sewer Overflow Facility; Brooklyn (Prevents 1.2 Billion Gallons of Untreated Wastewater From Flowing into Jamaica Bay During Storms Each Year). Responsible for inspection of four below-ground CSO retention tanks holding 30 million gallons plus another 20 million gallons in the connecting lines will prevent not only the discharge of 50 million gallons into Jamaica Bay during rain events but will also screen out debris from entering into waterway. Odor control building included five exhaust air trains, carbon filters and variable speed fans to eliminate odor from the plant. The pump back building helps send the retained waste water back to the Coney Island Wastewater Treatment Plant after the rain subsides. A large size crew facility and community board buildings. Responsible for inspection of influent channel, sanitary and storm sewers, bored piles, retaining walls, sheet piling, excavations, structural steel framing with moment connections

using TC Bolts, stainless steel metal roofing covered with nail board, titanium and ice water sheeting, masonry work, reinforced and pre-cast floor slabs, concrete encasements, aluminum curtain walls, coiling doors, louvers, epoxy and resilient flooring , cementations fire proofing, fire stopping, gypsum board, acoustical tiles, caulking and numerous other items. Construction Cost $ 404 Million.

New York State Department of Transportation (NYSDOT), Tappan Zee Bridge Fender System, New York

Construction of new fender system for two main bridge piers. Scope of work included removal of old timber fender system, driving 48" diameter battered steel pipe piles using steel templates, welding of shear studs to the pipe piles, construction of a RC sub-cap beam, installation of pre-cast post tensions T-panels on sub-cap beam using 750 T overhead crane installed on barge, placement of gravel and tremie concrete, reinforcement cages and HP concrete in pipe piles, construction of caps on the pre-cast panels and post-tensioning operation. Construction Cost $ 50 Million.

New York State Department of Transportation (NYSDOT), Biennial Inspection of Bridges in Queens, New York, NY

Responsible for the inspection of 200 bridges based on NYSDOT Biennial inspection guidelines. Responsibilities included inspection of all bridge components, documenting safety by issuing yellow and red flags to the Department of Transportation in order to implement further action, rating bridge members, developing auxiliary forms for hazardous conditions, updating inventory of bridges and inputting data into BIPPI software

Metropolitan Transportation Authority (MTA), Long Island Railroad (LIRR), 63rd Street Tunnel in Connection with East Side Access Project, New York, NY

Responsible for visual condition survey of more than 200 buildings and their basements located 200 ft at either side of the tunnel alignment under Park Avenue from 2nd avenue to Grand Central Terminal. Structural integrity inspection of existing 8,000 ft of lower tubes of the tunnel, which include machine bored, drill and blast, pre-cast tubes and cut & cover sections. The inspection consists of 100% visual and 10% hands-on and was carried out using moving scaffold and ladders. Reviewed existing structural drawings and CAD drawings depicting the defects that were prepared for the entire tunnel. Prepared comprehensive condition evaluation reports. Also, performed condition evaluation of ancillary structures throughout the tunnel which include ventilation facilities.

Metropolitan Transportation Authority (MTA), New York City Transit (NYCT), Environmental Inspection, New York, NY

Scope of work included construction inspection in connection with lead based removal for the rehabilitation of over 150 subway stations, viaducts, bridges and elevated structures. Responsible for lead removal according to the SSPC guidelines, site safety and coordinating with NYCT construction team.

New York State Department of Environmental Protection (NYSDEP), Catskill and Delaware Reservoir Systems, Catskill, NY

Responsible for condition evaluation of six large dams (Gilboa and Olive Bridge Dams on Catskill Reservoir, Cannons Ville, Downsville, Never sink and Merriman Dams on Delaware water shed) including inspection and drainage galleries, spillways, intake and outlet chambers, screen house and other facilities. Dams were inspected using belaying techniques. Prepared comprehensive reports for each individual dam including drawings for remedial work and preliminary cost estimates.

YAZEED KHAYYAT, PE

Senior Signals and Systems Engineer

Key Qualifications
- ✓ Extensive Major Capital Transit Project Experience
- ✓ Expert Signals Engineer

Education
- MS, Project Management, Keller Graduate School of Management
- BS, Electrical Engineering, Valparaiso University

Registrations
- Professional Engineer (NJ & MD)

Yazeed has proven records of managing multi-discipline engineering programs for the transit industry. His success is attributed to his 27 years in-depth understanding of projects' elements from a consultant, contractor, and client perspectives coupled with his hands-on experience with multi-engineering technologies and methods. Yazeed has managed several high profiles, complex, and high cost transit projects successfully. Through detailed examination of projects anticipated and actual performance, Yazeed specializes in identifying projects risks early and his innovative methods to mitigate the risks.

Authority (IRTA) METRA – Signal Upgrade Program – Chicago, IL Technical Lead
Technical lead, as part of a technical team Yazeed prepared train signal upgrade preliminary design document. The document was based on field surveys and staff workshops/meetings. The document identified METRA's existing as well as objectives from upgrading the signal system. The document was based on effective balance of desired outcome and available technologies/methods of implementing signal systems. As the second largest commuter rail operator in North America, METRA serves approximately 310,800 commuters each weekday through the operation of eleven rail lines connecting the city of Chicago with six surrounding counties in Illinois, and also providing service to Southeast Wisconsin and Northern Indiana.

New Jersey Transit (NJT) – Atlantic City-Brigantine Connector – Atlantic City, NJ Technical Evaluator as Technical Evaluator, analyzed cost and logistical proposals submitted for track realignments and associated signal and communications relocation due to relocation of train-fueling islands and infrastructure. The evaluation included detailed analysis of labor and material indicated in the proposal and a recommendation based on American Railway Engineering and Maintenance-Request for Proposal (RFP), DTFT60-13-R-00001 P. 17 *Federal Transit Administration (FTA) Triennial Review (TR) Program* of-Way Association (AREMA) regulations and NJT practices and policies. As a result, Yazeed's evaluation enabled the client to realize significant cost savings.

Chicago Transit Authority (CTA) – Midway Orange Line – Chicago, IL
Resident Engineer
Yazeed was the resident engineer representing CTA on this new project that included 7 substations and associated infrastructure to the Orange Line connecting Midway Airport to the city center and the other service lines. Yazeed's responsibilities included daily monitoring of construction, coordinating interface with other systems such as track, stations, communications, and Supervisory Control and Data Acquisition (SCADA). He prepared daily log and presented the Authority in various construction meetings. Because of his in-depth knowledge of traction power, Yazeed also provided technical guidance to contractors and integrators.

Chicago Transit Authority (CTA) – Traction Power Maintenance – Chicago, IL
Testing Engineer
Yazeed performed various design and maintenance duties on the entire CTA system, comprised of 43 substations, nine tiebreaker houses, 15 subway-switching rooms, and several hundred miles of cables. His design included modifications to existing equipment such as rectifiers, transformers, and switching devices. Yazeed implemented several of his designs, which enhanced the operation of the traction power system. In addition to the existing substations, Yazeed participated in reviewing and modifying new substation designs and power distribution networks. As a result of CTA's expanding its service, Yazeed also participated in the design and implementation of substation expansion to a total of 50 substations.

Chicago Transit Authority (CTA) – Supervisory Control and Data Acquisition (SCADA) System Design – Chicago, IL
Resident Engineer
Resident Engineer for CTA SCADA project that included design and installation of RTU at 43 substations, 15 subway locations, and a redundant master control station at the control center. Yazeed was responsible for maintaining the existing Visicode supervisory control system (analog Request for Proposal (RFP), DTFT60-13-R-00001 P. 18 *Federal Transit Administration (FTA) Triennial Review (TR) Program* relay based system). During the design phase, Yazeed reviewed and modified the design to effectively meet CTA's requirements. To ensure compliance with specifications, he participated in the factory acceptance testing of the SCADA system, where he verified the quality and functionality of the system. To ensure a smooth transition from the Visicode system to SCADA, a detailed plan was implemented that included pre- and post-SCADA installation activities. The plan ensured that the substation control was not jeopardized during system transition.

Metropolitan Transportation Authority (MTA), Long Island Railroad (LIRR) – Supervisory Control and Data Acquisition (SCADA) System Design – New York, NY
Implementation Task Leader
Yazeed was responsible for designing and implementing a cutover plan to replace the SCADA system without interrupting service to LIRR's system which included 108 substations, four breaker houses, 22 motor generators, 280 high voltage utility switches/breakers, 187 cathode breakers, 585 DC feeders, 86 third rail electrically operated switches, 190 high tension signal switches, and over 1,000 miscellaneous status indications.

Detroit Department of Transportation (DDOT) – Service Improvements Utilizing Automatic Vehicle Location (AVL) – Detroit, MI
Project Manager
Yazeed lead a team of experts to guide DDOT personnel to verify the AVL system data and to utilize the data to enhance eservice delivery. DDOT AVL is installed on approximately 500 buses and includes hardware/software and wireless communications infrastructure to enable monitoring of bus movement and collection of vital service data such as schedule adherence and passenger counting. Yazeed's efforts included field verification of data accuracy and conducting training sessions to generate and analyze service performance reports. Based on the analysis, Yazeed trained DDOT personnel to better understand the short-, mid-, and long-term impact of the generated reports and effective methods of enhancing service delivery.

Nashville Metropolitan Transit Authority (NMTA) – Service Improvements Utilizing Automatic Vehicle Location (AVL) – Nashville, TN
Technical Lead
To improve service delivery and to maximize funding opportunity, the NMTA and MNPS embarked on a collaborative project to implement AVL on 400 transit vehicles, 100 paratransit vehicles, 1,500 public school buses, and 400 support vehicles. Yazeed assisted NMTA/MNPS prepare the procurement document including technical and special provisions, evaluate received bids, and negotiate a mutually beneficial contract.

Connecticut Transit (CTTransit) – Hydrogen Fuel Cell Bus Facility – Hartford, CT Project Manager Project manager preparing safety design documents to enable CTTRANSIT's 400-diesel bus facility to safely accommodate hydrogen fuel cell buses. Leading a team of design experts, Yazeed evaluated CTTRANSIT's facility and prepared a safety design document that was presented to management and local jurisdiction having authority, insurance carriers, and fire officials. The document identified potential risks and mitigation along with operation procedures. The design was fully compliant with applicable codes and standards without any classification of equipment. This proven method resulted in large construction cost savings while maximizing safety at the facility. **Illinois Regional Transportation**

ASSIGNMENT

Senior Construction Engineer/Inspector

EDUCATION

New Jersey Institute of Technology, MS, Transportation Engineering, 1993
Hertfordshire University, BS, Structural and Geotechnical Engineering, 1979

REGISTRATION

Licensed Professional Engineer in the State of New York
Member of ACI, American Society of Civil Engineers
ACI Concrete Field Testing Technician – Grade 1 Expires 06/27/2018
Mix Design Certificate – Completed on July 18, 2014
OSHA 10 hr. Construction Certification – Completed May 11, 2013
Work Zone Safety Awareness – Completed on May 2, 2013
Traffic Control Coordination Designation – Expires 9/30/2015

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Johnson has 32 years' experience in engineering and construction for infrastructure, transportation, and government facilities. He has an extensive background in heavy civil, structural, engineering and inspection for compliance with plans and specifications. He is familiar with NJ Turnpike and Port Authority systems, and procedures contract requirements; including lump sum, unit price, and net cost contracts and procedures.

- **Senior Construction Inspector, PANYNJ, EWR AirTrain Base System Running Surface Major Rehab** – Served as Construction Inspector on a major rehab of sections of the EWR AirTrain base system guideway running surface. Monitored and documented contractor's on-site resources. Visual verification quality of work from catwalks. Visual inspection work in-progress from catwalks. Witnessed various tests. Provided daily progress reports. (5/1/14 – 5/31/14)

- **Senior Construction Inspector, NJDOT Maintenance Movable Bridge and Tunnel Repair Contract 2012, DP# 11406 at Rte. 130 Raccoon Creek Bridge, Bridgeport; Rte. 130 Oldman's Creek Bridge, Oldman's Twp.; Rte. 40/322 Inside Thorofare, Atlantic City; Rte. 50 Tuckahoe Creek Bridge, Tuckahoe; Rte. 44 Mantua Creek Bridge, Paulsboro; Rte. 7 Hackensack River, Whittpenn Bridge, Jersey City; Rte. 71 Shark River Bridge, Belmar and Rte. 29 Tunnel Bridge, Trenton, New Jersey** - Responsible for the inspection of maintenance construction on the above bridges, Maintenance construction work includes but not limited to steel work and repair, concrete work and spall repair, bridge deck joint repair, stress gauging and counter weight balancing, replacing counter weight steel plates with lead blocks, lane closure for maintenance and protection of traffic, electrical installation and testing, bridge sheaves and sidewalk repair. (12/13 – 4/14)

- **Senior Construction Inspector, NJDOT, Reconstruct, Rehab, and Repave Rt. 30 Roadway from Grove Street to Brand Avenue (DP 13131), Camden County, NJ** – Responsible for the inspection

of roadway work on Rt. 30 between Grove Street and Brand Avenue. Roadway work included demolishing existing handicap ramps, aprons and sidewalks, and then rebuilding them to meet DOT standards and specifications; Milling and repaving Rt. 30 between Grove Street and Brand Street; and lane closure for maintenance and protection of traffic. (11/13 – 12/13)

- **Senior Construction Inspector, NJDOT, Pavement Preservation (DP 13420) on I-295 NB and SB between MP 32.1 to MP 41.0 including EB and WB Ramps within the limits in Camden and Burlington Counties, NJ** – Responsible for inspection of pavement preservation on I-295 NB and SB roadways from MP 32.1 to MP 41.0 including EB and WB ramps within the limits. Pavement preservation work included milling and paving sections of I-295 and some ramps; micro-milling and paving the remaining sections of I-295 and some ramps; repaired spalls on remaining ramps; replace sections of head curbs, bicycle grates and face plates along I-295 and ramps. Fog sealed sections of shoulder areas along I-295; and lane closure for maintenance and protection of traffic. (8/13 – 11/13)

- **Assistant Transportation Engineer, NJ Turnpike Operations** - Reviewed MPT design plans for various projects to determine compliance with Turnpike regulations. Reviewed plans for wireless antenna installation for compliance with Turnpike specs and regulations. (2009 – 2011)

- **Senior Construction Inspector, Port Authority of New York and New Jersey, Various PATH Projects** – Responsible for inspection of various tunnel, utility, yard, and station projects for compliance with plans and specifications. Prepared daily narrative reports for Resident Engineer for Construction Division. (2008 - 2009)

- **Senior Inspector, New Jersey Turnpike, Bridge Deck Repairs and Resurfacing (Mile 83 to Mile 122)** - Responsible for construction inspection for structural components, concrete, and steel rebar during night time operations and coordination, review, construction and budget planning, oversaw quantity estimates, and submittals of shop drawings, RFIs and change orders; reviewed and approved contractor's monthly requisitions/payments; etc. utilizing CAPEX software. (2/07 - 3/08)

- **Senior Inspector, MTA-Bridges and Tunnels, Various Projects/Work Orders Queens Midtown Tunnel, Throgs Neck and Bronx Whitestone Bridges** - Senior inspector on various projects including construction of an access roadway to the Queens Anchorage at Bronx Whitestone Bridge. Traffic Island reconfiguration, Parking lot construction and rehabilitation of Pipe gallery utility tunnel and lighting system at QMT. Concrete pier repairs, installation of new steel systems (railings, ladders, cages, etc) in Bronx and Queens Anchorages plus upgrade EZ-Pass power and communication systems at Throgs Neck Bridge.(5/05 - 2/07)

- **Resident Engineer, Burlington County Bridge Commission, Structural Repairs, Tacony-Palmyra Bascule Span** - Senior Resident Engineer responsible for this $3.5 million project that included the removal of existing and installation of the new track plates, structural repairs of the bridge pier rack frames, pier cap floors and walls. This involved milling the existing girder, marine and vehicular outages, concrete placement, maintenance and protection of traffic and also replacement of existing bumper blocks. Miscellaneous repairs were performed in response to bi-annual inspection report. (2/04 - 4/05)

Gregory Lau
Electrical Inspector

Professional Profile
Mr. Lau is an inspector with experience on roadway and bridge projects involving inspection of electrical facilities such as closed circuit TV cameras, bridge and building lighting systems, electronic traffic control devices, security systems, fiber optic cables, maintenance and protection of traffic procedures, and other components of NYS INFORM system.

Proposed Project Assignment
Field Engineer – Electrical Inspector

Registration/Certifications
2009/ACI Concrete Field Testing Technician Grade 1
2008/NICET II

Education
BE/1990/Electrical Engineering

Course Work
2011 - Confined Space Training
2004 - 10-Hour OSHA Training Course

Total Years Experience 22

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 6/10-Present. Electrical Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Lau is responsible for the inspection of the demolition and installation of new roadway on the Manhattan and Brooklyn approaches and ramps. He will also perform maintenance and protection of traffic (MPT) when needed. He was also responsible for the electrical inspection of the replacement of the street lamps and underdeck luminaires along the ramps; the electrical inspection of CCTV cameras and associated equipment near the Manhattan Bridge; the electrical inspection of the replacement of the dehumidification system in the anchorages; and the inspection of the dry standpipe system. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 2/07-6/10. Electrical Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Lau's responsibilities included electrical inspection of installation of electroliers, two bridge travelers, ITOS/CCTV/VVDS systems, anchorage and bridge lighting and lane control system using fiber optic and VMS signs. Client: New York City Dept. of Transportation

Northern State Parkway ITS/INFORM Upgrade, Contract #D259535, Nassau & Suffolk Counties, NY; 11/06-2/07. Electrical Inspector. The project involved construction inspection services for the $13.6-million upgrade to the NYSDOT, Reg. 10, INFORM System. The project features included installation of rigid conduit and fiber optic cable from the Reg. 10 INFORM Control Center in Hauppauge to the Queens County line. The new fiber optic system included nine Travel Time Signs, (EZ Pass) Tag Readers, Acoustic Vehicle Sensors, Closed Circuit TV cameras, and transmit antennas. All necessary support system hardware, controllers, and system software were also installed. This high-tech project required very sophisticated installation, testing and acceptance procedures. Mr. Lau was responsible for the inspection of all construction activities performed by the contractor. Client: New York State Dept. of Transportation

Gregory Lau
Electrical Inspector

Staten Island Bridges Rehabilitation, Staten Island, NY; 9/03-11/06. Electrical Inspector. The project involved construction management services for structural, civil, mechanical, electrical, and bridge painting services. Mr. Lau's responsibilities included inspection of electrical facilities including bridge and building lighting, electronic traffic control devices security systems and fiber optic cables, and review of design and testing of electrical and electronic equipment. As electrical inspector for the central access door control system, he was responsible for construction management services for electrical, structural and mechanical services; inspection of new security system for cameras, motion sensors, card access and doors using Lenel OnGuard and Verint; and assists in the design of the testing parameters. Client: Port Authority of NY & NJ

ABT Builders, Inc., Nutley, NJ; 8/02-3/03. As a supervisor, Mr. Lau managed several trades to renovate a restaurant in Newark Airport Terminal C. He acted as liaison to Port Authority inspectors to ensure that all renovations were within code and was responsible for keeping the project on schedule and within budget.

MTI Technology, Inc., Hazlet, NJ; 2/00-3/02. As systems engineer, Mr. Lau designed data storage structures utilizing devices in a fibre channel data network; managed multiple, simultaneous projects from delivery to implementation and support; designed a Windows NT 4.0 network for MTI equipment to simplify support and access; and maintained customer documentation.

Vestals, Inc., New York, NY; 9/99-2/00. As systems engineer, Mr. Lau maintained Windows NT 4.0 hosts and streaming video servers and wrote documentation.

Fleet Financial, New York, NY; 6/98-8/99. As systems engineer, Mr. Lau designed, implemented and tested Windows NT 4.0 network for all branch offices; automated software updates for workstations; created security policies implemented in the organization; trained internal personnel on the new network; and wrote documentation.

Fleet Financial, New York, NY; 6/96-6/98. LAN Administrator. Mr. Lau led this project that involved converting paper documentation to electronic format by archiving data to CDs as off-lien and near-line data. He supported end-users on hardware and software issues, and wrote documentation.

Micro 2000 Computers, Carle Place, NY; 2/94-6/96. As a service engineer, Mr. Lau operated and maintained customer service center.

Proconics International, East Fishkill, NY; 6/92-9/93. Mr. Lau served as a field engineer responsible for maintaining a fleet of automated wafer handlers for microchip production at IBM.

Other Skills:
Windows NT, 2000, and XP; MS-DOS, MS-Office
Backup Software: Legato Networker and Veritas NetBackup
Knowledge of storage architectures SAN, NAS, and DAS
Brocade fibre channel switches
Implementing security policy in computer networks
TCP/IP and Novell networks, Unix and Linux

Barry Matarangas, P.E.
Resident Engineer

Professional Profile
Mr. Matarangas is a licensed Professional Engineer with over 32 years of experience in the construction field. He is experienced with high profile projects and the complexities of working in urban areas of high volume commuter traffic. He has worked on the Commodore Barry Bridge, Williamsburg Bridge, the East 10th Street Bridge, and performed various bridge inspections. Throughout his career, he has taken on the project management responsibilities. His extensive and varied construction experience has provided him with the tools to assure a successful project.

Proposed Project Assignment
Resident Engineer

Registration/Certifications
Professional Engineer: 1993/NJ; 1988/NY
2011/ACI-Concrete Field Testing Tech-Grade I
2011/ACI-CCTC
2011/NJSAT
2012/Rutgers TCC Refresher
2010/Rutgers Work Zone Safety Awareness; 2009/NYC Site Safety Coordinator

Education
BS/1981/Civil Engineering

Course Work
2012/Rutgers, Continuing Professional Competency Day
2010/OSHA 10 Hr. Construction Safety & Health
2006/OSHA 30 Hr. Construction Safety & Health

Total Years Experience 32

Project Experience
Ocean Avenue Bridge over Long Island Railroad, Brooklyn, NY; 8/13-Present, $3.2M. Resident Engineer. GPI will provide REI services to NYCDOT for the component rehabilitation of the Ocean Avenue Bridge over the LIRR in the Borough of Brooklyn, NY. The work scope will include the removal of the existing concrete parapets on both sides of the bridge which will be replaced with new steel bridge railing and protective fencing; replacement of deteriorated sections of the bridge; rehabilitation of bridge abutment concrete components and installation and replacement of new steel stringers, bearings; and installation of new armorless joints. Several other miscellaneous tasks will be completed including the demolition of an existing building under the bridge; removal and replacement of an existing watermain with a new steel watermain; removal of graffiti and application of new anti-graffiti coating; and resurfacing the existing asphalt pavement. Traffic will be protected and maintained throughout the rehabilitation of the various bridge components. As the RE, Mr. Matarangas is responsible for conducting progress meetings, engineering & RFI submittals, change order analysis, schedules inspection staffing requirements on a weekly basis and reviews all of the Inspector's Daily Construction reports. He also reviews all monthly quantities and payments submitted by the contractor and provides in depth CPM analysis for the client and defends claims by the contractor against the client. Client: NYCDOT

Commodore Barry Bridge Miscellaneous Structural Repairs (CB-18-2010); 9/11-12/12, $20M. Resident Engineer. GPI performed construction management services for the Commodore Barry Bridge Miscellaneous Structural Repairs project. The work included the rehabilitation and/or replacement of bearings, gusset planes, steel barrier, below deck walkway modifications plus miscellaneous concrete and steel repairs for the Commodore Barry Bridge and one approach bridge at US Route 322 over US Route 130. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner, checking accuracy of inspection reports, monitoring progress schedule and progress, resolving conflicts between inspection staff and contractor, preparing change orders, preparing monthly pay estimates and project close-out. Client: DRPA .

NJDOT Region North Resurfacing, Route 80 Polifly; 8/09-6/12, $15.2M. Resident Engineer. This Federally funded project included bridge deck spall repairs (both full and partial depth), bearing work, joint repairs, resurfacing of approximately 8 miles of I-80 EB express and local lanes as well as, concrete pavement repairs and safety improvements from Paterson to Hackensack, NJ as part of the Federal Highway "American Recovery and Reinvestment Act of 2009". The project involved milling and HMA paving of mainline roadway, reconstruction of inlets, curbs, guiderail, full and partial depth concrete pavement repairs, bridge deck repairs and pavement markings. The majority of contract work was performed during continuous weekend night closures allowing commuter traffic going to New York City unimpeded access for the Monday morning AM commute. The close proximity to the major Hudson River crossings involved in depth coordination with the NJTA, Port Authority of NY/NJ and the transit agencies. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a

Barry Matarangas, P.E.
Resident Engineer

Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner, checking accuracy of inspection reports, monitoring progress schedule and progress, resolving conflicts between inspection staff and contractor, preparing change orders, preparing monthly pay estimates and project close-out. Performed many project duties utilizing ACES and Microsoft Office. Client: NJDOT

Route 120 Paterson Plank Road (Contract No. 002043262) MP 2.76 to MP 2.09, Boroughs of East Rutherford and Carlstadt, Bergen County, NJ; 8/10-9/11, $30M. Resident Engineer. The project improves traffic flow by reconstructing and widening Route 120 Paterson Plank Road through the addition of an auxiliary right lane in each direction between the Route 17 and Murray Hill Parkway intersections. The Paterson Plank Road Bridge over Route 17 is being widened on the eastbound side and the Route 120 bridge over NJ TRANSIT's Pascack Valley Line is being widened on both sides. New traffic signals are being installed at the intersection with Murray Hill Parkway and the Route 17 northbound on-and-off ramps. A new drainage system is also being installed on Route 120. Mr. Mataragas is responsible for administering the project covering all aspects of construction relating to road plans, environmental plans, grading plans, cross sections, traffic control and staging plans, demolition plans, pile plans, bridge plans and additional change of plans for both road and bridges. Interpretation of Standard Specifications and Special Provisions (specific to project). Reports submitted on a daily basis and pay quantities submitted for estimate purposes. In addition, Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner, checking accuracy of inspection reports, monitoring progress schedule and progress, resolving conflicts between inspection staff and contractor, preparing change orders, preparing monthly pay estimates and project close-out. Performed many project duties utilizing ACES and Microsoft Office. Client: NJDOT.

East 10th Street Pedestrian Bridge; 2002-2006, $3.5M. Construction Manager for the renovation of the East 10th Street Pedestrian Bridge over the FDR. Client: NYCDOT

Williamsburg Bridge, Contract #7, Pedestrian Walkway; 2002-2006. Senior Construction Inspector of the superstructure steel for the pedestrian walkway at the Williamsburg Bridge. Project work was included in Contract #7 of the total bridge rehabilitation. The addition of the pedestrian walkway superstructure was at the north and south faces of the east approach. Client: NYSDOT

Juilliard School at Lincoln Center & NYU Genomics Laboratory; 2006-2009. Project Superintendant, Engineer. Project Engineer and Superintendent of Structures. Responsibilities included reviewing engineering submittals by subcontractors, negotiating change orders, developing trade schedule, issuing RFI's, remediating non-conformances and directing subcontractor field work to meet project schedule. Client: NYU

Various Building Projects; 1996-2001; **Project Manager (PM), Project Engineer (PE).**

- Project Engineer for this $80M airside development project at JFK Airport, International arrivals/departures building, Terminal 4.
- Project Manager for the $12.5M foundation & slab construction of the 60,000 sq. ft. transfer station for USA Waste, Bronx, NY. Ref: Ben Reinholtz, Morse Diesel (company no longer exists)
- Project Manager for the $1.7M utility & fuel line relocation for Continental Airlines airside baggage facility at Newark Airport. Ref: Lou Pizzani, Tishman construction
- Project Manager for the $4.3M construction of pile caps, grade beams & slabs at Essex County Jail, Newark, NJ. Ref: Jim Carr, Gilbane Construction
- Project Manager for the $6.5M construction of foundation & slab at Harborside Financial Center – Plaza 5, Jersey City, NJ for Mack-Cali Development. Ref: Roger Gardella, Director of Construction

As the Project Manager for the above projects, Mr. Matarangas was the concrete subcontractor to the CM on the project. His responsibility as the PM was to implement the project schedule as a subcontractor, negotiating change orders, issue RFI's, submit engineering submittals and direct the project superintendant with regard to cost and labor and implementing the project schedule according to the overall project's needs.

ASSIGNMENT

Senior Construction Engineer/Inspector

EDUCATION

B.S., Mechanical Engineering, 1975, Polytechnic University, Brooklyn, NY

REGISTRATION

Licensed Professional Engineer in the State of New York
OSHA 30 Hour, 40 Hour Site Safety Manager

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Matin has over 25 years of engineering and construction inspection experience in transportation and industrial projects, including 18 years with New York City Transit. His experience includes construction management, supervision, inspection, design review and planning for various New York City Transit Authority projects. He was responsible for supervision of multi-discipline trades, including electrical and mechanical. Mr. Matin witnessed testing of electrical and mechanical equipment and components to meet performance criteria. He is proficient in computer software including CAPEX, MS Word, Excel, Critical Path Method (CPM), and AutoCAD.

- **Senior Construction Inspector, PANYNJ, EWR AirTrain Base System Running Surface Major Rehab** – Served as Construction Inspector on a major rehab of sections of the EWR AirTrain base system guideway running surface. Monitored and documented contractor's on-site resources. Visual verification quality of work from catwalks. Visual inspection work in-progress from catwalks. Witnessed various tests. Provided daily progress reports. (5/1/14 – 5/31/14)

- **Senior Inspector, NJTA, OPS A3319, Installation of VMS Signs** - Responsible for inspection for sign structure installation, excavation, drilled shafts, rebar, concrete, electrical, conduits, fiber optic cable, CCTV Cameras, and controls for NJ Turnpike Contract North T600.102B. Witnessed tests for system control panel, fiber optic cable, and wireless access point (WAP) sensors in pavement. (2/12 – 10/13)

- **Senior Inspector, TBTA, BBT Rehabilitation** - Inspection of drainage system in conjunction with installation of new switch gear for ventilation, electrical control panel, and electrical conduit and cable. (11/11-2/12)

- **Safety Engineer, Safety Dynamics** – Responsible for overseeing contractor's worker activities to comply with safety requirements. Project included station modernization and rehabilitation, replacement of third rail, tunnel and station lighting, signal room, electrical distribution room and platform replacement. (2/9 – 11/11)

- **Construction Manager, Bass Construction Corp., NY** - Managed all phases of construction projects ensuring efficient administration of the company. Performed design, pre-construction, and general construction tasks. Supervised project development in cooperation with architects, engineering

staff and customers. Analyzed project budget, scope, and schedule. Directed and supervised tradesmen and semi-skilled laborers ensuring compliance with contract plans and specifications. Projects included medical office facility with 50 ton HVAC system, including equipment, air handlers, sheet metal, duets, electrical, and control systems. (4/02 – 1/09)

- **Consulting Engineer, New York City Transit Authority, Various Projects** - Construction supervision of new $10-$20 million emergency fan plants and pump stations in Manhattan and Queens. The projects involved field testing, inspection of control panel, and valves for compliance with plans and specifications. Witnessed performance testing of fans and associated components to meet performance criteria. Performed overall administration of the project. (3/98 – 4/02)

- **Resident Engineer, New York City Transit Authority, Various Projects** - Construction supervision of employee's facilities and police crew quarters in Manhattan, Brooklyn and Queens. Construction cost was in the range of $2 million for each facility. Projects involved construction inspection of plumbing, electrical, fire protection, elevator, and HVAC equipment and components. Maintained liaison with contractors, agencies, and operations for overall administration of the project. (1993 – 1998)

- **Resident Engineer, New York Transit Authority, Maintenance Facility** - Responsible for construction inspection of renovation and modification of car maintenance, repair complex and car wash facility in Staten Island. The intent of the $10 million projects was to perform levels of maintenance on Staten Island. For more complex work, cars were shipped to Coney Island. Construction inspection involved erection of structural steel, electrical and lighting, plumbing, tracks, fire protection, and HVAC system. Responsible for monthly reports, progress meetings, close out, and turnover to operations after project acceptance. (2/85 – 12/93)

Thomas Moen, EIT
Resident Engineer

Professional Profile
Mr. Moen is a senior inspector who is has most recently served as an assistant resident engineer for multiple bridge painting projects for the NJDOT on Rte 280 and Rte 80. With over 20 years of experience, he has also been responsible for supervising daily on-site steel operations, inspecting installation of main bridge track support members including stringers, longitudinal bracing columns for conformance with contract and shop drawings, and monitoring demolition of main span track support steel.

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
1999/EIT
2012/NJSAT
2011/Rutgers Work Zone Safety
2014/Rutgers TCC Refresher
2009/ACI-Field Grade I
2013/ACI-CCTC
1997/NACE Coatings Inspector Level 2
1996/NYSDOT MPT Certified
1995/SSPC C-3/Supervisor/Competent Person Training for Deleading of Industrial Structures

Education
BS/1993/Civil Engineering

Total Years Experience 21

Project Experience
Goethals Bridge, Staten Island Bridges Rehabilitation, Staten Island, NY Contract # 274.094; 3/04-3/07, $60M. Senior Inspector. The project involved deck repairs and replacement of barrier and sidewalk. The project involved construction management services for structural, civil, mechanical, electrical, and bridge painting services. Responsibilities included inspection of Goethals Bridge construction including concrete deck repairs, removal of deteriorated concrete and steel, preparation of deck for rapid setting concrete, repairs to structural steel and bridge railing, surface preparation and painting of the structural steel and railing repair areas, and concrete parapets and inspection of MPT. Senior inspector on night shift for three years of this project which involved the removal and replacement of existing scuppers, joints, curb barrier, and sidewalk on eastbound and westbound roadways, as well as milling, deck repairs, waterproofing, repaving, and replacement of cantilever floor beams. Track quantities for payments. Client: Port Authority of NY & NJ

Passaic County Replacement of West Brook Road Bridge over the Wanaque Reservoir, Structure No. 1600-491 Boroughs of Ringwood and Wanaque; 10/13-Present. Project includes construction engineering and inspection of the replacement of West Brook Road Bridge) over the Wanaque Reservoir. The existing bridge is a seven-span simply supported concrete T-girders bridge case monolithically with a reinforced concrete deck. The bridge replacement project consists of construction of a new two lane, two-way bridge on a new alignment south of the existing bridge and demolition of the existing bridge. The new bridge will be a three span continuous steel plate girders structure approximately 650 feet long over the Wanaque Reservoir on a new alignment south of the existing bridge. Client: Passaic County

NJDOT Bridge Paint Contract 2012-2, Route 80 Bridges; 6/12-10/13, $6M. Inspector. This bridge painting contract involves the painting of six bridges along Route 80 in Passaic County. This project involves the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved coatings system. The projects incorporate traffic control on a high speed highway, MPT, nightwork, staging, and environmental (Lead Abatement) constrains unique to repainting on major urban bridges. The construction services contract involves the managing of four separate painting contracts with three independent painting contractors. Extensive coordination is done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities are addressed for structures that span local streets. Duties included the on-site inspection of the contractor's means and methods for foundation excavation, steel piles, and sub and superstructure reinforced concrete bridge items. Client: NJDOT

NJDOT Region North Maintenance Engineering & Operations CM/CI 2011 (#2011MEO842A) Term Agreement – Task Order #1 Bridges and Task Order #5 Concrete Repairs; 12/11-4/12, $3M consultant fee. Inspector. **GPI is providing Maintenance Construction Inspection Services for** Maintenance Construction Inspection for a 3-yr Term Agreement for various 100% State Funded Contracts and Permit Projects in Region North. The majority of the maintenance work is located in the counties of Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union, and Warren. Work includes construction inspection for maintenance drainage, paving, bridge concrete repair and moveable bridge repair contracts. Duties included the on-site inspection of the contractor's means and methods for foundation excavation, steel piles, and sub and superstructure reinforced concrete bridge items. Client: NJDOT

Thomas Moen, EIT
Resident Engineer

NJDOT Region North Multiple Bridge Cleaning and Painting Projects, Interstate Bridge Painting Contract Route I-280, Contracts 1 ($8M) and 3 ($6M) , and Route I-80, Contract 2 ($7M), Essex County, NJ; 4/11-Present. Inspector Bridge Painting. This is a FEDERAL STIMULUS PROJECT FUNDED BY ARRA for the painting of 17 bridges on Route I-280 in Essex County. These bridge painting projects involve the removal of hazardous material (existing old lead based paint) and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved coatings system. The projects incorporate traffic control on a high speed highway, staging, and environmental (lead abatement) constraints/controls unique to repainting on major urban bridges. The construction services contract involves the managing of four separate painting contracts with three independent painting contractors. Responsible for monitoring containment operations (hazardous material/environmental), monitor implementation of approved Health and Safety Plan, MPT, quality of coating materials, proper storage, mixing, application of coating materials, inspect coating for compliance with contract specification, surface preparation, paint removal, also managing and training the inspection force. Inspect as needed on any one of multiple projects, must follow-through with RE to assure schedule (day/night) and proper NJDOT reporting. Client: NJDOT

NJDOT Region North Multiple Bridge Cleaning and Painting Projects, Route I-80, Contract 2, Morris and Passaic Counties, NJ (Multiple Projects); 8/11-11/11, $7M. Inspector Bridge Painting. This was a FEDERAL STIMULUS PROJECT FUNDED BY ARRA for the painting of five bridges on Route I-80. This bridge painting project included the removal of hazardous material (existing old lead based paint) and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved paint/coatings system. The project incorporated traffic control on a high speed highway, staging, and environmental (Lead Abatement) constraints unique to repainting on major urban bridges. The construction services contract involved the managing of four separate painting contracts with three independent painting contractors. Involved communication and coordination with local municipalities as well as interagency coordination with work on other major roadways. Responsible for monitoring containment operations (hazardous material/environmental), monitor implementation of approved Health and Safety Plan, MPT, quality of coating materials, proper storage, mixing, application of coating materials, inspect coating for compliance with contract specification, surface preparation, paint removal, also managing and training the inspection force. Inspect as needed on any one of multiple projects, must follow-through with RE to assure schedule (day/night) and proper NJDOT reporting. Client: NJDOT

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 12/10-4/11, $149M. Senior Inspector. This project involved the unwrapping and rewrapping of cables; replacement of suspenders; removal and replacement of coatings system, lead abatement, replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Moen was responsible for inspection of the contractor's means and methods for the following: MPT, monitoring of contractor's LHSP, containment in an urban setting, removal of existing lead paint system; inspection of power tool clean (SSPC SP-3) for installation of new continuity plates, suspender cable anchoring boxes, and new cable bands; application of three-coat paint system; and monitoring weather conditions to make sure it's acceptable for paint application and curing. Duties also included the on-site inspection of the contractor's means and methods for bridge coatings system, foundation excavation, steel piles, sub and superstructure reinforced concrete bridge items, drainage piping and structures, subgrade, subbase, DGABC, and bituminous paving in lifts. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 3/07-9/07, $150M. Senior Inspector. Responsibilities included monitoring of contractor's demolition of existing lower roadway deck slab at the Brooklyn plaza and anchorage; inspection of backfilling operations, installation of rebar and formwork in preparation for new deck slab, cast-in-place barrier and abutment wall at Brooklyn plaza; inspection of painting of bridge in suspended and approach spans including containment operations, MPT, surface preparation, hazardous waste removal and storage, quality of coating materials, proper storage, mixing, application, inspect coating for compliance with contract specification, surface preparation, and application of three coat paint system; inspection of rebar and formwork placement for new deck slabs and cast-in-place barrier, and the installation of the waterproofing system at the Brooklyn and Manhattan Anchorages. Client:, New York City Dept. of Transportation

Ignacio Ortega
Assistant Resident Engineer

Professional Profile
Mr. Ortega has been a senior field engineer for over 16 years. His experience in heavy electrical construction includes experience in 34.5 KV, 27KV, 15KV, and 480V. His skills include Electrical Power Systems, Lighting, Traction Power, Signaling SCADA, UPS Systems, Cathodic Protection, Grounding Systems, Fiber Optic, CCTV, HVAC Controls, Fire Alarms, Building Management Systems and Access Control Systems.

Proposed Project Assignment
Field Engineer – Electrical Inspector

Education
BS/Civil Construction Technology
AA/Electrical Engineering Technology

Course Work
2011 - New York City Dept. of Buildings 4-Hour Supported Scaffold User Certificate
2007 - 10-Hour OSHA Training Course
Substation Engineering
Power Distribution Service, Public Service Energy & Gas
Medium Voltage Splicing & Terminations
High Voltage Safety
Fiber Optic-Splicing, Installation and Testing
Design, Installation and Trouble Shooting of Emergency & Standby Generation Systems
Certified Electrical Estimators, Commercial/Industrial Construction
On-Track Safety for Contractors, Amtrak Railways
EWER Monorail Safety, PA
30-Hour OSHA Training Course

Total Years Experience 26

Project Experience

2011-2014 Port Authority On-Call Construction Management Services - Replacement and Upgrade of the Christopher Street Substation for PATH, New York, NY; 11/11-Present. Assistant Resident Engineer. The focus of the project is to replace and upgrade electrical traction power substation equipment at the Christopher Street Substation. Mr. Ortega is responsible for coordinating contractor's supervisory personnel regarding schedule, sequence, and method of work; reviewing contractor's inspection surveying and testing request and subsequent completed reports; monitoring conformance with the contractor's schedule; field inspections of the work in progress in consultation with both resident engineer's and contractor's supervisory staff; preparing written and oral reports to the resident engineer on contractual and procedural matters; reviewing and approving all payment applications; and reviewing the contractor's shop drawings as delegated by the resident engineer. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - PATH, NJ; 1/10-11/11. Assistant Resident Engineer. As part of this on-call construction management services project, Mr. Ortega was involved with the Port Authority PATH's Police Command Center Renovation. Mr. Ortega was responsible coordinating contractor's supervisory personnel regarding schedule, sequence and method of work; reviewing contractor's inspection surveying and testing request and subsequent completed reports; monitoring conformance with the contractor's schedule; field inspections of the work in progress in consultation with both resident engineer's and the General Contractor's supervisory staff; preparing written and oral reports to the resident engineer on contractual and procedural matters; reviewing and approving all payment applications; and reviewing the contractor's shop drawings as delegated by the resident engineer. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - Security Capital Program, Various Locations, NY; 9/06-9/11. Assistant Resident Engineer. As part of this on-call construction management services project, Mr. Ortega was involved with the Port Authority Capital Security Program which involves the hardening of all Port Authority facilities throughout the multi-facility Port Authority district. Mr. Ortega was responsible coordinating contractor's supervisory personnel regarding schedule, sequence and method of work; reviewing contractor's inspection surveying and testing request and subsequent completed reports; monitoring conformance with the contractor's schedule; field inspections of the work in progress in consultation with both resident engineer's and contractor's supervisory staff; preparing written and oral reports to the resident engineer on contractual and procedural matters; reviewing and approving all payment applications; and reviewing the contractor's shop drawings as delegated by the resident engineer. Client: Port Authority of NY & NJ

Ignacio Ortega
Assistant Resident Engineer

Port Authority Bus Terminal Construction Program, New York, NY; 7/04-9/06. Senior Electrical Inspector. This project involved the replacement of three of the original chillers, chillers 1, 2 and 4, at the bus terminal. The chillers were replaced with state-of-the-art 900-ton chillers with peripheral subsystems including new 5KV starters, new 5KV feeders, four 100 hp motors, a building management system for automation and a new firm alarm system. Work was installed and commissioned without any disruption to the facility. Mr. Ortega was responsible for the installation, commissioning and integration of the 5KV System and ancillary electrical/communication subsystems for three new 900 ton chillers; resolving all field conflict issues; analyzing and evaluating omissions in technical construction documents and providing possible solutions to design group; reviewing and approving subcontractors payment applications; constructability review of all 90% electrical drawings; contractor compliance with federal and state construction safety requirements; and coordinating all electrical work with Port Authority Bus Terminal Facility and Operations Staff. Client: Port Authority of NY & NJ

PATH Restoration, WTC Site, New York, NY; 2002-2004. As senior electrical inspector, Mr. Ortega's responsibilities included the installation and integration of the 27KV, 15KV, 480V, DC Traction Power, SCADA and multiple communication systems at the temporary PATH station at the WTC Site. He was also responsible for contractor compliance with contractual obligations, pertinent specifications and codes, contractor compliance with quality control plan, analyzed and evaluated omissions in technical construction documents and provided solutions to the resident engineer's office. Mr. Ortega was also responsible for system startup on various electrical/communication sub-systems, contractor compliance with federal and state construction safety requirements. He provided technical assistance and coordinated work activities for four junior members of the electrical inspection/engineering team and reviewed and approved subcontractor's payment applications. Client: Port Authority of NY & NJ

Airlink Station, Newark Airport, Newark, NJ; 2001-2002. Senior Field Engineer. This project involved the installation and integration of the communication system at the Airlink Station. Mr. Ortega's responsibilities included resolving all field conflict issues, analyzed and evaluated omissions in technical construction documents and provided solutions to design group. He represented the Port Authority at project meetings with various federal agencies, state agencies, contractors, design professionals and utility companies. He was also responsible for system startup on various electrical/communication sub-systems, contractor compliance with federal and state construction safety requirements and represented the "construction team" at Port Authority senior management meetings. Client: Port Authority of NY & NJ

North East Corridor Extension Project, Newark, NJ; 1998-2001. As field inspection engineer, Mr. Ortega's responsibilities included contractor compliance with contractual obligations, pertinent specifications and codes, reviewed and approved subcontractors' payment applications. He represented the company at project meetings with various federal agencies, state agencies, contractors, design professionals and utility companies, analyzed and evaluated construction documents to ascertain changes to the original scope of work, and provided the timely flow of technical information to the field. He was also responsible for contractor compliance with federal and state construction safety requirements and coordinated deliveries of construction equipment to job site.

Base EWR Monorail, Newark, NJ; 1994-1997. Mr. Ortega served as contract administrator where his responsibilities included verifying contractor compliance of contractual obligations and pertinent specifications and codes. He reviewed and approved subcontractor's payment applications, and identified "close out" requirements to expedite contract completion. He also worked with the quality assurance department to prepare and conduct QA audits, and was involved in the selection of subcontractors.

While with another firm, Mr. Ortega was involved with project management and coordination of field operations during various projects; 1988-1994.

Edward T. Roche, P.E.
Senior Inspector

Professional Profile
Mr. Roche is a detail oriented professional engineer with diverse experience in the field of the construction of bridges, structures, and highway projects. He is currently assistant resident engineer on the NJTA 6-9 Widening Program. He has previously worked as a Resident Engineer for the NJDOT's Route 1&9 and Delancy Ramp Widening project and has worked on rehabilitation and construction projects for other major bridges in the New Jersey/New York area including the Driscoll Bridge, George Washington Bridge, Macombs Dam Bridge over the Harlem River, and the Williamsburg Bridge.

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
Professional Engineer: 2006/NJ, 1999/NY
2013/ACI-CCTC
2013/ACI Concrete Field Testing Tech-Grade I
2013/Rutgers TCC Refresher
2010/NJSAT
2000/NACE Level 1
2000/AWS Certified Welding Inspector

Education
BS/1981/Civil Engineering

Total Years Experience 22

Project Experience

Port Authority of New York & New Jersey On-Call Construction Management Services - George Washington Bridge, Fort Lee, NJ; 4/03-1/07, $250M for On-Call Contract. Senior Inspector. Responsibilities included quality assurance inspections of structural steel and reinforced concrete repairs on the George Washington Bridge. This included daily planning and monitoring of MPT as well as preparation of reports for compliance with contract plans and specifications. Also documenting work with photos and progress reports for various contracts at the different bridges and tunnels. Client: PANY&NJ

NJDOT Route 35 Sandy Restoration, MP 9 to 12.5, Mantoloking to Point Pleasant; 3/14-Present, $35.9M. Resident Engineer. NJDOT Route 35 Sandy Restoration, MP 9 to 12.5, Mantoloking to Point Pleasant; 3/14-Present, $35.9M. Resident Engineer. As a subconsultant to Ammann & Whitney, GPI is performing construction inspection for the first stage of the Route 35 construction. Through this 3.5 mile section of the project, one lane exists in each direction. Project includes: full depth roadway reconstruction of Route 35 for 3.5 miles including new curbs and sidewalks; construction of a new stormwater drainage system including four underground pump stations; sewer & water main replacement & relocation; construction of replacement bulkheads. Duties include being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJDOT

New Jersey Turnpike Interchange 6 to 9 Widening Program, Contract 502; 6/10-3/14, $38.9M. Resident Engineer (5/13-3/14); Assistant Resident Engineer (6/10-5/13). *Contract No. T869.120.502 (approximately $38.9M) Grading, Drainage, Paving & Structures NSO/SNO Roadways MP 62.0 to 63.4, Township of Robbinsville, Mercer County.* Mr. Roche started on this project as Assistant Resident Engineer and in 2013 was promoted to Resident Engineer. The project is substantially complete. This contract involved the construction of the mainline outer roadways in the southern portion of Section 5 including a proposed U-Turn structure, reconstruction of the Gordon Road and Sharon Road overpasses and two mainline structures over Assunpink Creek. This contract also included two stormwater management basins, seven sign structures, one noise barrier and retaining walls. ARE Duties included, in the absence of the RE, being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. He was responsible for as-built quantities, assisting in the preparation of contractor payments, traffic control, assigning staff to cover contractor operations. Mr. Roche also performed inspection duties including for foundation excavation, steel piles, sub and superstructure reinforced concrete bridge items, drainage piping and structures, subgrade, subbase, DGABC, and bituminous paving in lifts. Client: NJTA

Route 1 & 9 Northbound Ramp to Delancy Street Reconstruction, Newark, Essex County, NJ; 7/09-6/11, $1.3M. Resident Engineer. This project replaced the Route 1&9 northbound ramp to Delancy Street and installed a new traffic signal at the intersection of Route 1 & 9 and Delancy Street in Newark. The project consisted of road reconstruction utilizing full depth pavement (i.e. subgrade, subbase, Dense Graded Aggregate Base Course, and

bituminous HMA base and Superpave surface course pavement), drainage improvements, and included roadway lighting, signing and signal improvements. Client: NJDOT

NJTA Contract 104-1213, OPS P3094 Driscoll Bridge Widening and Rehabilitation; 2/07-8/09, $100M. Senior Inspector. This project was the largest single dollar value construction contract in the history of NJTA. GPI, subconsultant to PB Americas, for the rehabilitation of the superstructure of the first two bridges. In the first stage of construction, the original bridge (now designated as the "Northbound Outer" or "NBO" bridge) received a major overhaul, with northbound traffic being maintained on the second bridge ("Northbound Inner" or "NBI") in six lanes (only 9'-8" wide) plus the counterflow lane on the new ("Southbound" or "SB") bridge. During the next stage, traffic was switched to the newly rehabilitated NBO (plus counterflow lane), and the process was repeated on the NBI structure. The work on each bridge included complete removal of the existing deck, curbs, barriers, lighting and drainage; replacement of all existing main girder bearings with electrometric or isolation bearings; installation of new bolsters between existing stringers and floorbeams to adjust the top-of-steel elevations to conform to the new deck cross-slopes; miscellaneous steel repairs; installation of new deck joints and composite concrete deck using HPC concrete and epoxy-coated reinforcing steel; bridge drainage system; concrete barriers and new bridge lighting. On the NBO structure, an existing overstress condition in the floorbeams was eliminated by using high-strength post-tensioned strands attached to anchorages and deviators at the bottom flange of every floorbeam. Approach roadway drainage and paving and new overhead signage completed the work. Client: NJTA

Macombs Dam Bridge over the Harlem River, Contract #BRX287R, New York, NY; 11/00-4/03, $145M. Senior Inspector. The Macombs Dam Bridge is the oldest swing bridge in New York City. Responsibilities included providing construction engineering and inspection of the Macombs Dam Bridge over the Harlem River. Duties also included the preparation of reports for contractor payments including verification of quantities and compliance with contract plans and specifications. Client: NYCDOT

Williamsburg Bridge, Contract #7, North Roadways Reconstruction, New York, NY; 6/00-9/00, $13M. Inspector. Resident engineering and inspection for the reconstruction of the North Inner and Outer Roadways. Major work items included the construction of the new North Approach structure, construction of the new Marcy Avenue substructure (elevated structure which connects the North Roadways to the BQE) including the installation of 700 bored-in-piles; construction of new reinforced concrete pile caps, piers, retaining walls and abutments; new superstructure consisting of steel girders with a concrete filled grid deck; and new drainage and bridge lighting. In addition, work also involved new underdeck inspection of walkways, the replacement of the existing pedestrian walkway with a new orthotropic deck walkway, and replacement of the deck and framing system on the main bridge with an orthotropic deck system and accompanying barriers; and extensive MPT plans. Client: NYCDOT

Williamsburg Bridge, Contract #6, BMT Structure Rehabilitation, New York, NY; 4/99-6/00, $176M. Senior Inspector. This project consisted of the demolition and reconstruction of the entire BMT transit structure on the Williamsburg Bridge. Responsible for organizing and leading the quality assurance inspections and quantity reporting for all structural steel and reinforced concrete demolition and construction on this project. Duties included the preparation of reports for compliance and payment acceptability. Client: NYCDOT

Goethals Bridge, Contract AKG 274.022, New York, NY; 7/00-8/00. Senior Inspector. This project involved structural repairs, cleaning and painting of the New York and New Jersey approaches of a major steel truss bridge. Responsibilities included monitoring the collection and disposal of lead paint, inspection of containment systems, application and testing a new paint system. Responsibilities also included monitoring MPT on the NJ Turnpike and coordinating lane closures with the NJ State Police. Client: PANY&NJ

Riverside South, New York, NY; 5/97-4/99, $20M. Structural Engineer/Construction Inspector. This project involved the construction of new infrastructure to access two new high-rise buildings on the West side of Manhattan including the construction of three new bridges, two of which are over active Amtrak lines, and the construction of 600 LF of new roadway on 100,000 cy of fill. Responsible for ensuring contractor compliance with plans and specifications; review and coordination of shop drawings; record keeping according to MURK; inspection of caps, columns, piers, retaining walls; erection of structural steel and precast units, bearings, armored joint systems; construction of bridge decks and approach slabs; and bridge construction in accordance with NYCDOT Bureau of Bridges and NYSDOT standards and specifications. Client: Trump/New World

ASSIGNMENT

Senior Construction Inspector

EDUCATION

M.S., Civil Engineering, University of Washington, Seattle, WA, 1970
B.S. Civil Engineering, 1966

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Sachdev has over 30 years of engineering and construction inspection experience in transportation and industrial facilities, including over 25 years with New York City Transit. His experience includes construction management, supervision, inspection, design review, auditing, and planning for various New York City Transit Authority, Board of Water Supply, and NYC Department of Environmental Protection projects. He has inspected track, structures, concrete, paving, and ancillary railroad systems, electrical, and mechanical systems for compliance with plans, drawings, and specifications. He is familiar with NYC Transit and Port Authority systems and procedures.

- **Senior Construction Inspector, Port Authority of New York & New Jersey, EWR AirTrain Base System Running Surface Major Rehab** – Served as Construction Inspector on major rehab of sections of the EWR AirTrain base system guideway running surface. Monitored and documented contractor's on-site resources. Visual verification quality of work from catwalks. Visual inspection work in-progress from catwalks. Witnessed various tests. Provided daily progress reports. (5/1/2014 – 5/31/2014)

- **Senior Field Inspector at Tectonics Engineering**- Inspection of various DDC construction projects - New Police Academy, Coney Island Hospital Extension, Queens Museum and S. I. Children's Museum extensions etc. Inspected pile driving and drilling, subgrade, shoring, concrete and rebars for the foundations. (5/11 - 01/13)

- **Senior Construction Engineer/ Inspector, Port Authority of New York & New Jersey, Port Commerce Facilities** - Inspected contractor's work related to intermodal facility at Port Ivory, Howland Hook and tenant alteration applications at Port Newark/Elizabeth, including modifications to Administration Building, emergency water main and track repair and tenant alterations at Teleport, involving new office space and utilities for various companies. Projects at Brooklyn Piers included fender repairs, pile repairs, dredging, emergency paving repairs, and security guard booth. (4/06 – 11/10)

- **Senior Construction Inspector, Port Authority of New York & New Jersey, Restoration of PATH Service to Manhattan** - Inspected contractor's work connected with the $360 million project, including temporary PATH station at WTC, rehabilitation and expansion of Exchange Place Station, and rehabilitation of Tunnels "E" and "F". Verified compliance with plans and specifications. Prepared daily narratives and reports. Also responsible for coordination with train master for removal of blast material for new crossover tunnels, inspection of additional PATH projects including CCTV upgrade at South Street Yard, including new light poles, foundation excavation, and concrete placement; additional elevators at Pavonia Station; and chemical grouting at various locations. (2002-2004)

- **Resident Engineer, New York City Transit, Rehabilitation of New Lots Line, Brooklyn, NY** - Construction supervision and coordination of Elevated Subway Line Project. The project involved replacing structural steel girders, seat brackets, column rehabs, track work, stair replacement, and mezzanine hanger repair, replacement of structural concrete and water proofing of thru-spans. (1999-2001)

- **Resident Engineer, New York City Transit, Rehabilitation of Various Pump Rooms in Brooklyn and The Bronx, NY.** The work involved providing new electrical service, pumps, discharge lines, valves, new structural slab, new doors and lighting, etc. (1995-1999)

- **Resident Engineer, New York City Transit, Handicap Ramps for SIRTOA Stations, Staten Island, NY.** The project consisted of providing over 500 feet of ramps over pile foundations at two elevated stations, Dongan Hills and Great Kills. (1993-1995)

- **Resident Engineer, New York City Transit, Rehabilitation of Castleton Avenue and Yukon Avenue Bus Depot, Staten Island, NY.** The projects involved new bus lifts, structural slab, new roll up doors, lighting, electrical service, oil separator tank and discharge pipes, paving, new parking lots and fencing. (1993-1995)

- **Resident Engineer, New York City Transit, Structural Rehabilitation of SIRTOA, Right of Way, Staten Island.** The project consisted of providing new retaining walls, crib walls, soil stabilization, riprap and sheet piling along SIRTOA right-of-way at various locations. (1991-1993)

- **Resident Engineer, Parking Lots at Two SIRTOA Stations, Staten Island.** Construction of parking lots at Dongan Hills and Annandale Stations including excavation, drainage, paving, and striping. (1990-1991)

- **Engineer Auditor, New York City Transit**, Engineering audit of various Transit Authority projects. Auditing of payments, material, and additional work orders. (1985-1990)

- **Civil Engineer, New York City Transit**, Planning, scope and property acquisition of various projects. (1977-1985)

- **Assistant Civil Engineer, New York City Department of Environmental Protection.** Sewage treatment plants at Ward Island and Port Richmond. Inspection of pile foundation and structural walls for sewage treatment plans. (1976)

- **Assistant Civil Engineer, New York City Board of Water Supply, Third Water Supply Tunnel.** Design review and checking working drawing for the third water supply tunnel. (1970-1976)

Saif Salahuddin, P.E.
Assistant Resident Engineer

Professional Profile
Mr. Salahuddin is C-3 Supervisor/Competent Person certified with extensive experience in construction management and construction inspection projects. He has over 20 years of experience on large scale infrastructure projects. Mr. Salahuddin has provided specialized engineering services in the field of construction engineering, construction management, and in the planning and design of highly complex, multi-million dollar transportation infrastructure projects to almost all the major government agencies in the Tri-State area including the NJDOT, NYSDOT, NYCDOT, NYSTA, NYCDDC and various other local government agencies.

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
Professional Engineer: NJ
1995/NICET III; 1995/NICET II
2010/NJSAT
2013/Rutgers TCC Refresher
2014/ACI-CCTC *(Lifetime Certification)*
2012/ACI Concrete Field Testing Tech – Grade 1

Education
ME/1994/Civil Engineering; BE/1989/Civil Engineering

Total Years Experience 20

Project Experience
New Jersey Turnpike Interchange 6 to 9 Widening Program; 11/12-Present, $2.7B. Senior Inspector for Contract No. T869.120.803 (approximately $118M) NSO/SNO Roadways and Service Area 7S Ramps Grading, Drainage, Paving, Structures & Lighting Milepost 70.6 to Milepost 82.6. This contract provides for the construction of approximately three miles of the proposed Turnpike inner and outer roadways south of Interchange 8A. This contract will eliminate the existing merge/diverge, which will require a significant amount of construction staging. The contract also includes the construction of two Service Area flyover ramps, one culvert extension and two mainline structures over Cranbury Brook and the reconstruction of four ramps at Interchange 8A. Additionally, 30 sign structures, eight stormwater management basins, 22 retaining walls and the third lane on the NSO roadway between Interchange 8A and Interchange 9 will be constructed. Construction is anticipated to commence in the second quarter of 2012 and be completed in the second quarter of 2014. Client: NJTA

Resurfacing of Route 35 from South of Cherry Tree Road to Route 9, Middletown, Holmdel, Hazlet, Aberdeen, & Old Bridge Townships, Keyport & Sayerville Borough, City of South Amboy, Monmouth & Middlesex Counties, NJ; $3.9M, 8/12-11/12. Senior Inspector. This project included HMA surface course milling and paving; construction of new handicap ramps in conformance with ADA guidelines, sidewalk and curb improvements; drainage structure improvement; landscaping, new traffic striping and traffic signal improvements. In addition, the work included bridge deck partial depth repair, bridge sidewalk and curb repair, spall repair and deck joint repair at various bridges throughout the project limits. As a Senior Inspector, Mr. Salahuddin was responsible for inspection of all work items to ensure that they were in compliance with plans and specifications, payment processing, worksite safety and as-built reports. Client: NJDOT Region Central

New Jersey Turnpike Interchange 6 to 9 Widening Program; 7/11-8/12, $2.7B. Senior Inspector for Contract No. T869.120.102 (approximately $53M) NSO/SNO Roadways Grading, Drainage, Paving, Structures, & Lighting MP 48.7 TO 50.5, Townships of Springfield & Mansfield, Burlington County. This project was the first contract in a series to add 3 outer lanes to the NJ Turnpike from interchange 6 to 9. The contract included excavation, storm water management facilities, MSE retaining walls, culverts extensions, pipe jacking, construction barrier, guard rails asphalt roadway construction, striping, signage and a stream relocation. Responsibilities included submittal approvals/tracking, force account tracking, pay estimates, change orders, managing the inspectors, electronic reporting and the coordination of traffic controls, bridge demolition and construction, site clearing, excavation, drainage, precast culvert construction, precast parapet installation, MSE walls, structural concrete for substructures and superstructures, HPC bridge decks, asphalt paving, and electrical work. The project was constructed utilizing a combination of long term lane closures with construction barriers, temporary lane closures and lane shifting. Client: NJTA

New Jersey Turnpike Interchange 6 to 9 Widening Program; 1/10-6/11, $2.7B. Senior Inspector for Contract No. T869.120.202 (approximately $32.1M) for NSO/SNO Roadways Grading, Drainage, Paving, and Structures from MP 55.1 to 56.5 in the Townships of Bordentown and Chesterfield. This project involved the construction of two new outer roadways, each consisting of three 12-foot lanes and a 12-foot right shoulder as well as the reconstruction of the Bordentown Chesterfield Road (CR 528) and the Ward Avenue bridges over the Turnpike, five retaining walls,

two butterfly sign structures, one cantilever sign structure, four overhead VMS structures, drainage and three storm water management basins, ITS, and relocate transverse utilities. As Senior Inspector, Mr. Salahuddin was responsible for the on-site inspection of the contractor's means and methods for foundation excavation, steel piles, sub and superstructure reinforced concrete bridge items, drainage piping and structures, subgrade, subbase, DGABC, and bituminous paving in lifts. Client: NJTA

Route 287 Resurfacing from New Jersey Turnpike to Stelton Road, Edison, NJ; 4/08-1/10, $40M. Assistant Resident Engineer. This $40-million fast track project included 130,000 tons of Superpave HMA construction, 46,000 square feet of full depth concrete pavement repair, 155,000 pounds of slab stabilization with polyurethane grout, and extensive bridge repairs and state-of-the-art ITS components. This section is an extensively traveled corridor and facilitates both commuter cars and heavy truck traffic. Duties included inspection of the contractor's means and methods for the major items of work including: milling, reset heads, concrete curbs, surface preparation, HMA superpave items, and maintenance and protection and traffic, nightwork, repair and replacement of existing concrete lane pavement both full depth and partial depth repairs as well as stabilization measures at existing joints, followed by a 4" overlay over a 5.8-mile stretch of 3 and 4 lane interstate roadway both NB and SB. Duties also included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJDOT

Route 33, Section 9A in Monmouth County, NJ; 5/06-4/08, $18M. Lead Engineer. Provided construction management services for this important roadway project that included widening and reconstruction of Rte. 33, Rte. 35 and Rte. 71 with new geometric and pavement features. Duties included inspection of the contractor's means and methods for the major items of work including: milling, reset heads, concrete curbs, surface preparation, HMA superpave items, and maintenance and protection and traffic, nightwork, installation of new traffic signal, relocation of existing utilities and installation of new underground utilities including water, gas, electric & telephone; new storm water drainage system, asbestos abatement, landscaping and extensive MPT. The construction of new full-depth flexible pavement on clayey subgrade conditions with high water table required subgrade undercut and replacement with crushed stone wrapped in geotextile fabric for almost the entire project limits. Responsible for all phases of construction including constructability and design reviews, field supervision of all items of construction, payment processing, coordination of work with various agencies, QA/QC, review of shop drawings, CPM schedule, as-built reports and final estimates. Client: NJDOT

Rehabilitation of Park Avenue, Nelson Avenue, Bergen Avenue & Kearny Avenue Bridges, Hudson County, NJ; 10/05-04/06, $3M. Resident Engineer. Provided construction management services for the total rehabilitation of these structurally deficient bridges including floorbeams, girders,columns, abutments, full-depth deck repair, cast-in-place deck replacement; reviewed design calculations, shop drawings, and CPM schedule to ensure timely and cost effective completion of the project. It also included lead-based paint removal and application of new coating, asphalt paving, and extensive MPT for being in extremely busy areas. Coordinated work with various government agencies; ensured project's compliance with all the federal, state and local codes, including applicable safety and environmental regulations. In addition, investigated field conditions for any design changes and suggested design alternatives. Client: Hudson County

Reconstruction of Queens Boulevard & Honeywell Street Bridges, Queens County, NY; 1/01-3/02, $60M. Senior Engineer. This highly complex project entailed complete demolition and replacement of two structurally deficient bridges over one of the most heavily traveled RR tracks in New York City. In consultation with the Resident Engineer, Mr. Salahuddin was directly in-charge of day-to-day and over-all management and supervision of all phases of construction of these multiple-span steel bridges with composite deck slab, including QA/QC. Investigated field conditions to conduct constructability reviews and to solve construction problems. Supervised work assigned to different team members; reviewed construction quantities, processed payments and change orders. This project also involved lead and asbestos abatement, and extensive RR & vehicular traffic safety. All of this had to be accomplished on accelerated schedule. Due to pro-active management and planning approach, this project was completed ahead of schedule, saving the City of New York millions of dollars. Client: NYCDOT

Jeffrey Schramm, P.E.
Senior Construction Inspector

Professional Profile
Mr. Schramm is a senior inspector with the following experience.

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - John F. Kennedy International Airport, Queens, NY; 4/12-Present. Senior Construction Inspector. As part of this on-call construction management services project, Mr. Schramm is assigned to projects at JFK Airport. These projects include:

Proposed Project Assignment
Field Engineer – Civil/Structural Inspector

Registration/Certifications
2008/Professional Engineer/NY

Education
BS/1997/Civil Engineering

Course Work
2008 - 10-Hour OSHA Training Course, #36-003700831

Total Years Experience 17

- **Pavement Rehabilitation of Van Wyck Expressway North and South Service Roads, JFK-924.703.** His responsibilities include coordination of daily activities with Port Authority Operation and Contractor; working with Port Authority materials to ensure quality of work installed; preparation of Daily Narrative of work performed which is submitted to the Assistant Resident Engineer; preparation of Controlled Inspection reports; review of payments; review and approval of T&M tickets; keeping track of quantities installed for the project's classified items; and working with Port Authority Quality Assurance Division to inspect completed portions of the project and preparing a punch list.

- **Rehabilitation of Taxiways FA & FB, JFK-184.029.** His responsibilities include coordination of daily activities with Port Authority Operation and Contractor; working with Port Authority materials to ensure quality of work installed; preparation of Daily Narrative of work performed which is submitted to the Assistant Resident Engineer; preparation of Controlled Inspection reports; review of payments; review and approval of T&M tickets; keeping track of quantities installed for the project's classified items; and working with Port Authority Quality Assurance Division to inspect completed portions of the project and preparing a punch list.

- **Runway 4L-22R RSA Compliance/Runway Reconstruction, JFK-104.002.** Mr. Schramm is working with the project management and the design group in to work out staging, scheduling and general planning for the job.

- **Taxiway R Rehabilitation for the JFK Resident Engineer's Office, JFK-1029.** This project involved inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes; documenting and maintaining daily narratives on contract projects; reviewing plans, specifications and shop drawings, processing and reviewing contractor submittals, change orders and estimates; interacting with architects, engineers, contractors and Port Authority officials; and coordinating scheduled electrical shutdowns with Port Authority Electrical Shop and various departments. He was responsible for managing the daily field operation for this project. His responsibilities included coordination of daily activities with Port Authority Operation and Contractor; working with Port Authority materials to ensure quality of work installed; preparation of Daily Narrative of work performed which is submitted to the Assistant Resident Engineer; preparation of Controlled Inspection reports; review of payments; review and approval of T&M tickets; keeping track of quantities installed for the project's classified items; and working with Port Authority Quality Assurance Division to inspect completed portions of the project and preparing a punch list.

Client: Port Authority of NY & NJ

Jeffrey Schramm, P.E.
Senior Construction Inspector

Biological Nutrient Removal Plant Upgrades to the Wards Island Waste Water Treatment Plant, New York, NY; 6/07-4/12. Mr. Schramm managed a staff of field inspectors covering the WI-79G, 79E, 79H and 79P contracts totaling over $250 million in value. His responsibilities included review and approval of all inspector reports and contractor's time and material sheets; coordinating contractor's daily activities with DEP plant operations and inspection staff; review of contractor's payments; managing all change order work and unit price items; preparation of punchlist and close out documentation for all disciplines and contracts; working with engineer of record to resolve field issues and drafting RFCs for their review; working with various branches of DEP including Division of Design Services, Audits, Operations and Engineering; acting as structural field liaison for the construction of the Croton Water Treatment Plant Facility; representing the structural engineer of record onsite for the $1.2 billion CRO-312G DEP contract; review and approval of shop drawings and RFC/RFI's; assisting office staff with change order preparation, coordination of design changes and serving as point of contact for all field issues; working directly with construction management staff and contractor on a daily basis to prioritize submittals for review and expediting issues that required the design engineers input; and coordination and resolution of field issues concerning all disciplines of the project.

Interstate Industrial Corporation, Clifton, NJ; 3/06-6/07. Mr. Schramm served as project engineer for the $100-million concrete substructure and superstructure contract for the New Yankee Stadium and a $7-million site work contract for the west side expansion of Green Acres Mall located in Valley Stream, NY. He was responsible for reviewing drawings; providing sketches and working drawings to field personnel; creating daily reports for tracking and recording of quantities installed for budget and schedule use; composing and submitting RFIs to engineer of record; reviewing and approving subcontractor and material supplier's invoices; and attending weekly engineering, RFI and QA meetings with general contractor and engineer of record. Mr. Schramm served as point of contact for quality assurance program and non-conformance repair work.

JFK International Airport, Queens, NY; 11/02-3/06. Mr. Schramm worked as a consultant in the Resident Engineers Office at JFK airport. He managed a wide variety of jobs ranging from runway and taxiway rehabilitation to tenant terminal construction. Projects included the Relocation of Taxiway A West; Rehabilitation of Runway 13L/31R; JetBlue Hangar 81B; American Airlines Terminal 9; and an Emergency Repair Work Order Contract. He was responsible for review of payment applications; preparation and negotiation of change orders; and tracking unit price classified quantities. Mr. Schramm built upon his knowledge of civil engineering by managing jobs in other disciplines such as mechanical and electrical. He was involved in all disciplines of new terminal and hanger inspection and construction coordination; conducted building inspections with engineer of record, tenant representatives and Port Authority personnel for life safety systems, utilities, fire proofing, HVAC systems and structural components; he worked as liaison between contractors, tenants and facility operations; he had extensive knowledge of landside and airside airport operations along with a good understanding of Port Authority tenant construction procedures.

Atlantic City-Brigantine Connector, Atlantic City, NJ; 11/97-11/02. Mr. Schramm acted as a structural engineer on this $200-million design-build project responsible for the design and preparation of drawings.

Reconstruction of Route 3N, Boston, MA; 11/97-11/02. Mr. Schramm acted as a structural engineer on this design-build-operate-maintain contract including the reconstruction and complete redesign of 22 miles of highway. Specifically, he was responsible for final design and drawings of a 12-span, 1,400-ft-long prestressed concrete girder bridge and a six-span prestressed concrete girder. Work included complete geometry design, design of steel superstructure girders and elastomeric bearings. During the construction phase, he continued to be responsible for shop drawing coordination for all disciplines as well as making multiple field visits as part of on-call services to the contractor.

JUGAL SOOD, PE

Resident Engineer

Mr. Sood has over 30 years of experience in general and heavy Civil Construction projects including demolition of all sizes, remedial action planning, field monitoring and supervision. He has extensive experience in providing, mechanical, electrical, and civil/structural resident engineering and inspection support. Additionally, he has developed engineering plans, prepared job specifications, created and coordinated teams to meet project completion deadline and conducted field inspections for various code compliances.

Key Qualifications

- ✓ Licensed Professional Engineer
- ✓ Extensive New York Public Agency Experience

Education

- MS, Civil Engineering, Polytechnic Institute of Brooklyn
- BS, Civil Engineering, Indian Institute of Technology

Registrations

- Professional Engineer (NY)

Certifications

- Resident Engineer's Training
- Railroad Signal Specialist II
- Mechanical Inspector's Training
- Electrical Inspector's Training
- OSHA 30 hr. Site Safety Training
- New York City Site Safety Manager Training
- 40 Hr. OSHA HAZMAT Training

Software

- Primavera Expedition

Metropolitan Transportation Authority (MTA) New York City Transit (NYCT) – Various Projects – NY
Resident Engineer

Led a team of engineers in monitoring and direction of Lexington Ave. Rehabilitation Project, ($250 mil.). Scope included water remedy repairs, and out of face track replacement, structural repairs, tunnel rehabilitation, pump rooms, and various code compliance and fan plants.

Managed Tunnel Rehabilitation & Lighting Project ($15.2 mil.).

Responsible for daily construction activities, change order scope/estimate, field decisions and code compliance for the progress of the project. Supervised construction & rehabilitation of Electrical Distribution Rooms.

Managed and pursued project correspondence, design interface, labor occasions estimating, change orders scope/estimate, contractor oversight, audit participation & response, O&M manuals/test procedures, constructability review, and coordination with other departments/agencies/community boards & DOT permits.

Managed Civil/Structural Engineering work for Flushing Line Signal Rehabilitation Project.

Supervised building of various signal rooms, inspection of structural rehabilitation of various sunken steel columns and pile driving etc. Responsible for dealing with various departments and agencies regarding Environmental work.

Managed Civil/Structural Engineering work for Williamsburg Bridge. Managed daily construction activities and field decisions for the progress of the projects and various code compliances. Responsible for preparation of civil/structural engineering change orders.

Formulated and implemented policy, plans, developed scope of work and recommendations, reviewed proposals and supervised the professional staff involved in inspection and various code compliance of structural rehabilitation of 54th Ave. – Vernon Blvd. Fan Plant and Pump Room, Long Island City ($15.7 mil).

Managed daily construction activities of new underground structural steel building, various code compliance and field decisions for the progress of rehabilitation of Johnson St. Fan Plant, Brooklyn ($15.8mil) supervised construction of sewer, water main, property line boxes and underpinning of buildings.

AMTRAK – Various Projects – New York, NY
Resident Engineer

Responsible for the interface between Amtrak and the construction contractor, supervision of the inspection staff and coordination with other projects underway in the tunnels, ventilation and evacuation shafts. Majority of the work completed during weekend track outages.

Scope of the $30 million project included installation of 72,000 linear 6-inch diameter dry fire standpipe, associated valves and appurtenances, fire department connections and risers at portals and ventilation/evacuation shafts in the East River tunnels [Lines1, 2, 3 & 4] and the North River tunnels [Tracks 2 & 3](AMTRAK).

Responsibilities also included processing of contractor progress payments, change orders and contractor evaluation and development of the inspection, testing and maintenance program for the completed system.

New York City Department of Design & Construction (NYC DDC) – Various Projects – New York, NY
Resident Engineer

Responsible for the inspection, payment, change orders, New York City code compliance, supervision and control of the performance of work for reconstruction of the north and south side on 110th Street between 5th Ave. & Frederick Douglas Blvd., in the borough Manhattan – HWMP 185 (The City of New York Department of Design and Construction).

The project included new granite curb, concrete sidewalk, concrete doormat, concrete header, hexagonal asphalt block and granite block sidewalks, street lights & traffic signal work, garden planters, signage and tree planting & transplanting.

Team Leader / Civil Engineer

Responsible for the closing out of numerous construction and consultant engineering contracts under the Capital Budget Program. Coordinated engineers, consultants and various other city and state agencies, to expedite and execute Capital Improvement Contracts.

Supervised a team of five engineers to ensure the timely processing of all final costs / partial costs to construction contractors and engineering consultants for Capital Projects. Verified the construction contractor compliance with engineering plans and specifications.

New Jersey Turnpike Authority (NJTA) – Various Projects – NJ
Resident Engineer

Responsible for supervision of the inspection for signage and foundation footings from Exit 8 to Exit 16 on New Jersey Turnpike. The project included construction of the footings for the signs, installing of the electrical sign supports, new sign and repair of old signs.

Coordinated with the Project Managers, Assistant Vice President, and Engineering Audit Officer in connection with the closeout of the contracts in regards to the processing of final estimate/partial estimates of all capital improvement and maintenance contracts.

New York City Department of Transportation (NYCDOT) –Emergency Reconstruction Project– New York, NY
Resident Engineer

Responsible for supervising the Emergency Reconstruction of West Abutment and Wingwalls of Borden Avenue Bridge over Dutch Kills (BIN 2-24041-0), NYCDOT. The scope of work includes cofferdam, dewatering system, utility work, new footings, new abutments and wing walls.

Phenol Zamor
Electrical Inspector

Professional Profile
Mr. Zamor has many years of experience as an electrical inspector and in the field of design.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 10/13-Present. Electrical Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Zamor is responsible for inspection of electrical equipment installation in New York and New Jersey buildings; installation of adaptive signals at various locations on roadways; installation of fiber optic cable, devices and panels for CCTV cameras; routing of electrical conduit and installation of panel schedules; pulling conductors in conduit and performing insulation resistance tests; installation of temporary and permanent roadway lighting systems; installation of SCADA systems; and installation of aesthetic lighting systems. He also checks for compliance with the National Electric Code, specifications and other approved documents. Client: Port Authority of NY & NJ

Proposed Project Assignment
Field Engineer – Electrical Inspector

Education
MS/1993/Electrical Engineering
BS/1992/Electrical Engineering

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2010 - 10-Hour OSHA Training Course
2005 - 40-Hour OSHA Training Course
1986-1988 - Pre-Engineering/Computer Science, Medgar Evers College

Professional Affiliation
National Fire Protection Association

Total Years Experience 20

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 8/10-10/13. Electrical Inspector. This $149-million project involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Zamor was the senior inspector for the removal and replacement of roadway lighting, main cable necklace lighting and ranging radar detectors. He also monitored the schedule, wrote reports, reviewed contractor submittals, and assisted in cost estimates for all electrical issues on the project. Client: New York City Dept. of Transportation

Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY; 11/08-8/10. Electrical Inspector. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. There were massive concrete placements for concrete footings and piers during the construction of the substructure. Traffic on the bridge was maintained with five lanes open to traffic during the project. During the staged construction, work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Zamor's responsibilities included inspection of protective shield on or around switchgear equipment during demolition and construction; installation of all temporary and new electrical equipment such as transformers, lighting and power panels, variable message signs and variable speed limit signs; conduit and pullboxes placement; pulling and splicing of conductors; erection of temporary and permanent roadway luminaires; removal and reinstallation of Con Edison transformer and associated feeders; and removal of existing 5-kV feeders and installation of new 5-kV feeders. Client: Triborough Bridge and Tunnel Authority

Phenol Zamor
Electrical Inspector

Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY; 7/04-11/08. Electrical Inspector. This $150-million project involved the reconstruction of the suspended spans deck with an orthotropic steel deck. The project also involved the installation of new maintenance travelers, electrical and communications systems, fire protection system and inspection platforms. A temporary movable barrier was also being utilized to provide for efficient traffic flow during the eight reconstruction stages scheduled for this project. Mr. Zamor's responsibilities included inspection of electrical conduit placement, installation of conductors, field splicing of wires, placement of pull boxes, erection of roadway lighting fixtures, installation of tower flood lighting, and connections to power feed transformers from Con Edison. Client: Triborough Bridge and Tunnel Authority

Roosevelt Island Bridge over East River Channel, Queens, NY; 10/02-5/04. As an electrical inspector, Mr. Zamor's responsibilities included the preparation of plans, specifications and cost estimates for complete electrical control system rehabilitation of the bridge. Client: New York City Dept. of Transportation

Route 5 Bridge over Chickahominy River, Richmond, VA; 10/00-5/04. Mr. Zamor served as an electrical inspector on this project that involved the design and layout of incoming power cables, conduits and submarine cables with terminal boxes. Client: VTrans

Hamilton Avenue Bridge over the Gowanus Canal, Brooklyn, NY; 10/99-5/04. Electrical Inspector. This project involved the complete electrical control system rehabilitation of bridge including roadway lighting auxiliary equipment, cost estimates and specifications. Client: New York City Dept. of Transportation

Atlantic Beach Bascule Bridge, Lawrence, NY; 8/96-8/00. Electrical Inspector. This project involved the design and layout of conduit routing for bridge incoming power and auxiliary equipment, cost estimates and specifications. The project also involved staging construction phases, shop drawings review and construction support. Client: New York City Dept. of Transportation

Shore Road Bridge over Hutchinson River, Bronx, NY; 2/02-9/02. Electrical Inspector. This project involved the inspection of electrical equipment during construction. Client: New York City Dept. of Transportation

Carlton Vertical Lift Bridge, Bath, ME; 10/99-2/01. Electrical Inspector. This project involved the complete electrical rehabilitation of bridge including auxiliary estimates, specifications and construction support. Client: Maine Dept. of Transportation

Memorial Bridge, Portsmouth, NH; 11/99-3/01. Electrical Inspector. This project involved the design and installation of closed circuit television (CCTV) and specifications. Mr. Zamor provided shop drawings review and cost estimates. Client: New Hampshire Dept. of Transportation

Marine Parkway Lift Bridge, Brooklyn, NY; 10/96-6/04. Electrical Inspector. This project involved the design and layout of traffic control devices and roadway lighting. He also provided shop drawings review, construction support, design and layout of decorative lighting system. Client: Triborough Bridge and Tunnel Authority

Cedar Creek Bridge, Georgetown, DE; 7/95-7/96. Electrical Inspector. Mr. Zamor was responsible for the design and inspection of the electrical control for warning gates and traffic signals including cost estimates, specifications and shop drawings review. Client: Delaware Dept. of Transportation

East Washington Avenue Single Bascule Leaf Bridge, Bridgeport, CT; 9/95-8/99. Electrical Inspector. Mr. Zamor's responsibilities included the complete electrical control system design, construction cost estimates and specifications, including associated lighting and traffic auxiliaries. He also provided shop drawing review and construction supports. Client: Connecticut Dept. of Transportation

Route 36 Bridge over Shrewsbury River double Bascule Bridge, NJ; 3/94-6/94. Electrical Inspector. Mr. Zamor's responsibilities included the design and preparation of plans for conduit installation for bridge auxiliaries. Client: New Jersey Dept. of Transportation

McArdle Bridge, Boston, MA; 10/93-11/93. Electrical Inspector. This project involved the design special protective covering for flexible cables to movable spans. Client: Massachusetts Dept. of Transportation

US Route 136 Swing Bridge, Westport, CT; 6/94-9/94. As an electrical inspector, Mr. Zamor was responsible for shop drawing review and design modifications. Client: Connecticut Dept. of Transportation

RESUMES

INSPECTORS

Resumes are presented in alphabetical order

ASSIGNMENT

Electrical Engineer

EDUCATION

Polytechnic Institute of New York University, Master of Science in Electrical Engineering (Power Engineering), 2012-present
New York City College of Technology/CUNY, Bachelor of Technology Degree in Computer/Electrical Engineering, 2006-2008

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Adesanya has over five years of experience in electrical engineering and design to include CCTV design, construction, integration, Troubleshooting, Power electronics systems diagnostic/design, Fiber optical communication installation/repair, ITS construction/network integration, Rail road systems installation/maintenance, and Power system synchronization.

- **Electrical Engineer/Inspector, New York State Department of Transportation, ITS, D261233 Project, Throgs Neck Expressway, Bronx, NY -**
  - Monitor daily electrical construction work through observation and testing to verify the work complies with NYSDOT Contract Documents Plans and Specifications on state highways in NYC.
  - Troubleshooting equipment problems that range from communication failures involving fiber-optics to power/electric failures. Utilizing blue prints/repair manuals/testing for existing International Transportation Systems which includes CCTV video cameras, variable message signs, highway advisory radios, radar detectors, minihubs, shelters and master controllers throughout Manhattan, Bronx, and Queens Counties.
  - Complete daily inspections report in written and computer spreadsheet formats to document the quantity and item numbers for the components of work completed by the contractor and report to the EIC.
  - Review traffic protection procedures; Maintain daily records of the numbers and classification of workers employed by the Contractors using the Authority's Site Manager System and Prepare daily reports of all construction and engineering field work using the Authority's Site Manager system. (12/13 – Present)

- **Electrical Engineer/Inspector, New York State Department of Transportation, D261780 Project -**
  - Monitor daily electrical construction work through observation and testing to verify the work complies with NYSDOT Contract Documents Plans and Specifications on state highways in NYC.
  - Troubleshooting equipment problems that range from communication failures involving fiber-optics to power/electric failures. Utilizing blue prints/repair manuals/testing for existing International Transportation Systems which includes CCTV video cameras, variable message signs, highway advisory radios, radar detectors, minihubs, shelters and master controllers throughout Manhattan, Bronx, and Queens Counties.

- Complete daily inspections report in written and computer spreadsheet formats to document the quantity and item numbers for the components of work completed by the contractor and report to the EIC.
- Review traffic protection procedures; Maintain daily records of the numbers and classification of workers employed by the Contractors using the Authority's Site Manager System and Prepare daily reports of all construction and engineering field work using the Authority's Site Manager system. (03/12 – 12/13)

- **Electrical Engineer/Inspector, New York State Department of Transportation ITS, D261223 Project, Throgs Neck Expressway, Bronx, NY**
  - Monitor daily electrical construction work through observation and testing to verify the work complies with NYSDOT Contract Documents Plans and Specifications on state highways in NYC.
  - Troubleshooting equipment problems that range from communication failures involving fiber-optics to power/electric failures. Utilizing blue prints/repair manuals/testing for existing International Transportation Systems which includes CCTV video cameras, variable message signs, highway advisory radios, radar detectors, minihubs, shelters and master controllers throughout Manhattan, Bronx, and Queens Counties.
  - Complete daily inspections report in written and computer spreadsheet formats to document the quantity and item numbers for the components of work completed by the contractor and report to the EIC.
  - Review traffic protection procedures; Maintain daily records of the numbers and classification of workers employed by the Contractors using the Authority's Site Manager System and Prepare daily reports of all construction and engineering field work using the Authority's Site Manager system. (03/10 – 03/12)

- **Electromechanical System Lab Technician, New York City College of Technology, Brooklyn, NY -**
  - Render technical support to the electromechanical students and responsible for analyzing and creating a detailed report for the Lab maintenance.
  - Making repairs on motors, relays and control, gears, solenoids, starter, rollers, master controllers, switches and routers in the Lab.
  - Responsible for circuitry simulations, interface with software and troubleshooting electromechanical systems. (06/2007)

- **Networking Support, New York City Transit Authority, ENY Maintenance Shop, Brooklyn, NY -**
  - Performing preventive, remedial maintenance and inspections on rail cars and network equipment.
  - Performing analytical and technical reports and preparing specifications for the networks and field operation.
  - Developing, planning and assisting in engineering design and networks in the shop.
  - Developing blueprints, wiring diagram, schematics with contract drawing, writing technical specifications and running diagnostic operating test (DOT) on R143, R160 rail cars. (01/2009 – 03/2010)

Peter Alley
Assistant Resident Engineer

Professional Profile
Mr. Alley possesses nearly 30 years of experience in the construction management field. He has been involved in all aspects of project management including bid to completion, estimating, field engineering and quality control, implementing and maintaining safety throughout the work site, direct supervision of work forces, coordinating subcontractors, project scheduling, onsite record management, and contact with owner representatives.

Proposed Project Assignment
Civil/Structural Inspector

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness

Total Years Experience 29

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 7/13-Present. Assistant Resident Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Alley is responsible for facilitating solutions to many of the technical issues associated with the contractor's means and methods developed to build precast pier elements and roadway segment sections. He played a major role early in the project in partnering with the contractor and designer to establish a working group whose sole purpose was to work collaboratively to solve several challenges discovered during shop drawing development and contractor-initiated optimization plans. This group was very successful in working through these challenges and developing workable and buildable details necessary to precast pier elements and roadway segments. Client: Port Authority of NY & NJ

14th Street Viaduct Replacement, Hudson County, NY; 6/11-7/13. On-Site Construction Manager. This was a $48-million bridge replacement project in an urban area featuring an elaborate temporary structure to support half of the existing bridge during staged construction, pile foundations, cast-in-place concrete with extensive architectural features and a steel superstructure with long continuous spans. Client: Hudson County

Route 36 Highlands Bridge, NJ; 2008-2010. On-Site Construction Manager. This $125-million segmental bridge project featured the staged construction of two, 1,300-ft-long precast segmental box girder structures across the Shrewsbury River. Balanced cantilever construction was used, and the piers were constructed using post-tensioned precast concrete box sections. Other features included 54-in. diameter concrete piles, floating cofferdams, phased demolition of the existing bascule bridge and other ancillary road and bridge items. This schedule-critical project was successfully completed on time. Mr. Alley's responsibilities included the daily coordination of all work activities and the responsibility for overall project quality control, safety and field engineering to ensure the schedule was met. Client: New Jersey Dept. of Transportation

Dover Rail Yard Pedestal Pit, NJ; 12/06-8/08. On-Site Construction Manager. This $7-million project involved the installation of a 950-ft-long precast concrete maintenance pit and associated utilities in an active electrified rail yard. Client: New Jersey Transit

Other major projects he has been involved with include:

Route 1 & 9, Magnolia Avenue Bridge Replacement, NJ; 2006-2007. This $6-million road and structure project featured a bridge replacement and three retaining walls. Client: New Jersey Dept. of Transportation

Route 78 Section 5CD, Newark NJ; 2005-2007. This was a $13-million road reconstruction and retaining wall project. Client: New Jersey Dept. of Transportation

Peter Alley
Assistant Resident Engineer

Route 46, VanHouten Avenue Interchange, NJ; 2005-2008. This $16-million road and structure project featured a bridge replacement and four retaining walls. Client: New Jersey Dept. of Transportation

Replacement of the Mantoloking Bridge, NJ; 12/03-5/06. This $21-million project featured the construction of a 1,000-ft-long bridge with a double bascule span over the Barnegat Bay. Client: Ocean County

Bay Head Rail Yard Improvements, NJ; 10/03-4/06. This $11-million project featured a 950-ft-long maintenance pit and the associated utility upgrades. Client: New Jersey Transit

Route 21, Contract TSM6 #1, Newark NJ; 4/02-6/05. This $42-million road and structure project featured a roll-in replacement of a NJT railroad bridge, multiple retaining walls with architectural treatments, a sewer screening facility, complete utility replacements, and road reconstruction. Client: New Jersey Dept. of Transportation

Expressrail Project in Port Elizabeth, NJ; 2001-2003. This $20-million road and rail project featured a depressed roadway structure and a railroad bridge. Client: Port Authority of NY & NJ

Route 9, Section 15D, NJ; 2001-2003. This $12-million project involved a bridge with large diameter concrete cylinder piles. Client: New Jersey Dept. of Transportation

Montclair Connection, NJ; 1999-2002. This involved multiple contracts totaling $30 million involving construction of the connection between the Montclair Line and the Boonton Line. Work included the electrification of a portion of the Boonton Line, a new station, and an electrified rail yard. Client: New Jersey Transit

Route 21 & Route 46, Sections 6K & 14P, NJ; 7/97-10/00. This $32-million project involved the construction of a new interchange. Key features included asphalt paving, 42-in. diameter water line, drilled shafts, large cofferdams, multiple retaining walls, sound walls and steel superstructure bridge, all with architectural treatment. Client: New Jersey Dept. of Transportation

Route 517, NJ; 8/95-11/96. This project involved the "roll-in" of a railroad bridge. Client: New Jersey Dept. of Transportation

Route 287, NJ; 7/92-10/93. This project involved various subcontracts totaling $16 million. Mr. Alley managed this accelerated concrete paving project that allowed for the opening of Rt. 287 eight months ahead of schedule. Client: New Jersey Dept. of Transportation

Route 287, Section 20J, NJ; 4/90-7/93. This was a $20-million new highway and bridge project. Client: New Jersey Dept. of Transportation

Other projects Mr. Alley was involved on include:

Widening of Exit 7, NJTA
Median Barrier between Exits 2 and 3, NJTA
Reconstruction of Washington Street, NJDOT
Route 206 Bypass, NJDOT
Various Municipal Projects

Hill and Dale Construction Co., L.L.C, Oldwick, NJ; 7/94-8/95. As owner/manager, Mr. Alley was a contractor that performed road and site construction. Major projects included a 900-ft road extension in Tewksbury Township as well as other residential site and septic projects.

Cipico Construction Inc.; 2/85-3/86. Superintendent/Field Engineer
Engineering Associates of New York; 7/84-2/85.Construction Inspector

Alyson Aulet-Valentine
Civil Structural Inspector

Professional Profile
Ms. Aulet-Valentine is a civil structural inspector with 16 years of experience working on many New York State and City projects.

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - George Washington Bridge, Fort Lee, NJ; 11/11-Present. As a civil structural inspector, Ms. Aulet-Valentine is involved with the inspection of the joint replacement of the upper level deck. The project also involves the replacement of orthotropic deck, scupper and pipe run replacement, expansion finger joint repairs, main/secondary floorbeam repairs, stringer and stringer bearing repairs, deck rib connections, barrier repairs, paving, and coordination of maintenance of traffic. Client: Port Authority of NY & NJ

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2011/NICET IV
2012/ICC Structural Steel and Bolting Special Inspector
2011/ACI Concrete Field Testing Technician Grade 1

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2013 - PA NDA Training
2010 - 10-Hour OSHA Training Course
2010 - CMAA Cost Management
2010 - CMAA Contract Administration
2010 - CMAA Project Management
2009 - CMAA Professional Practice
2009 - CMAA Construction Safety Management

Total Years Experience 17

Replacement of Willis Avenue Bridge over the Harlem River, New York and Bronx, NY; 8/08-11/11. Ms. Aulet-Valentine served as senior inspector on this $636-million project. The project involved new and temporary bridges, approaches and ramps; 27 piers which included timber and steel piles; sheet piles; tiebacks and tie rods; whalers; temporary and permanent caissons installation; rebar for structures; girders and box beams installation; temporary and new pedestals; pier caps and abutments; precast and cast in place barrier curb; asphaltic pavements; concrete sidewalks and pavements utilizing many improved mix designs; excavation and backfilling; testing of materials; cofferdams; drainage structures such as manholes, catch basins, underdrain .122m to ' 1.50m; existing drainage video inspections; concrete pipe .305m to 0.457m; water mains; hydrants; bridge drainage systems; installation of chain link fence for structures; guide rail installation; maintenance and protection of traffic (MPT); environmental inspection; safety inspections; office work and many other job related duties. Client: New York City Dept. of Transportation/New York State Dept. of Transportation

Repair of the Tappan Zee Bridge, TANY 05-31B, NY; 5/08-9/08. Ms. Aulet-Valentine served as a senior inspector on this $148-million project. The project involved superstructure replacement of lanes 1, 2, 6, and 7 from span 1 to span 178; replacement of structural pavements onto existing piers; saw cutting and grouting of longitudinal and transverse joints; grouting of floor beams; testing of grout; rivet replacement with high strength bolts; MPT; and other miscellaneous work. Client: New York State Thruway Authority

Water Tunnel Project, New York, NY; 12/07-8/08. Ms. Aulet-Valentine served as a senior inspector on this $280-million project that involved installation of 48-in. riser pipes; air testing and torque of bolts around riser pipes; construction of new shafts; distribution and riser chambers; placement of various types of concrete and assisted in testing of materials; installation of false work; elevator; and access shafts rebar and ensured site safety as per "OSHA regulations. Client: New York City Dept. of Environmental Protection

Resurfacing of New York State Thruway (I-87), MP 16.2-29.4, NY; 2005-2007. Ms. Aulet-Valentine served as a senior inspector for cold milling of asphalt pavement, new asphalt concrete pavement; full depth pavement repairs; re-establishing ditches; structures; bridge deck repairs (13 bridges); bridge joint repairs; concrete noise barrier repairs; traffic signal installation; replacement of inductance loops, axle sensors, and temperature sensors; installations of stars; pavement striping; and removal and installation of drainage structures, pipe, guide rail, and sign structures. Client: New York State Thruway Authority

Alyson Aulet-Valentine
Civil Structural Inspector

Various Milling and Paving Projects, Routes 303, 304, 6, 59, 17 and 45, Various Locations, NY; 2005. Ms. Aulet-Valentine served as a senior inspector for milling and paving of bituminous concrete, joint sealing and inductance loop replacement, axle sensors and MPT. Client: New York State Dept. of Transportation

Resurfacing of New York State Thruway (I-87), MP 17.9 – 22.9, Various Locations, NY; 2004-2005. Ms. Aulet-Valentine served as senior inspector for the installation of pavement edge under drain and outlets into existing drainage systems. The project also involved milling of existing roadway and placing new hot asphalt mixes on mainline, partial; depth patch repairs; tack coats; temporary and new pavement markings; sawing and sealing of joints; installation of loop detectors; and MPT. Client: New York State Thruway Authority

Reconstruction of Median and Resurfacing of I-95, Darien and Norwalk, CT; 2002-2004. NICET II. This project involved the installation of new conduit, hand holes, control cabinets, conductor cables and temporary lighting, removal and placement of bridge seats, partial depth patches, bridge decks and median barrier, drilling and grouting of anchor bolts, installation of H-beams, painting and paint removal, lead health protection, deformed steel bars and false work. The project also involved pre-cast structure barrier, barrier caps, full depth repair, lighting foundations, sign foundations, saw cut, sawing and sealing joints; milling of existing roadway, placement of new and temporary hot mix asphalt, tack coat on mainline and pavement markings earth excavation, sub-base, sub-grade, topsoil and granular fill; installation and removal of catch basins, manholes, 12 in. – 48 in. RCP and ACCMP pipe, excavation, sedimentation control systems and relining of existing damage ACCMP pipes; and maintenance and protection of traffic, management of controlled material, office work, cost-plus, RWIS system, fire suppression systems, fence installation and guide rail systems. Client: Connecticut Dept. of Transportation,

Brooklyn Queens Expressway, 25th Street to Broadway, Queens, NY; 2000-2002. NICET II. This project involved the removal and placement of bridge decks, abutments, railroad bridge and core drilling. The project also involved installation of timber and H-piles, H & I beams, tiebacks, gress walls, deformed steel bars, torque of bolts and false work; milling of roadway and placement of temporary hot asphalt; and removal and installation of temporary and new electrical conduit, junction boxes, controller cabinets, under bridge lighting, messenger cable, traffic poles (timber and steel) and light poles. Client: New York State Dept. of Transportation

Reconstruction of the Westside Highway, Segment No. 7 Route 9A, New York, NY; 1997-2000. NICET II. This project involved the excavation and installation of manholes, catch basins, pipe connections and lateral chutes fire hydrants and median under drain. The project involved installation of telephone manholes, PVC duct and pre-cast concrete for utility companies, new and temporary traffic signals and posts, new and temporary, three phase lighting, control boxes traffic cameras, ITS and junction boxes; construction of (PCC) European roadway, including joint systems, hinge joints, contraction and expansion joints; and installation of support piles for drainage basins and H-piles for elevated roadway and torque bolts, replacement of bridge deck, deformed steel bars and placement of underwater piles for piers. Client: New York State Dept. of Transportation

LPE

Balachanthiran Balakrishnan [Bala]

Professional Profile

Balachanthiran Balakrishnan is an electrical inspector with diversified experience in the electrical, mechanical, civil and architectural fields. He possesses the following experience.

Project Experience

Electrical Inspector / Project Engineer, JFKIA ***2005 – Present***

Port Authority On-Call Construction Management Services

Responsibilities include inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes; documenting and maintaining daily narratives on contract projects; reviewing plans, specifications and shop drawings, processing and reviewing contractor submittals, change orders and estimates; interacting with architects, engineers, contractors and Port Authority officials; and coordinating scheduled electrical shutdowns with Port Authority Electrical Shop and various departments. Projects he was involved are listed below:

John F. Kennedy International Airport, Queens, NY ***2007– Present***

- JFK- Airport Checkpoint Digital CCTV ACDTV Phase II Terminal 1,2,7,8 And System Integration.
- JFK- Upgrade Delta Barrier Control Panels and Traffic Control Improvements (Guard. Post G, J, O,S,V,W and 106).
- JFK- Unmanned AOA Gates Hardening- Phase 1
- JFK- Wide Narrowbanding of VHF and UHF Radio System
- JFK - Taxiway P Rehabilitation
- JFK-PIDS- Perimeter Intrusion Detection System
- JFK- Delta-Rehabilitation T/W A and B
- JFK -Green Garage
- JFK- 800 MHZ Phase 1; 2 and 3
- Runway 13R/31L Reconstruction and Access Improvement
- Rehabilitation of Cargo Service Road.
- Rehabilitation of South Cargo Service Road.
- Rehabilitation Taxiway E; Y; and YA.
- Underground Storage Tank Abandonments, Removals and Repairs at Various Locations.
- Building 14 Chillers and Heater Replacement

Jamaica Station Queens, NY ***2005– 2007***

- Air Train Jamaica Station
- Van Wyck Expway BEAUTIFICATION PROGRAM - Jamaica Station Parking lot
- Van Wyck Expway BEAUTIFICATION PROGRAM-SUTPHIN BLVD RELIFING
- Van Wyck Expway BEAUTIFICATION PROGRAM **Street** Signs; Piano Keys, Jazz Names and Information Kiosks.

Electrical Inspector / Field Engineer, Water Treatment Plant, Washington DC
DC WASA (Consultant) ***2003 – 2004***

- Supervised field installations, maintenance of electrical process Instruments and Controls as well as Mechanical equipments.
- Performs inspections of all electrical work in progress on a continual basis and completes final checkout of electrical installations to ensure quality and conformance to specifications and codes prior to turnover to client for startup
- Monitored the time scheduled equipments to NEC codes, NEMA standard and specification.
- Handled Planning, coordinating, periodic maintenance and troubleshooting.
- Programmed power panel distribution and luminaries' schedules.

LPE

- Responsible for on-site Cable & Raceway design databases and associated interface with electrical installations and tests
- Assists the technical coordination activities of the lock-out and tag-out program
- Calculated the sizing of UPS systems, emergency generators and co-generator plants

Assistant Manager, Armond, Washington, DC *2001 – 2003*

- Maintained filing system for work in progress and completed jobs.
- Monitored overall profitability, accurately projecting production costs and product pricing.
- Compiled all employee hours and forwarded to payroll department via e-mail.
- Handled all incoming calls.

Electrical Testing Engineer, Dynamic Technical Service *2000 - 2001*

- Perform testing, commissioning, provisioning, switching and trouble-shooting fiber optic Network Elements. This includes DS0, DS1, DS3, OC48, OC192 and LH OPTera.
- Worked with Systems configuration, this includes Linear, Non-Linear and Ring systems.
- Computed the expert analysis of network data associated test results and optimized the network performance.
- Resolve technical issues by interfacing with multiple levels of technical support within the customer company.
- Re-Engineered the projects on "traffic bearing" Networks (Live Systems).
- Supervised between eight to fifteen contractors in the field.
- Testing the equipments such as TTC307 DS3 Test Set, DWDM test, ProComm Plus Optical Power Meter, Back Reflection Meter, RF Power Meter, Site Master, T-Bird Carrier Analyzers, Optical Microscope, Fluke DMM, Visual Fault Locator, ProComm Plus, T-BERD T3/DS3 Analyzer

RF Testing Engineer , Motorola, Malaysia *1992 – 1995*

- Performed the testing, calibration, and preventive maintenance of RF Sift testers.
- Handled the Preventive Maintenance of Burnout box and the RF Test fixtures.
- Tested equipments such as Network Analyzer (HP), Spectrum Analyzer (HP), power meter, power sensor and 20-dB attenuator, Filters- low pass and high pass, Signal Generator (HP), Coupler- Bi-directional and T -type, Amplifier 40dB, and Laser trim use to trim the resistor chip.
- Built 50 ohms RF cables. N-type, SMA-type and BNC-type.
- Built 1GHZ RF tester, built 2GHZ RF tester, Built Two tone RF tester, and Built RF Sift tester.
- Built Universal work holder use for the stability of RF tester, Upgrade from sift tester to 2GHZ tester.

EDUCATION

- M.Sc. in Management Information System Security, Colorado Technical University *2004 - 2005*
- B.Sc. in Electrical Engineering, West Virginia University Institute of Tech *1997 - 1999*
- Dip in Electrical Engineering Institute Technology Negeri,, Malaysia *1989 - 1992*
- Nortel Sonet O & M MCI Worldcom, Career Enhancement University, TX *2000 - 2000*

COMPUTER SKILLS

Windows XP, Window Vista; Windows 2000; Microsoft Office; Mat Lab

COURSE WORK

2011 - 24-Hour FAA Training-
2007 - 10-Hour OSHA Training Course

Lynnette Baptiste
Construction Inspector

Professional Profile
Ms. Baptiste is a construction inspector who has attended and completed the JUMP Program for construction inspection. She gained experience by training on the job site.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2007/ACI Concrete Field Testing Technician Grade 1
2012/Rutgers Traffic Control Coordinator Designation
2008/NICET II

Course Work
2013 - 30-Hour OSHA Construction Safety & Health Course, #12-601111736
2012 - Construction Management Course Completion
2008 - 1-Hour Lead Awareness Training
2007 – 10-Hour OSHA Training Course, #001186185

Total Years Experience 9

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 5/10-Present. Construction Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Ms. Baptiste's responsibilities include surveying, excavation for new foundations, micro-pile installation, removal of protective shield system, and installation of temporary work platforms and shields. She will also be involved with structural steel and concrete inspection. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, Brooklyn, NY; 8/05-5/10. Construction Inspector. This $138-million project involved construction engineering and inspection for the widening, redecking and repainting of this viaduct with complex Maintenance and Protection of Traffic (MPT) on and below this heavily traveled structure. Rehabilitation of this high-volume major interstate urban highway/bridge included replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. Also included was extensive coordination with agencies and local communities. Ms. Baptiste attended and completed school (JUMP) for construction inspection. She trained on job site for construction inspection. She assisted with office documentation of construction activities. Other responsibilities included inspecting demolition of structural concrete (deck, backwall and concrete placement); inspecting the installation of deck formwork and removal, concrete placement curing, Stage 1B, Stage IIA/IIB, IVA/IVB and VA; shear studs connectors for bridges installation at various stages; temporary deck stabilizer assembly installation and removal Stage IB; single slope half-section concrete fascia barriers; formwork installation, concrete placement; formwork removal and curing; rehabilitation of abutment – Stage IIA/IIB and assisted with others; and single slope full section concrete median barrier installation, concrete placement plus curing/final stage. Client: New York State Dept. of Transportation

EMAD BEBAWY

Inspector

Key Qualifications
- ✓ Over 20 Years of Experience
- ✓ Extensive Tunneling Experience

Education
- BS, Architectural Engineering, Cairo University of Engineering

Certifications
- American Concrete Institute (ACI) – Level I
- OSHA 30 Hour Certificate
- OSHA 10 Hour Certificate

Training
- MNRR Railway Safety Training
- Hazardous Waste Operations Training (HAZWOPER)
- Confined Space Training

Mr. Bebawy is an experienced professional with over 20 years of experience in construction management. He has held various positions to include, Construction Inspector, Office Engineer, and Resident Engineer. Responsibilities have included: inspection of infrastructure and facilities, construction supervision, quality control and quality assurance, and critical path method scheduling. He has extensive experience with concrete, earthwork, reinforced steel, asphalt, masonry, fireproofing, soil and foundation inspection, record keeping, concrete inspection, quantity calculation measurements, preparing daily and weekly reports for management and clients, attending project management meetings, overseeing contract preparation, supervising and assigning field inspection work, preparing submittals and correspondence files, and participating in field reviews.

New Jersey Transit (NJT) – Bloomfield Station Improvements – Bloomfield, NJ
Senior Construction Inspector

He served as an inspector performing controlled inspections that included soil, reinforced steel, concrete and fireproofing. The station averages approximately 2,700 weekday trips and is a major transfer point to and from several NJ Transit bus lines that serve communities north and west of the station.

New York City Department of Environmental Protection (NYCDEP) – Avenue V Pumping Station – Brooklyn, NY
Tunneling and Construction Inspector

He provided field inspection and quality control and quality assurance support on a $120 million pumping station facility upgrade project. Construction phase items included: excavation of multiple shafts and pits, pile sheeting, bracing, concrete and rebar inspection, micro-tunneling (drilling and jacking), placement of various pipes utilizing open-cut systems, running air and leakage tests, backfill, soil compaction, and roadway restoration to include base concrete and asphalt finishing.

New York City Department of Environmental Protection (NYCDEP) – City Water Tunnel No. 3 – New York, NY
Tunneling and Construction Inspector

As Tunneling and Construction Inspector he provided field inspection and quality control and quality assurance support on a $70 million, 9-mile tunnel project. The project consists of a 9-mile, 12'4" diameter, 550 feet deep tunnel and the construction of 9 shafts and distribution chambers. The scope of work includes tunnel excavation, raised bore excavation of the shafts, drill and blast excavation, mucking, grout freezing, grouting, reinforced concrete, concrete lining, installation of pipes and water pumps, leakage testing, and backfill.

New York City Department of Environmental Protection (NYCDEP) – Renovations and Upgrades of Kensico, Bogbrook, and Muscoot Damns – Bedford, NY
Tunneling and Construction Inspector

Inspection work included road restoration, maintaining and replacing mechanical water valves and gates, and inspection of masonry work.

Merck Pharmaceuticals – Facilities Improvement – Rahway, NJ
Senior Construction Inspector

Performed inspection of soils, foundations, reinforced steel, concrete, masonry, fireproofing, and asphalt work.

Kenneth Boykin
Inspector

Professional Profile
Mr. Boykin has 29 years of inspection experience, which includes construction inspection with a background emphasizing bridge construction and reconstruction projects. He has been responsible for providing inspection for the reinforcement of steel placement and concrete placement, as well as finishing and post-tensioning of the superstructure, pile/drilled shafts, seals, footing, pier columns, beam setting, deck formwork and concrete placement.

Proposed Project Assignment
Structural Inspector

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness

Total Years Experience 44

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP)
Construction Management; NY/NJ; 10/13-Present. Structural Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Boykin is responsible for establishing a quality assurance inspection program for the installation of precast roadway segments. The segments will be installed using conventional crane and launching gantries by the balanced cantilever method. This method requires that discrete steps be followed when installing segments, pulling tendons, post tensioning and grouting operations. Once into superstructure construction, Mr. Boykin will be responsible for ensuring that the contractor conforms to approved means and methods, applicable standards and the specifications when installing the precast segments. Client: Port Authority of NY & NJ

South Park Bridge Replacement, Seattle, WA; 1/12–9/13. Bridge Inspector. This draw bridge replacement required the construction of the operating tower piers as well as installation of the draw leaves and operating equipment. The foundations for the operating towers were cast-in-place caissons that were sunk to plan elevation by dredging the inside of the caisson. Mr. Boykin was responsible for the placement of formwork, installation of reinforcing steel, placement of concrete and interior finishes of the equipment, and personnel areas of the towers. He also set the structural steel beams, tightness of the mounting bolts, as well as the placement of the bridge deck. Mr. Boykin's responsibilities also included creation of daily inspector's reports, keeping track of and recording material quantities, meeting the requirements of the environment permits, working in partnership with the contractor and the owner; and demolition of the existing bridge.

Route 36 Bridge, Highlands, Monmouth County, NJ. Senior Structures Inspector. Mr. Boykin was responsible for creating stressing, grouting, and segmental erection site source records and record forms. His responsibilities also included erection of precast segments and grouting and stressing of cantilever as well as continuity and transverse tendons; communication with the contractor's erection and stressing representative as well as the erection engineer and workers; and training the NJDOT. Client: New Jersey Dept. of Transportation

Modification of CSXT Bridge 193 at Mile Post L653.44 (AKA - CSXT Mobile River Bridge Replacement), Hurricane, AL; 11/10–12/11. Senior Bridge Inspector. This project required the construction of two drilled shaft supported footings to support the 135-ft-high lift towers (two towers on each footing), each footing contained over 1,300 cu yds of concrete. All work was performed over the Mobile River with the use of tug boats and barges. The new truss was constructed on temporary steel bents in the Mobile River. When the new truss was complete, it was floated down river on two barges where the existing span was floated out on barges as the new span was floated into position. This work was completed within 30 hours to maintain the train schedules. The bridge was operational in 72 hours to restore river traffic. Mr. Boykin was responsible for overseeing the construction of the drilled shafts; installation of the reinforcing steel in the drilled shafts and footings; Skidmore testing; documentation of the 1-in. A325 bolts for snug tight and which required "turn of the nut tensioning"; checking the fit of the milled to bear surfaces of the upper chord truss members; and assuring adherence to the truss erection plan.

Alico Road 11-75 Interchange, Lee County, FL; 2005–2007. Associate Project Administrator. Mr. Boykin began this project as a senior bridge inspector. This reconstruction project consisted of the replacement of the I-75 overpass over Alico Road, new on and off ramps, drainage improvements, signals, lighting and landscaping along a mile of

very heavily-traveled Alico Road. Mr. Boykin was responsible for managing all field inspectors and conducting monthly CEI safety meetings; troubleshooting a variety of field issues; verifying the contractor's quality control process; processing supplemental agreements, field supplemental agreements; and conducting weekly contractor progress meeting and monthly dispute resolution board meetings. Client: Florida Dept. of Transportation, Dist. 1

Ringling Causeway Bridge, Sarasota, FL; 2003–2004. Inspector. This project consisted of construction engineering and inspection services for the erection of this major design-build segmental bridge replacement project for the existing two-lane bridge. The CEI team and design-build team utilized the newly-implemented QC 2000 specifications, making this a pilot project for future FDOT construction projects. Mr. Boykin's responsibilities included inspection of segmental erection, post-tensioning, grout placement, material sampling and testing, and contract administration. Mr. Boykin oversaw the completion of the final estimate.

Hurricane Relief, Polk County, FL. Inspector. Polk County was devastated by three hurricanes that crossed the county from three different directions within one month. In this five-month assessment project, Mr. Boykin played dual roles as team leader and hurricane relief inspector trainer. His objective was to identify legible debris and oversee the removal of that debris within the guidelines set forth by FEMA.

State Road 291 (Davis Highway), Carpenter's Creek Bridge, Pensacola, FL; 2001–2003. Project Administrator/ Senior Bridge Inspector. This $3.2-million project consisted of replacement of existing box culvert with a single-span bridge structure, including construction of a temporary Acrow bridge to detour traffic during construction; reconstruction of Davis Highway 1,000 ft on either side of the bridge; clearing and dredging Carpenter Creek; and installation of shore and bank rip-rap. Mr. Boykin was responsible for construction engineering, supervising inspection, material sampling and testing, contract administration, and conducting weekly contractor progress meetings.

SR 10A (US 90) Escambia River Bridge, Pace, FL; 2001–2004. Senior Bridge Inspector. This project involved the total replacement of the existing eastbound bridge over the Escambia River, the replacement of the river crossing spans, and widening of the westbound structure. This project ran concurrent to the State Road 291 (Davis Highway). Mr. Boykin was responsible for supervising six project inspection field personnel; material testing; record keeping of all aspects of construction of the new structures; and the demolition of the existing structures. Mr. Boykin also participated in the completion of the final estimate.

Bayou Taxes Bridge, Pensacola, FL; 1998–2001. Senior Inspector. This project involved the replacement of the existing two-lane structure and the reconstruction of Cervantes Street to accommodate the increased height of the new structure including drainage improvements. Because this busy city thoroughfare could not be closed at anytime, it was necessary to remove and replace one half of the structure while maintaining normal traffic on the remaining half and the detour structure during construction. Mr. Boykin was responsible for all bridge and roadway inspection. His duties included oversight of a four-man inspection crew, inspection of Acrow Bridge installation, pile driving, substructure and superstructure, as well as urban roadway inspection. He was also responsible for overseeing all field documentation of inspection activities and completion of the final estimate.

Fuller Warren Bridge, Jacksonville, FL; 1996–1998. Inspector. This project involved the construction of a new high-level structure to replace the existing narrow lift span bridge. This included the realignment of I-95 through downtown Jacksonville. Mr. Boykin was assigned to the installation of drill shaft substructure. His duties included the inspection and record keeping of all aspects of 36-in, 48-in. and 73-in. drilled shaft foundations and pier footings including concrete placement. Mr. Boykin trained other inspectors in drill shaft inspection and oversaw the setting of the ASHTO beams, installation of concrete sheet-pile seawalls.

Buckman Bridge, Jacksonville, FL; 1994–1996. Inspector. This project consisted of the widening from two lanes to four lanes of both spans of a three-mile, twin-span bridge crossing the St. John River. More than 1,500 prestressed concrete piles and 8-in. cast-in-place concrete decks were included in the project, as well as bridge and navigational lighting of a new fender system, and approach roadways to accommodate the new traffic lanes, drainage pipe and structures, embankment asphalt paving, signage, pavement markings, and repairs to existing bridge substructures. Mr. Boykin's responsibilities included setting concrete beam; installation and bolting of steel beams; and installation of reinforcing steel, superstructure formwork and concrete placement and curing, and recordkeeping. During this period, Mr. Boykin co-authored the Inspector Guidelines for Bridge Inspection with Mr. Steve Plotkin.

LPE

Alonzo R. Bryson

PROFESSIONAL EXPERIENCE

Project Inspector, Resident Engineer's Office, Stewart Airport, NY *06/ 2010 - Present*
LPE Enterprises / Port Authority of NY/NJ
Responsible for monitoring all contractor work activities as related to the following projects including, but not limited to: replacement and installation of runway edge and centerline lighting, runway, taxiway and roadway paving operations, AOA and non- AOA drainage structure installations, chain linked fence installation, runway and taxiway signage installation, runway and taxiway pavement markings placement, supervision of drilling operations for bridge drilled shaft construction; installation of precast concrete manholes and handholes, placement of concrete for electrical ductbank construction, installation of galvanized and pvc conduit for electrical services, installation of electrical power and communications cables, replacement of in pavement runway approach and flasher lights.

- SWF 164.009 - Rehabilitation of Taxiway Edge Lighting and Installation of Flashing Guard Lights
- SWF 164.021A - Rehabilitation of Cargo & Parking area for Building 2290
- SWF 164.041 - Runway Incursion Mitigation Phase 1B
- SWF 164.039 - Rehabilitation of Runway 9-27 & Runway 16-34
- SWF 164.019 - Rehabilitation of runway 9 Approach Lighting and Cable

Project Inspector, Resident Engineer's Office, LaGuardia Airport, NY *02/99 – 06/2010*
LPE Enterprises / Port Authority of NY & NJ
Responsible for the monitoring of all contractor work activities as related to the following projects including, but not limited to; demolition of existing concrete deck slabs, structural decks, and pile caps; preparation and placement of concrete for pile cap rehabilitation, girder joints, pile in fill and deck slab rehabilitation; Installation of conduit for T/W lighting and garage lighting; Setting of precast concrete girders and pile caps. Installation of water and sewer mains; Removal, replacement and installation of electrical conduit, wire, cable and related equipment; Installation of runway and taxiway lights and lighting systems, signs, signage and pavement markings; Asphalt placement, asphalt for rehabilitation, repair and resurfacing of runways, taxiways and adjacent areas; Concrete placement for reconstruction of terminal floor slabs; Placement of concrete for repair of deck girders and patching of deck undersides; Erection of Jersey barriers and chain linked fencing for AOA and perimeter security enhancements; Erection and installation of bollards for Terminal security upgrades.

- SWF 164.009 - Rehabilitation of Taxiway Edge Lighting and Installation of Flashing Guard Lights
- SWF 164.021A - Rehabilitation of Cargo & Parking area for Building 2290
- SWF 164.041 - Runway Incursion Mitigation Phase 1B
- SWF 164.039 - Rehabilitation of Runway 9-27 & Runway 16-34
- LGA 700 - Runway Deck FAA Conduit Externalization
- LGA 124.021 - Runway 4-22 Pavement Rehabilitation & Electrical Upgrades
- LGA 124.027 - Rehabilitation of Taxiway "B" From T/W "G" to "V"
- LGA 124.147 - Rehabilitation Of Hangar 4 Apron & Taxiways
- LGA 705 - Rehabilitation Of CTB Concourse Slabs
- LGA 715 - Pile Supported Structure Rehabilitation
- LGA 124.140 - Rehabilitation Of Runway 13-31 & Associated Taxiways
- MF 100.506 w.o. #13 - LGA Fencing at AOA Perimeter
- MF 100.507 w.o. #9 - MAT Frontage Protection
- MF 100.507 w.o. #18 - Perimeter Strengthening
- MF 100.509 w.o. #15 - CTB Bollard Protection
- MFA 200 w.o. # 2-18 - Repair Of Passenger Loading Bridge
- MFA 930.909A - West End Delta Shuttle Barrier & Fence
- LGA 124.071 – Airport Central Terminal Parking Garage Lighting and Painting
- LGA 609 – Rehabilitation Of Pile Caps
- LGA 124.068 – Pile Caps & Girders Installation,
- LGA 900.409A – Realignment of T/W "R",

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- LGA 990.310- Runway Expansion Joint Replacement at Bulkhead,
- LGA 669 - Pile cap, Bulkhead and Girder Rehabilitation.
- LGA 650 - Castellated Beam replacement
- LGA 686 - Utilities Rehabilitation. Along Runway Drive
- LGA 697- Replacement of Sanitary Force Main Hangar 7 to NYC CS

Senior Inspector, Promatech Inc., North Brunswick, NJ *10/98 – 01/99*
NYCDDC: Rehabilitation of Shore Blvd. Bulkhead ,½ mile pier replacement
Responsible for supervision of all contractor work activities including timber sheeting removal, steel sheeting installation, tie rod removal and re-installation, placement of structural concrete.

Project Officer, NYC School Construction Authority, Long Island City, NY *02/98 – 09/98*
Responsible for the simultaneous management of multiple projects including but not limited to prescope investigation and design review, bid preparation, bid review and analysis, budget management, scheduling, site supervision, cost estimating, change order evaluation and preparation, payment requisition review and processing.

Assistant Project Manager, TDX/Becom Joint Venture, Long Island City, NY 10/95 – 01/98
NYC School Construction Authority: Modernization of PS 175K/HS Redirection 5-Story Modernization and 2-Story Addition. Duties included review of contract work schedule, supervision of contractor and subcontractor work activities, cost estimating, change order review, analysis and evaluation, monthly report preparation and job meeting coordination.

Office Engineer, Leroy Callender, PC, New York, NY *02/94 – 09/95*
NYC Department of Transportation: Reconstruction of Malcolm X Blvd. Duties included preparation and maintenance of project records such as inspectors daily reports, material acceptance record book, monthly payment requisitions, EEO reports and wage rate interviews, subcontractor approvals, safety and project meeting minutes.

Assistant Project Manager NYC School Construction Authority, NY *12/87 – 01/94*
Construction of PS 6K and Modernization of Various Public Schools – Borough of Queens.
Progressed from Project Supervisor through Assistant Project Manager responsible for the review of contractors' work schedule, daily site supervision, coordination of contractor and subcontractor work activities, cost estimating, change order review and evaluation.

Senior Inspector, NYS Department of Transportation, NY *08/81 – 11/87*
Demolition of Miller Avenue Viaduct Over Rte 9A, West Side Highway 42nd St – 57th St., Long Island Expressway Widening 69th St – 90th, Construction of 150th St. Bridge Over Nassau Expressway.

CERTIFICATION

National Institute Of Certification in Engineering Technologies, NICET Level III Certified

Wesley Campbell, E.I.T.
Electrical Inspector

Professional Profile
Mr. Campbell has 13years of experience working in the construction field, as well as electrical engineering. He has knowledge of New York and New Jersey construction codes and standards, and holds a certification in National Electrical Codes. He has been involved with New York City Dept. of Transportation, Metropolitan Transit Authority Bridge and Tunnel, and Port Authority of New York and New Jersey projects, and is familiar with their guidelines and practices.

Mr. Campbell received the Team Excellence Award in 2002 for the Williamsburg Bridge, Contract 7, construction engineering and inspection project.

Proposed Project Assignment
Electrical Inspector

Registration/Certifications
2005/Engineer In Training

Education
BS/2001/Electrical Engineering

Course Work
2010 - OSHA Confined Space Training
2008 - 10-Hour OSHA Training Course

Total Years Experience 13

Project Experience
Holland Tunnel, New York and New Jersey; 6/13-Present. Electrical Inspector. This project involves the rehabilitation of the existing ventilation fan system for the Holland Tunnel. Mr. Campbell is responsible for construction inspection and coordination, net cost auditing, and engineering review of proposals. Client: Port Authority of NY & NJ

Willis Avenue Bridge Reconstruction, Resident Engineering and Inspection Services, New York, NY; 6/08-6/13. Electrical Engineer/Inspector. The $612-million project involved replacement of the movable Willis Avenue Bridge located over the Harlem River. The existing bridge carrying Willis Avenue over the Major Deegan Expressway, which is located immediately adjacent to the terminus of the Willis Avenue Bridge approach in the Bronx was reconstructed. In addition, a new connector ramp bridge structure to the northbound Major Deegan Expressway and adjacent at-grade modifications, including the pedestrian and bicycle amenities were also constructed. Mr. Campbell was responsible for inspecting electrical contractor activities for the replacement of the movable bridge swing span, the Manhattan and Bronx approaches, and electrical service centers. His, responsibilities included providing comments for contractor material submittals, requests for information, and shop drawings during acceptance stages; evaluating cost overruns and change order requests; witnessing the testing of electrical equipment during factory testing, offsite construction of the swing span, and installation of electrical distribution and control equipment in the Albany, NY, area; and investigating power and street lighting related issues and problems for resolution. Client: Willis Avenue Bridge Company, Joint Venture/New York City Dept. of Transportation

Rehabilitation of 145th Street Bridge over the Harlem River, New York, NY; 9/06-6/13. Electrical Engineer/Inspector. This project involved resident engineering and inspection services for the rehabilitation of the 145th Street Bridge over the Harlem River. The rehabilitation work consisted of replacing the entire superstructure, including a new double truss swing span that were constructed utilizing new drum girder and distribution girders, floorbeams, stringers, and partially concrete filled grating; the installation of new sidewalks with railings along the outside of both trusses; rehabilitation of all substructures and retrofitting of substructures for seismic forces; reconstruction of the Bronx and Manhattan approach structures; replacement of existing bearings with new elastomeric or isolation bearings; machinery construction work, including furnishing and installing new turning machinery and a new span supporting and stabilizing machinery; electrical construction work, including the installation of new electrical service feeders; and architectural work, including rehabilitation of existing gate houses and other architectural features on the approaches. Due to the bridge's proximity to Yankee Stadium, the entire structure was kept operational to traffic prior to, during, and after events held at Yankee Stadium. This resulted in most of the construction work taking place during the baseball off-season, which is typically November through March. Mr. Campbell was responsible for witnessing the installation of new electrical control systems. Client: New York City Dept. of Transportation

Wesley Campbell, E.I.T.
Electrical Inspector

Macombs Dam Bridge Rehabilitation, New York, NY. Electrical Engineer / Inspector. This project involved construction inspection services for the rehabilitation of the Macombs Dam Bridge, which included the West 155th Street Viaduct; the West Approach Plaza over Harlem River Drive and Seventh Avenue; the swing span over the Harlem River; the deck and camelback trusses over Metro-North and Conrail railroads; the Major Deegan interchange, consisting of the east approach and four ramps; and the Jerome Avenue Viaduct. He was responsible for witnessing onsite acceptance testing and troubleshooting of movable bridge electrical systems. Client: New York City Dept. of Transportation

Holland and Lincoln Tunnels ITS Improvements, Jersey City, NJ; 12/03- 7/06. Electrical Inspector. This project involved construction management services for ITS installation and improvements at both facilities. Mr. Campbell monitored safety of all personnel in assigned work areas. His responsibilities included inspection of construction for Holland Tunnel and Lincoln Tunnel Intelligent Transport System (ITS) as per Port Authority contract specifications, NY and NJ Construction Code guidelines, and NEC regulations. Electrical systems inspected included wiring of communications cabinets, circuit breakers, and installation of conduit, both overhead and underground. He was also responsible for inspection of fiber optic cable installation, splicing and testing, and fiber optic termination cabinet installation; the inspection, installation and maintenance of closed circuit television, vehicle detection systems, security card entrance systems, and variable message sign systems; the opening, closing and maintenance of traffic protection during lane closures; acting as liaison between Port Authority Construction Management Department, Holland Tunnel Facility personnel, and contractor; preparation of written report on field operations and project progress recorded in Daily Narrative; updating and maintaining net cost data; and assisting in work proposal estimations and cost analysis. Client: Port Authority of New York & New Jersey

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 10/01-12/03. Inspector. This project involved REI services to replace the entire approach structure and the framing/deck areas on the main bridge. This involved the reconstruction of the north inner and outer roadways. Mr. Campbell's responsibilities included inspecting and reporting daily on field operations and monitoring the safety of all workers in assigned work areas; inspecting field operations as per NYC Construction guidelines, NEC electrical code, and contract specifications and plans, and field measure quantities; inspecting all electrical operations on the Williamsburg Bridge including roadway lighting, footwalk lighting, street lighting, navigation light installation, fiber optic cable installation, dry-type transformer installation, traffic signal installation, and photoelectric control unit installation; inspection, installation and operation of bridge security systems, closed circuit television, vehicle video detection systems, variable message sign systems, and lane reversal signal systems; and monitoring equipment tests at job site and at the traffic command center. Client: New York City Dept. of Transportation

As a consultant, Mr. Campbell provided manufacturing companies with proposals based on Lean Principles to improve process times for plant operations from customer order to product shipment. Also provided consultation on redesigning plant layout to coordinate plant operations more effectively.

Garfield Cardinez
Senior Inspector

Professional Profile
Mr. Cardinez has many years experience in highway and bridge construction inspection, on multi-million-dollar projects.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
1990/NICET IV
2010/ACI Concrete Field Testing Technician Grade 1

Course Work
2000 - NYCTA - Track Safety
1996 - NYSDOT - Lead Awareness
1985-1989 - Continual Technical Studies, Pratt Institute
1984 - NYSDOT - Maintenance and Protection of Traffic

Total Years Experience 38

Project Experience

Belt Parkway Bridges REI Services - Gerritsen Inlet Bridge, Brooklyn, NY; 4/14-Present. Senior Inspector. This $104.5-million project involves total replacement of Gerritsen Inlet Bridge on the Belt Parkway in the Borough of Brooklyn. The major work includes removal and disposal of main spans including concrete deck, steel girders, floor beams and stringers, approaches, concrete superstructure, closure walls, timber piles, concrete piers, pier caps, columns, abutments, wingwalls, street lighting, transformer room, transit ducks, steel conduits, navigation lights, and trees and vegetation. Mr. Cardinez is responsible for inspection of field operations – PCC pavement including dowel installation, reinforcement mesh placement, concrete placement, field measuring and paying the contract quantity. Also involves drainage structure installation, approach building, grading and compacting the soil at bridge abutment to approaches as per contract plan and specifications. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Contract #HBK1091, Brooklyn, NY; 7/12-1/14. Senior Inspector. The project involved the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and superstructures, including the abutments, wingwalls, and pier columns and footings; installation of a new single-span replacement bridge consisting of a multi-stringer superstructure with reinforced concrete deck and superstructure, including reinforced concrete abutments and wing walls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadway and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage, and planting. Mr. Cardinez' responsibilities included inspection and computation of quantities for the excavation protection system; interim steel sheeting; stud shear connectors for bridges; installation of ductile iron pipe; catch basin – Type 2 (NYC), Type 3 (NYC), drop pipe manhole (NYC) (on piles); NYC standard manhole Type A-3 (on piles) and also Types B-1, B-2, C-1, and E-1; steel backed timber guiderail and perforated corrugated polyethylene underdrain tubing, 230 mm. diameter; concrete for rectangular footing for overhead sign structure; footing concrete and concrete for structure and superstructure slab with integral wearing surface; PCC pavement, Level 2, Class C, Type 1l construction of longitudinal and transverse joints; installation of precast median concrete barrier; clearing and grubbing; unclassified excavation and disposal; inspection of Superpave 12.5 mm F1 and 19 mm, 70 series; and preparation of daily reports. Client: NYCDOT

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 10/11-4/14. Senior Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures were new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation. Mr. Cardinez was responsible for testing and placement of concrete on the bridge deck and approaches; cast-in-place permanent concrete barrier for the bridge over Paerdegat Basin; the inspection of the proposed lighting installation and temporary lighting installation for the entire bridge and pedestrian/bikeway path; bridge flag repairs which includes steel surface preparation to SSPC-SP11, power tool cleaning to bare metal; and daily reports and progress payments. Client: NYCDOT

Reconstruction of Willis Avenue Bridge, New York, NY; 11/07-10/11. Senior Inspector. This project involved replacement of the existing movable bridge and approaches with a new structure, built offline from the existing structure. Mr. Cardinez was responsible for drilling for Nx core in preparation for caissons and drilled shaft; bored in

piles on FDR in preparation for pier installation; impact repair on Bruckner Boulevard; removal of sidewalk, parapet and concrete deck; removal and installation of structural steel; rehabilitation of Major Deegan northbound and southbound; demolition of on ramp; structural concrete removal, drainage and electrical removal; placing subbase, permeable base and pavement concrete, cast in place and precast barrier installation; drainage removal on Major Deegan northbound and southbound; northbound rehabilitation including removal and disposal of existing concrete deck and subgrade; placing subbase, permeable base, and concrete pavement; flag repairs on river span and Willis Avenue exit and Bruckner Boulevard exit ramp; flag repairs including steel repairs and asphalt paving; repairs on swing span which were done on barge and involved some drilling of Nx coring; and testing, inspection and observation of concrete, compaction of soils and asphalt. Client: NYCDOT

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 5/05-11/07. Mr. Cardinez served as senior inspector on this $150-million project that involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; and repair of flagged conditions. His responsibilities included inspection of erection of work platforms, removal and replacement of lower roadway deck, floor beams, stringers and bearings; inspection of rehabilitation of both Brooklyn and Manhattan anchorages, including floors, walls, ceiling and crack sealing by epoxy injection. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York; NY; 11/01-6/05. Mr. Cardinez served as senior inspector for this $175-million project that involved rehabilitation of the north upper roadway approach and suspended spans. He was responsible for inspection of truss repairs and replacement of north upper roadway elevated structure and tunnel roof areas; inspection of new bikeway construction; masonry cleaning; ITS fiber-optic conduit and pull box placement; retaining wall and concrete pavements on grade and on structure; and inspection of colonnade/arch restoration including interior work such as new elevator installation, stairs, walls, fire and intrusion alarm. Client: NYCDOT

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, Contract #BRC1568C, New York, NY; 11/00-2/01. Senior Inspector. This $124-million project involved the rehabilitation of the Manhattan plaza area, Manhattan Arch and Colonnade; replacement of the structural steel stringer and floorbeam support system for the west side subway tracks; replacement of truss bearings on top of the piers of both approach spans; rehabilitation of eyebars anchoring one of the main suspension cables; and removal of existing paint from the entire west side, both towers and two main cables, and replacing with new coating. Mr. Cardinez' responsibilities included inspection of the erection of structural steel, and restoration of the colonnade and arch including masonry repairs and cleaning, concrete curbs and sidewalk areas. Client: New York City Dept. of Transportation

Queensboro Bridge, Contract 2 to 5, Queens, NY; 1984-2000. Mr. Cardinez served as chief inspector on a federal aid project for the rehabilitation of the Queensboro Bridge. His responsibilities included inspection of all field work; structural demolition and replacement, concrete placement for bridge decks, pavement slabs, cast in place and precast, permanent concrete traffic barriers, drainage demolition and replacement, street light installation, painting and maintenance and protection of traffic. His responsibilities also included supervising and coordinating the schedules of a 15-person field inspection team; preparation of daily reports; compiling and computing quantities for payment; giving lectures for inspectors on the hazards and requirements of lead paint removal and proper procedures for evaluating class "A" containment and for implementing time and material documents.

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 7/00-11/00. As senior inspector, Mr. Cardinez' responsibilities on this $248-million project included the inspection of the downspout system below SIR and SOR. Inspected punch list of cleaning and painting eyebars in Brooklyn and Manhattan anchorage, also kick plates in debris shield platform in both Brooklyn and Manhattan approaches. Client: NYCDOT, Division of Bridges

Mhed Charles
Senior Inspector

Professional Profile
Mr. Charles is a senior inspector who is familiar with bridge design, biennial and construction inspections using Structural Steel Construction Manual and AAHSTO, in conformance with specification guidelines and contract plans. He is also familiar with concrete and asphalt placement over bridges and roadways and their testing, before placement. He has experience in cable bridges/removal of existing wire wrapping, re-wrapping with new wire, painting and removal and replacement of suspenders and stays assemblies.

Project Experience
Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 7/12-Present. Senior Inspector. This project involves the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures are new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation. Mr. Charles is responsible for installation of the columns and the floorbeams that were part of the falsework; overseeing the placement of the pedestals over the new concrete pier columns and the abutments; overseeing the placement of the girders and the removal of the falsework system; overseeing the placement of the wingwalls; the soils compaction for the embankments; placement of Class HP concrete on the new Deck; overseeing the removal of sheet pilings that formed the cofferdams around the piers; reinforcement of wingwalls and deck as per contract documents; reinforcing existing bridge steel since it is the only access road for 45-ton trucks; setting new drainage system along the new approaches; raising the new manholes and installation of underdrain filters after excavation; verification of soils compaction; setting mesh and joints for the roadways; testing concrete as per ACI 318.08 to ensure quality and acceptance; and report preparation. He is also involved with punch lists, close-outs, and updating as-built drawings. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Contract #HBK1091, Brooklyn, NY; 7/12-Present. Senior Inspector. The project involves the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and superstructures, including the abutments, wingwalls, and pier columns and footings; installation of a new single-span replacement bridge consisting of a multi-stringer superstructure with reinforced concrete deck and superstructure, including reinforced concrete abutments and wing walls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadway and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage, and planting. Mr. Charles is responsible for installation of the columns and the floorbeams that were part of the falsework; overseeing the placement of the pedestals over the new concrete pier columns and the abutments; overseeing the placement of the girders and the removal of the falsework system; overseeing the placement of the wingwalls; the soils compaction for the

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2008/ACI Concrete Field Testing Technician Grade 1
1999/NACE Coating Inspector Level 1 - Certified
1994/NICET IV
2000/OSHA Scaffold Competent Person
NYCT Track Safety Certified/NY

Education
BS/1979/Engineering
MS/2005/Transportation Planning & Engineering

Course Work
2008 - 10-Hour OSHA Training Course, #001872367
2007 - NYCT Track Safety Training
2000 - AWS Certified Associate Welding Inspector Trained
2000 - OSHA Best Safety Scaffolding Training
2000 - Confined Space Awareness
1999 - NYCDOT Supervisor Course
1987 - KTA-Tator Coating & Lining Inspection
1987 - Bridges Safety and Ratings

Professional Affiliations
American Institute of Steel Construction (AISC)
American Society of Civil Engineers (ASCE)
American Concrete Institute (ACI)
American Welding Society (AWS)
Institute of Transportation Engineers (ITE)
ASME
American Society of Certified Engineering Technicians (ASCET)
Structural Engineering Institute/Charter Member
American Engineering Alliance (AEA)

Total Years Experience 42

embankments; placement of Class HP concrete on the new Deck; overseeing the removal of sheet pilings that formed the cofferdams around the piers; reinforcement of wingwalls and deck as per contract documents; reinforcing existing bridge steel since it was the only access road for 45-ton trucks; setting new drainage system along the new approaches; raising the new manholes and installation of underdrain filters after excavation; verification of soils compaction; setting mesh and joints for the roadways; testing concrete as per ACI 318.08 to ensure quality and acceptance; and report preparation. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 4/05-7/12. MPT Officer. This $280-million project involved the construction inspection for the rehabilitation of the main bridge, including abrasive blasting and painting of main bridge stiffening trusses, rehabilitation, strengthening and seismic retrofit of the main and intermediate towers and installation of seismic shear keys, and major upgrades and retrofits for the main cable saddles, wind tongue and wind chord, main and intermediate tower bearings, main tower legs, stiffening truss chords, traveling maintenance platforms, suspender cables, orthotropic footwalk roadway deck and expansion joints, ornamental balconies and electroliers, intelligent transportation operating system, and traffic barrier system. Since 2007, Mr. Charles acted as the MPT officer responsible for keeping all MPT agencies informed as required; calculating taper lengths per MUTCD; monitoring daily traffic zone safety, pothole repair, vehicle clearances and truck detour routes; concrete barrier modifications (for contra-flow); installation of a BTM machine security gate; replacement of existing traffic signal pole and lights at the Manhattan Plaza; and daily verification of working roadway, navigation and aviation lights. Mr. Charles also performed inspection for restoration of the north comfort stations (installation of spiral ladders, reinforcing of roof and floor systems), and seismic retrofit repairs for Piers 10, 15 and 20 concrete and stone materials. In addition, Mr. Charles served as senior inspector responsible for documenting suspender adjustments, cable band bolts retightening, and neoprene wrapping of main cables, main tower bearing and gusset plate replacement, South Outer Roadway asphalt paving placement, and Brooklyn tower cleaning and painting. His responsibilities also included installing end span platforms (Manhattan/Brooklyn end spans under the MTA tracks), Manhattan portal bird screens, Pier 0 East/West and Pier 20 East/West bearing covers, permanent inspection access platforms and main span traveler track beams and new platforms to support aviation lights at tower tops, outer roadway and bridge plaza gantries, sign structures and VMS signs with photocells, conduits, junction boxes and traveler system cable feeds under the bridge main span, seismic bearing installation and steel seismic retrofits at the intermediate towers, delineators at the Brooklyn Plaza, bridge approach impact attenuators, permanent street signs, and main tower wind tongues; modifications for ADA (American Disability Act) compliance at foot walk expansion joints, approach roadway modular joints, Cable A, D necklace lighting (including arc fusion splicing of fiber optic cables and testing of CCTV and VVDS system components), bridge standpipe system to meet FDNY code, and footwalk drainage system; removal and replacement of diagonal trusses cross bracings, temporary stair towers, railings and gratings at the Bridge towers; modular seal neoprene joints, top and lower roadway CCTV cameras. Mr. Charles provided coordination of MPT operations with NYPD and NYCDOT officials, performed daily lane closure and construction signs surveys, assisted in foundation location for Manhattan plaza electroliers, inspected roadway striping and performed voids rehabilitation of the Kent Avenue yard along Pier 20E. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 2/04-4/05. Mr. Charles was a senior inspector for this $150-million project which involved the reconstruction of lower roadway; removal and replacement of floor beams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge at suspended and approach spans; and repair of flagged conditions. He was responsible for truss repairs and replacement of truss bearings on the approaches. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York; NY; 2/01-2/05. Mr. Charles was a senior inspector for this $148-million project which involved rehabilitation of the north upper roadway approach and suspended spans. He was responsible for truss repairs and replacement of truss bearings on the approaches. Client: New York City Dept. of Transportation

Christopher Colon
Inspector

Professional Profile
Mr. Colon is a construction inspector who has attended and completed the JUMP Program for construction inspection. He gained experience by training on the job site. He is currently involved as a construction inspector on the following project.

Project Experience
Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, New York, NY; 10/10-Present. Inspector. The project involves construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involves the complete replacement of five bridges, the reconstruction of one bridge along with the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. Mr. Colon is responsible for the inspection of structural concrete, rebar installation, clearing and grubbing, tree removal, barrier installation and removal, piles, seeding and structural concrete and steel removal. Client: New York State Dept. of Transportation

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2011/NICET II
2008/ACI Concrete Field Testing Technician Grade 1

Course Work
2008 - 10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training

Total Years Experience 6

Rehabilitation ofthe Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 5/08-10/10. Trainee. This $138-million project involved construction engineering and inspection for the widening, redecking and repainting of this 850,000 sq ft viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume, major interstate urban highway/bridge included replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. The structure had seismic reinforcement installed which included retainers and plates at the top of columns and additional stiffeners and plates at the base. The project also included extensive coordination with agencies and local communities. Mr. Colon was assigned to this project to receive on-the-job training for construction inspection through the JUMP Program. Client: New York State Dept. of Transportation

As an intern, 9/05-2/06, Mr. Colon assisted a team of over 20 architects and staff in general office functions including filing, duplication and distribution of mail, office supplies and records.

Computer Skills
Microsoft Windows XP (Word/PowerPoint/Internet Explorer), AutoCAD, Adobe Photoshop, Site Manager

Luz Coy
Inspector

Professional Profile
Ms. Coy is an inspector/assistant office engineer with the following experience.

Proposed Project Assignment
Civil/Structural Inspector, Office Engineer

Registration/Certifications
2013/ACI Concrete Field Testing Technician Grade 1

Education
BE/1999/Civil Engineering
ME/2013/Civil Engineering

Course Work
2012 - 10-Hour OSHA Training Course

Total Years Experience 7

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 3/13-Present. Inspector/Assistant Office Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Ms. Coy is responsible for the inspection of the structure replacement of York and Main Street in accordance with the proposed shop drawings. She is also responsible for the inspection of the demolition and replacement of the existing concrete deck and back wall, removal of the granite stones, verifying compliance with the shop and contract drawings for the removal of the steel railing, diaphragms, and replacement of the entire steel structure. She also assists the office engineer with contract payments, change order payments, material acceptance documentation, processing of Time & Material (T&M) packages, checking IDRs, and contract items quantities. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 4/11-3/13. Assistant Office Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project includes abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Ms. Coy was responsible for maintaining all databases and office files including shop drawings, catalog cuts, ECMs, construction procedures, field change sheets, flag repair and hazardous waste monthly report. She was also responsible for handling all incoming and outgoing correspondence and submittals to appropriate parties; coordinating and processing Traffic Enforcement Agent (TEA) payments; checking and finalizing Time & Material (T&M) packages, checking IDRs and finalizing contract items, putting change order documentation in order, preparing monthly progress meeting, submission of monthly construction report, complying IDRs and Engineer's diary, updating progress tracking of change orders, and preparing weekly coast guard as well as anticipated work over water memorandums. Client: New York City Dept. of Transportation

Luz Coy
Inspector

Access to the Region's Core (ARC) Trans-Hudson Express Tunnel Project, New York, NY; 7/10-10/10. As a civil engineer, Ms. Coy led a field team for the above project and was responsible for assessing, surveying and documenting pre-construction conditions of the properties. She drafted floor plans of surveyed buildings; rated buildings and structures within the project tunnel's zone prior to construction; inspected and documented buildings and structures along and adjacent to the tunnel; and conducted community outreach to ensure project goals were met.

Institute of Urban Development (IDU), Bogota, Colombia; 9/00-6/01. As a civil engineer, Ms. Coy evaluated structural conditions of a housing complex composed of 100 units. She performed visual and hands-on inspection of the interior and exterior of multi-family houses; photographed, documented and collected data of existing conditions to complete the inspection report; and conducted community outreach to ensure project goals were met.

Institute of Urban Development (IDU), Cundinamarca, Colombia; 10/99-1/00. As a civil engineer, Ms. Coy evaluated field conditions for the design and construction of a concrete roadway between two adjacent towns; and administered topographic survey and data collection of the roadway field location in the preconstruction phase of the project.

Institute of Urban Development (IDU), Antioquia, Colombia; 2/98-2/99.As an assistant inspector, Ms. Coy conducted hands-on field inspection of the structural condition of the bridges, railroad, culverts and drainage systems, registering defects, photographing damaged locations and writing reports. She also surveyed and inspected 180 miles of railroad track and documented findings for a later rehabilitation phase.

Research Projects:

Sustainability in Civil Engineering Project: Ms. Coy investigated large-scale fuel cell feasibility for wastewater treatment plant. She researched the benefits associated with the installation of 4.8 MW carbonate fuel cell at Newtown Creek wastewater treatment plant in New York to reduce greenhouse gases and generate power. The City College of New York; Fall 2010.

Advance Hydraulic Project: Ms. Coy performed water surface profiles calculations using HEC-RAS for the Red Fox River in Colorado. The City College of New York; Spring 2010.

Hydrology Project: As part of a team, Ms. Coy designed a retention pond in Orange County, NY, using HEC-HMS modeling software. She performed flood analysis. Applied TR-55 method; Fall 2009.

Technical Skills
AutoCAD, Matlab, ENVI, C language, HEC-HMS, HEC-RAS, Microsoft Word, Excel, PowerPoint

Gary Crozier
Senior Inspector

Professional Profile
Mr. Crozier is a chief/senior inspector with many years of experience on urban bridge rehabilitation and railroad construction projects. He has vast experience with steel and concrete rehabilitation, maintenance and protection of traffic (MPT) coordination, foundation work, utility relocation, drainage, and bridge downspout systems.

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 9/13-Present. Task Leader. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Crozier is responsible for oversight/inspection/quality assurance of all approach span excavation, installation of new drainage/water/sewer lines, excavation permits, soil/rock disposal, trucking onto and off of the project site, coordination between the Port Authority Facility and the general contractor, demolition of the existing toll plaza and the installation of a new automated toll plaza, erection of a new maintenance/storage building and salt dome, placing/compaction of sub base materials, placing of asphalt and concrete for new roadways and barriers. Client: Port Authority of NY & NJ

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Contract #HBK1091, Brooklyn, NY; 11/10-9/13. Senior Inspector. The project involved the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and superstructures, including the abutments, wingwalls, and pier columns and footings; installation of a new single-span replacement bridge consisting of a multi-stringer superstructure with reinforced concrete deck and superstructure, including reinforced concrete abutments and wing walls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadway and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage, and planting. Mr. Crozier was responsible for the inspection of all aspects of the $60-million project including supervision of two NICET II inspectors. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 9/10-11/10. Senior Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. Mr. Crozier was responsible for the inspection of the reinforced superstructure slab supported by high-performance box girders and substructures including reinforced multi-column piers. Client: New York City Dept. of Transportation

Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY; 2/09-9/10. Senior Inspector. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, there were massive concrete placements for concrete footings and piers. For the duration of the project, traffic on the bridge was maintained with five lanes open

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
1996/ACI Concrete Field Technician Grade 1
1987/NICET IV
1997/NACE Coating Inspector Level 1 - Certified
1997/NYSDOT Traffic Control Seminar/NY
1999/ATSSA Traffic Control Supervisor

Education
AAS/1976/Civil Engineering Technology

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2011 - OSHA #500 Trainer Course in Occupational Safety & Health Standards for the Construction Industry
2008 - 30-Hour OSHA #500 Construction Safety and Health Trainer Course
2003 - FHWA, Maintenance and Protection of Traffic (MPT) Design and Operation
2000 - AWS Certified Associate Welding Inspector Trained
2000 - OSHA Best Safety Scaffold Training
2000 - Confined Space Training

Professional Affiliation
American Welding Society (AWS) #[redacted]
American Society of Certified Engineering Technicians (ASCET) #68822
National Association of Corrosion Engineers (NACE) #[redacted]

Total Years Experience 37

to traffic. During the staged construction work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Crozier's responsibilities included the oversight of structural excavation, excavation support system (installation of shoring and structural support), vibration and settlement monitoring, installation of mini-piles, mini-pile static load tests, installation of bar-reinforcing and structural concrete for footings and piers. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 3/03-2/09. Senior Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. Mr. Crozier's responsibilities included overview of the total coating replacement, i.e.: lead paint removal by abrasive blasting, application of a four-coat paint system, erection of Class 1A containment system, replacement of the traveler platform system, and installation of jacking system, new M.R. bearings. His responsibilities also included the overview of the stiffening of the intermediate towers, which support the end span of the bridge and overview of removal and installation of maintenance platforms, rails and hangers. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 2/00-3/03. Senior Inspector. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Crozier's responsibilities included overview of bored-in piles using a duplex drilling method, pressure grouting, post grouting, and tremie grouting in association and in accordance with all Federal, State and City regulations. The project also included Installation of new catch basins, manholes, cut and fill oversight of new approach ramp to the bridge structure. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 7/98-2/00. Chief Inspector (MPT/Safety Engineer). Mr. Crozier's responsibilities on this $176-million project included an overview of all safeguards for the protection of persons and property, maintenance and protection of traffic (MPT), and any special precautionary and protective measures in compliance to plans and specifications. He was also involved with procurement of permits, maintenance of variable message signs and closed circuit TV system within and beyond the project limits during the life of the contract. He also oversaw tow trucks, which provided rapid response to vehicular breakdowns. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 5/97-7/98. MPT/Safety Engineer. Mr. Crozier's responsibilities on this $310-million project included an overview of all safeguards for the protection of persons and property, MPT, and any special precautionary and protective measures in compliance to plans and specifications. He was also involved with procurement of permits, maintenance of variable message signs and closed circuit TV system within and beyond the project limits during the life of the contract. He also oversaw tow trucks, which provided rapid response to vehicular breakdowns. Client: New York City Dept. of Transportation

Manhattan Bridge South Side Approach and Suspended Spans Rehabilitation, BRC156E, New York, NY; 12/92-5/97. As chief inspector for this $96-million project, Mr. Crozier's responsibilities included assignment of field personnel to meet the needs of the contract, ensuring that all work is recorded completely and in a timely fashion. He was also responsible for review of all inspector's reports; progress of work; timely testing of materials; and personnel safety. Project elements included construction of new railing, walkway slab, landscaping, barriers, lighting, elevated steel structure, drainage system and playground; new relief joints; replacement of deck slabs with new concrete-filled steel grid deck panels and armored joints; replacement of drainage system and corroded floorbeam; installation of concrete traffic barrier; replacement of finger joints with new expand joints at the anchorages; replacement of pin supported hangers with new hanger system using bearings and slide plates; installation of new upper and lower lateral bracing and bearings; installation of end frames; diagonal stiffening; waterproof anchorage; roof repair corroded and broken cable wires; and new electrical and lighting system. Client: New York City Dept. of Transportation

Camilo Cruz
Inspector

Professional Profile
Mr. Cruz is an engineer/inspector who is familiar with NYS Standard Specifications, NYSSCM, MUTCD, and other local specifications and guidelines. His experience includes:

Bridge Superstructures: steel erection; installation of caissons/ drilling/ concreting; installation of piles- mini piles- H- piles- timber piles; installation of steel sheeting cofferdams- various types; installation of rebar- foundations- columns- decks- etc; inspection of concrete pours of foundations and deck slabs; inspection of river works such as dredging of the river bottom or excavation/demolition of existing structures; and electrical works such as conduit-cable-light poles installation.

Roadway and Highways: asphalt and concrete pavement; earthwork; cut and fill; drainage; basic maintenance and protection of traffic on local roadway and major highways and striping.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
ICC Structural Steel and Bolting Special Inspector
ACI Concrete Construction Special Inspector
ACI Concrete Field Testing Technician Grade 1
NETTCP Soils & Aggregate Inspector Certification
NJ Society of Asphalt Technology Certificate
Ocean Corporation, Commercial Scuba Diving

Education
BS/Civil Engineering

Course Work
2014 - OSHA Construction Scaffolding Safety Training
2008 - 10-Hour OSHA
2013 - PA NDA Training

Total Years Experience 7

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - George Washington Bridge, NY; 8/12-Present. Inspector. This project involves joint replacement of the upper level deck. The project also involves the replacement of orthotropic deck, scupper and pipe run replacement, expansion finger joint repairs, main/secondary floorbeam repairs, stringer and stringer bearing repairs, deck rib connections, barrier repairs, paving, and coordination of maintenance of traffic. Mr. Camilo's responsibilities include construction management and inspection services involving structural steel, concrete work, roadway paving, safety, and maintenance of traffic. He is also responsible for preparation of a daily report detailing the work activity, issues, and work progress and tracking of time and material (T&M) on extra work. Client: Port Authority of NY & NJ

Willis Avenue Bridge Reconstruction, NY; 5/09-8/12. Field Inspector. This project involved the replacement of the existing movable bridge and approaches with a new structure, built offline from the existing structure. Mr. Camilo performed field inspection and was responsible for presenting daily reports with details of operations. He also participated in the team of inspectors for river and land works which included, but was not limited, to caissons, foundations, demolition, steel erection, maintenance and protection of traffic, etc. Mr. Camilo also performed the following duties:

- Verified that dimensions in the field were in accordance with contract drawings and payment limits.
- Inspected rebar installation.
- Performed inspections for preparations prior concrete placement.
- Monitored concrete placement procedures and performed concrete testing.
- Observed the mobilization of temporary steel platforms to act as templates to drive H-piles, timber piles, steel sheeting and caissons. Documented blow count, monitored elevations to comply with the shop drawings for acceptable embedment.
- Inspected the vibration and drilling of caissons, for the land and river foundations; verified caisson tip down to bed rock for proper sealing and inspected the concrete placement as well (tremie).
- Inspected steel erection work making sure lifting procedures were safely followed as per the steel construction manual and state standard specifications; inspected and recorded bolt testing making sure that all structural and non-structural components were properly installed and bolts were properly fastened.

Camilo Cruz
Inspector

- Inspected deck slab work, which includes inspecting stay-in-place form installation, making sure heights were correct per the approved haunch tables and tested shear stud connectors.
- Reviewed demolition drawing to assure compliance with field conditions; verified that the positioning of demolition equipment was as per approved drawings; overseen the haulage and disposal of contaminated, non-hazardous material as well as hazardous waste material.
- Inspected the safety aspect of the work site prior, during and after the operation making sure it complied with the standards and personnel followed the job hazard analysis.
- Coordinated and inspected lane closures on the adjacent major highways (Major Deegan Expressway and Harlem River Drive) per the NYCDOT approved permits and ensured the compliance for safety of the contractor's personnel and the public.

Client: New York City Dept. of Transportation/New York State Dept. of Transportation

Route 9A Reconstruction, New York, NY; 1/08-5/09. Field Inspector. Mr. Camilo performed inspections for the reconstruction of Route 9A (West Side Highway). The project included reconstruction of four surface lanes, tunnel approaches, and streets; construction of a promenade above tunnel; and construction of an eight-lane-wide, at-grade roadway facility with an integrated promenade and pedestrian overpass. Responsibilities included:

- Inspecting existing finished concrete roadway demolition to proposed sub-grade, excavation for utility castings, and placement of super-pave asphalt.
- Checking that asphalt materials were at proper temperatures, mixes were correct, and that compaction was completed with proper equipment and correct density according to project specifications.
- Inspecting new PCC European pavement placement, which included performing samples and tests of the transit mix delivered concrete, such as air content tests, slump tests, and temperature and post-concrete care, such as curing additives, saw cutting, and joint sealed.
- Inspecting maintenance and protection of traffic (MPT), and making sure that all construction signs were posted and visible.
- Inspecting pavement and roadwork to make sure that work complied with contract drawings, survey data, and specifications.
- Performing field measurements and calculation of quantities for work completed, inspected earthwork to verify that safe practices were followed.
- Performing calculations for material removed and backfilled, and performed volumetric test during backfilling to ensure proper compaction of materials.
- Inspecting drainage activity, which included performing field checks to obtain stationing and elevation, performing quantity calculations for work completed, making sure drainage structures matched contract drawings, and create as-built drawings for work completed.

Client: New York State Dept. of Transportation

Computer Skills
Microsoft Word, Excel, PowerPoint, AutoCad, Sap2000, Etabs Nonlinear

David Cunningham
Inspector

Professional Profile
Mr. Cunningham is a construction inspector with many years experience working on bridge and structural rehabilitation / reconstruction projects.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2007/NICET III
2009/ACI Concrete Construction Special Inspector
2010/NETTCP Soils & Aggregate Inspector Certification/NY
Confined Space Awareness Certification

Course Work
2010 - U.S. NRC Safety and Gauge Operation Certification for the use of Nuclear Moisture/Density Equipment
10-Hour OSHA Training Course

Total Years Experience 13

Project Experience
Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, New York, NY; 9/10-Present. Inspector. The project involves construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involves the complete replacement of five bridges, the reconstruction of one bridge along with the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. Mr. Cunningham's responsibilities include inspection of various staging operations such as clearing and grubbing, mobilization, installation of temporary lighting and signal equipment as well as minor excavation and paving operations related to staging of work zone. He is also responsible for delegating inspection operations to junior inspectors on site and assisting in the training of the trainee inspectors on site. Client: New York State Dept. of Transportation

2005-2010 Port Authority On-Call Construction Management Services - Staten Island Bridges Rehabilitation, Staten Island, NY; 4/05-9/10. Inspector. The project involved construction inspection for structural, civil, mechanical, electrical, and bridge painting services for the three Staten Island Bridges operated by the Port Authority of New York & New Jersey. Mr. Cunningham's responsibilities included the inspection services for a range of construction operations (see specific assignments listed below for operation details). Mr. Cunningham assured each operation was supervised and executed in direct conformance to applicable specifications (and approved drawings) and maintained large portions of the office engineering for each contract respectively. His responsibilities also included communicating with all federal, state and local agencies involved during construction operations (PA administrators, Coast Guard, OSHA, Army Core of Engineers, DEP, DEC, PA police, NJ state police, NYPD, FDNY, NJ Turnpike Authority, Conrail, NJ Transit, NYS DOT, NJ DOT, PSE&G, National Grid, local community boards etc.)

Specific assignments included:

Fire Hydrant Upgrade, New York Side of Bayonne Bridge, Goethals Bridge and Outerbridge Crossing, Contract #AK-183; 4/09-9/10. This project involved performing large amounts of trench construction for new water mains. Mr. Cunningham assisted the Port Authority materials lab with field sampling of soils and aggregates, and field testing materials to determine its properties. Once trench excavated and sub-grades properly compacted, contractor then place ¾" clean stone for pipe bedding. Contractor then properly installed over 2,000 lin ft of new pipe sections performing various connection types (victaulic, mechanical and bell). Once pipes secured in proper fashion, concrete thrust blocks were poured in place for pressure resistance at elbows and hydrant base. This network of trenches required extensive utility crossings in very sensitive areas. All crossings performed using specific details and instruction provided as per specifications (utility mark-outs refreshed on daily basis). Contractor also removed and replaced any roadway pavement, asphalt and sidewalks which were disrupted during water main installation. Landscaping damaged during construction restored to existing condition (hydro seeding).Contractor performed various types of lane closures to execute this work. His responsibilities included all day-to-day inspections of operations being performed (civil and structural); document control of project including payment applications, RFIs, transmittals, and submittals; performing controlled inspection for specified operations; producing change orders; calculating estimates of work; handling all organization and scheduling of work with facility administration; and creating progress meeting agendas and recording minutes.

David Cunningham
Inspector

Homeland Security Project, Contract #MF 100.509; 8/08-9/10. This project involved the structural hardening of vital bridge areas (steel). The contractor also removed existing cofferdam from waterway below bridge and constructed a security barrier around bridge anchorage. This barrier consisted of concrete filled pipe pilings (secured to bedrock) as well as reinforced whaler system to restrict access to Bridge form waterfront. Mr. Cunningham provided inspection services for structural steel operations and water work.

On-Call Contract to Remediate Red Flag Repairs for Structural Members, Contract # MF 208.907 W.O. # 1-4; 4/08-9/10. This was an on-call contract to remediate red flag repairs for structural members. The contract included structural steel repairs to various locations of Bayonne Bridge. Mr. Cunningham's responsibilities included all day-to-day inspections of operations being performed (civil and structural); document control of project including payment applications, RFIs, transmittals, and submittals; performing controlled inspection for specified operations; producing change orders; calculating estimates of work; handling all organization and scheduling of work with facility administration; and creating progress meeting agendas and recording minutes.

Emergency Back-Up Generators, Contract #AK 166A; 4/08-6/09. This contract included installation of emergency power distribution systems at Bayonne Bridge, Goethals Bridge and Outerbridge Crossing. Mr. Cunningham's responsibilities included all day-to-day inspections of operations being performed (civil and electrical); document control of project including payment application, RFIs, transmittals, and submittals; performing controlled inspection for specified operations; producing change orders; calculating estimates of work; handling all organization and scheduling of work with facility administration; and creating progress meeting agendas and recording minutes.

Maintenance of Structures – Goethals Bridge, Outerbridge Crossing and Bayonne Bridge, Contract #AK-181; 1/07-1/10. This project involved performing various emergency and non-emergency civil repair operations at all three Port Authority Bridges in Staten Island. Work included concrete deck repair (full-depth and partial depth), concrete slab repair (full-depth and partial-depth), sub-grading remediation, drainage repairs, asphalt patch repairs, asphalt resurfacing, sidewalk installation, curb repair, barrier wall repair, road striping and spall repairs of vertical members. Mr. Cunningham's responsibilities included all day-to-day inspections of operations being performed (civil and structural); document control of project including payment application, RFIs, transmittals, and submittals; performing controlled inspection for specified operations; producing change orders; calculating estimates of work; handling all organization and scheduling of work with facility administration; and creating progress meeting agendas and recording minutes.

Upgrade of Traffic Control Devices, Contract #MF 205.907; 6/07-9/08. This contract included removal and replacement of existing guardrail at various locations of the Goethals Bridge. The contractor also performed under deck concrete repairs at bridge mounted guard rail locations. The contractor installed new signage at NJ side of bridge. Mr. Cunningham's responsibilities included all day-to-day inspections of operations being performed (civil and structural); document control of project including payment applications, RFIs, transmittals, and submittals; performing controlled inspection for specified operations; producing change orders; calculating estimates of work; handling all organization and scheduling of work with facility administration; and creating progress meeting agendas and recording minutes.

Outerbridge Crossing, Net Cost Red Flag Repairs, Contract #AKO 284.037; 5/07-12/08. This project involved performing various structural steel repairs at Outerbridge Crossing. Repairs ranged from rivet replacements to cantilevered floor beam bracket replacements. His responsibilities included all day-to-day inspections of operations being performed (civil and structural); document control of project including payment application, RFIs, transmittals, and submittals; performing controlled inspection for specified operations; producing change orders; calculating estimates of work; handling all organization and scheduling of work with facility administration; and created progress meeting agendas and recorded minutes. Mr. Cunningham coordinated with other agencies to perform work within their respective areas including NJ Turnpike Authority, NJ State Police, NJ Transit and Conrail.

Majdi El-Taher
Inspector

Professional Profile
Mr. El-Taher has more than 26 years experience in supervising and coordinating painting inspection projects, contractors' work involving lane and shoulder closing techniques on main roadways, safety precautions on roadways, work-zone traffic control, and surface preparation for steel painting. His duties have included inspecting roadway excavation and backfilling, grading, drainage, bituminous paving, MSE wall, sound barrier installation, bridge demolition, and structural rehabilitation. Specifically, he has inspected permanent and temporary steel sheeting; H, pipe, monotube, and auger-cast piles; structural steel erection; installation of reinforcement steel; concrete placement for footers, substructure and superstructure; latex modified concrete overlay; and micro-silica modified concrete overlay. In addition, Mr. El-Taher's 26 years of experience have also included providing monitoring and office engineering services for structure and roadway construction projects. His office engineering duties have included preparing estimates, force account work, reports, and meeting minutes.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2001/NICET IV; 1993/NICET III
2011/ACI Concrete Field Testing Technician-Grade I;
2011/NJSAT
2014/Rutgers TCC Refresher
2010/ACI-CCTC *(Lifetime Certification)*

Education
BS/1985/Civil Engineering

Total Years Experience 26

Project Experience
New Jersey Turnpike Interchange 6 to 9 Widening Program; 7/10-Present, $2.7B. Senior Inspector for Contract No. T869.120.202 (approximately $33M) for NSO/SNO Roadways Grading, Drainage, Paving, and Structures from MP 55.1 to 56.5 in the Townships of Bordentown and Chesterfield. This project involves the construction of two new outer roadways, each consisting of three 12-foot lanes and a 12-foot right shoulder as well as the reconstruction of the Bordentown Chesterfield Road and the Ward Avenue bridges over the Turnpike, five retaining walls, two butterfly sign structures, one cantilever sign structure, four overhead VMS structures, electrical ITS, drainage and stormwater management facilities including three storm water management basins and four manufactured treatment devices, ITS, and extensive utility relocation and coordination. Other work includes noise walls, drilled shafts, H-piles, king piles, curved steel erection, high cast-in-place retaining walls, 77,000 CY of Excavation over 90,000 tons of Superpave Hot Mix Asphalt Courses; Concrete In Substructures and Footings; Reinforcement Steel; Structural Steel (two structures); 17,300 LF of Pipe Piles; MSE Walls; Concrete In Deck or In Headblock, HPC Demolition of two Bridge Structures; Reinforced Concrete Pipe (various types and sizes-17,000 L.F.) 18" Steel Pipe Jacking. As Senior Inspector, Mr. El-Taher is responsible for the on-site inspection of the contractor's means and methods for foundation excavation, steel piles, sub and superstructure reinforced concrete bridge items, drainage piping and structures; subgrade, subbase, DGABC, and bituminous paving in lifts; site clearing, deep steel pile foundations, steel reinforcement, Adesta fiber optic relocation and coordination, new culvert construction, HPC concrete for bridge deck and parapets, storm drainage, detention basins, soil erosion/sediment control measures, new traffic signals, electrical/ITS work, concrete curb and sidewalk, as-built quantities, traffic detours, night-time work/safety, temporary and permanent striping, pavement markers, maintenance and protection of traffic, roadway embankment, DGABC, and HMA base/surface courses; maintenance and protection of traffic, and nightwork. Client: NJTA

Interchange 17, Atlantic City Expressway; 2/09-11/10, $7.8M. Assistant Resident Engineer/Lead Inspector. GPI performed construction management and inspection services for Interchange 17 Ramp Improvements. SJTA announced plans in 2007 to add a third westbound lane from Exit 7 (Garden State Parkway) to Exit 31 (Route 73) on the Atlantic City Expressway. The length of roadway widening was approximately 24 miles, which is about half the length of the expressway. Interchange 17 (Route 50) is located in Hamilton Township, Atlantic County, and is less than a ¼ mile east of the Expressway's Egg Harbor Toll Plaza. The project included completing the missing ramp movements, widening the existing expressway bridge to allow for acceleration/deceleration lanes, installing new ramp, and constructing retaining walls to minimize impacts to surrounding wetlands. In addition, ramp lighting, roadway drainage, infiltration basins and landscaping was required. As part of the project, various improvements to Route 50 were also completed including the installation of two traffic signals where the ramps

intersect Route 50, resurfacing the roadway, and improvements to guide rail and lighting in the area of the interchange. During construction, Route 50 remained open. Improvements on Route 50 were partially funded by the NJDOT, therefore, SJTA and NJDOT specifications and requirements were followed. Since the interchange is in close proximity to the Egg Harbor Toll Plaza, staging and coordination during construction was critical. Existing traffic lanes on the expressway had to be maintained at all times. The 8.39-acre project site was located entirely within the Pinelands National Reserve and falls under the Pinelands Comprehensive Management Plan administered by the New Jersey Pinelands Commission. Duties included the on-site inspection of the contractor's means and methods for foundation excavation, steel piles, sub and superstructure reinforced concrete bridge items, drainage piping and structures, subgrade, subbase, DGABC, and (HMAC) bituminous paving in lifts, maintenance and protection of traffic, and nightwork. Client: SJTA

NJDOT Route 55 South of Lambs Road to Almonesson Creek, Townships of Mantua, Washington & Deptford, Gloucester County, NJ; 10/07-12/08, $9M. Inspector. This project consisted of the resurfacing of all lanes and shoulders and the associated on and off ramps for 9 miles of Route 55 in both the NB and SB roadways. The resurfacing consisted of 2-inch average depth milling and superpave hot mix bituminous paving operations. The project also included temporary and permanent traffic stripes application, and the removal and replacement of beam guide rail and some concrete curb. A Weigh-in-Motion (WIM) station was installed. The project was located within a heavily traveled corridor and required significant maintenance and protection of traffic (MPT). The milling, paving and striping operations were performed using nighttime operations while beam guide rail operations took place during the daytime. Duties included the on-site inspection of the contractor's means and methods for milling, reset heads, concrete curbs, surface preparation, and superpave items, subgrade, subbase, DGABC, and bituminous paving in lifts, maintenance and protection of traffic, and nightwork. Client: NJDOT

NJDOT Route 55 Resurfacing (Lambs Road to Leonard Cake Road); 8/08-3/09, $10M. Inspector. This project consisted of the resurfacing of all lanes and shoulders and the associated on and off ramps for 11 miles of Route 55 from Mile Post 40 to Mile Post 51 in both the NB and SB roadways. The resurfacing consisted of 2-inch average depth milling and superpave hot mix bituminous paving operations. The project also included temporary and permanent traffic stripes application, and the removal and replacement of beam guide rail. The project is located within a heavily traveled corridor and requires significant maintenance and protection of traffic (MPT). The milling, paving and striping operations were performed using nighttime operations while beam guide rail operations took place during the daytime. Duties included the on-site inspection of the contractor's means and methods for milling, reset heads, concrete curbs, surface preparation, and superpave items, subgrade, subbase, DGABC, and bituminous paving in lifts, maintenance and protection of traffic, and nightwork. Client: NJDOT

NJDOT Route 73 & Route 30 Berlin Circle Elimination, Berlin, NJ; 9/07, $40M. Inspector. The work consisted of the elimination of the circle on Routes 73/30 in Berlin. The project entailed noise wall installation, utility relocation, roadway construction on approximately 3 miles of road. This project required coordination with many businesses along Route 30 as well as the Atco train station for NJ Transit. Client: NJDOT

ASSIGNMENT

Senior Construction Inspector

EDUCATION

BSCE, International Harvardian University, 1980
MSCE, New Jersey Institute of Technology, 1989

REGISTRATION

NICET IV - Certified (Transportation and Highways)
OSHA 10 Hour Certified
AC I Level I, Structural Steel and Bolting Inspector

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Espinar has twenty-five years engineering experience as Senior Inspector, Senior Construction Engineer, Resident Engineer, Contract Administrator and Quality Assurance/Quality Control Auditor utilizing ISO 9000 and Port Authority of New York and New Jersey Quality Assurance Standard. In addition, he has extensive hands on experience in the Construction Management of Highways, Bridges, Tunnels, Railroads, Light Rail, and buildings, including retail malls and high rise offices.

- **Senior Inspector, Port Authority of NY & NJ, PA Bus Terminal** – Serving as Senior Inspector for night work for various projects at the bus terminal including CCTV installation, HVAC replacement, concrete slab replacement, and tenant work (TAA). Projects included multi-trade work such as civil, mechanical, electrical, and environmental. (4/11 – Present)

- **Senior Inspector, Port Authority of NY and NJ, Lincoln Tunnel** - Served as inspector for ventilation building modifications including roof repairs, doors, electrical upgrades; replacement of roadway at Toll Plaza, New Jersey Portals and approach ramps for compliance with plans and specifications. Also inspected replacement of tunnel catwalk booth and tunnel grouting and sealing work. (7/05 – 3/11)

- **Senior Inspector, Port Authority of NY and NJ, Holland Tunnel** - Responsible for inspection of installation of new fire standpipe and associated components through both tubes and vent buildings in the Holland Tunnel during night time operations. The scope of work consisted of 4-inch diameter pipe, siamese connections, reducers to 3-inch diameter pipe, brackets, supports, tile replacement, and connections in the ventilation buildings. Witnessed pressure tests conducted by Port Authority Risk Management and New York City Fire Department. (5/04 – 6/05)

- **Senior Inspector, Port Authority of NY and NJ, Lincoln Tunnel** - Responsible for inspection of contractor's activities, quality of work, and daily reports for rehabilitation of tunnel roadway, deck, and bridge approaches on Manhattan side. Scope of work includes partial deck repair, full deck replacement, and repair of steel and retaining walls. (11/01 – 4/04)

- **Quality Assurance Engineer, Port Authority of NY and NJ, Various Projects.** Responsible for monitoring contractor's work on various capital projects and rehabilitation of existing facilities including Lincoln Tunnel, Holland Tunnel, George Washington Bridge, JFK, LaGuardia, and Newark Airports, and Port Newark.

- **Superintendent/Project Engineer, New Jersey Transit, Kearny Connection Project.** Responsible for civil construction on this $72 million railroad project, including excavation, drainage, bed, and track.

- **Lead Civil Engineer, NYCDEP, Dewatering Facility, Water Pollution Control and Decomposed Building Project at Staten Island, New York.** Lead engineer for design of $82 million facility.

- **Resident Engineer/Construction Administrator, Sear Brown Group, Route 1 & 9 in Freehold, NJ.** Roads and bridges, and Freehold Mall, $113 million construction projects.

- **Project Engineer/Resident Engineer, SGS/United States Testing, Various Projects.** Projects included 17th States Street construction of 62 story office tower structural steel building in New York City. Construction of 24 story condominium reinforced concrete building, and Bellevue Annex Hospital construction and rehabilitation projects.

- **Resident Engineer/Project Engineer, Hi-Tri Development Corp.** Assigned to Philphos/Pasar Projects in Isabel Leyte Philippines. Construction of Philippine Phosphate and Smelting Plant in South East Asia. Administrative work experience includes hiring personnel, preparing consulting engineering contract, resolution to engineering design problem, verification of payments, costing, scheduling, and construction management.

ASSIGNMENT

Senior Construction Inspector

EDUCATION

BS, Construction & Contracting Engineering Technology, NJIT, Newark, NJ, 1994

CERTIFICATIONS

ACI Certified Concrete Technician, ACI Concrete Construction Special Inspector, NICET IV, 40 hrs. OSHA Safety Program, 40 hrs. Hazardous Materials Waste Training, Confined Space Safety Training

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Fernandez has 16 years of diversified experience in construction, including drainage, roadways, bridge rehabilitation, airport runways, transportation, and industrial facilities. He has performed multi-discipline construction inspection at Port Authority facilities, including PATH Hub at World Trade Center in Manhattan. Mr. Fernandez interfaced with general contractors, client representatives, material suppliers, and design consultants. He has been the lead inspector for over $300 million in construction projects and is familiar with T&M, unit cost, and lump sum delivery systems.

- **Senior Construction Inspector, Port Authority of NY & NJ, Term Agreement –**
  - > Newark Liberty International Airport, Rehabilitation of Taxiways A, B, PA @ D - Inspected $10 million contract involving rehabilitation of Taxiways A, B, PA @ D, including installation of Taxiway lighting systems, milling and repaving.
  - > Newark Liberty International Airport, Rehabilitation of Runway 4R-22L – Inspected $17 million contract involving rehabilitation of Runway 4R-22L, including installation of runway lighting systems, milling and repaving. (3/12 – Present)

- **Senior Construction Inspector, NYCDEP, Gowanus Pump Station, Brooklyn, NY** – Served as inspector for concrete specified in construction contracts. Conducted field inspection for conformance with NYC Building code and ASTM (4/10 – 2/12)

- **Construction Superintendent, Port Authority of NY & NJ, Various Projects** – Served as Superintendent for Tishman for security and capital improvement projects at various PATH facilities. (4/08 – 3/10)

- **Senior Construction Engineer/Inspector, Port Authority of NY & NJ, WTC PATH Hub** – Work on this multi- billion dollar project consisted of PATH facilities, PATH Terminal Building, underpinning of No. 1 Subway, Pedestrian connections, and LMDC facilities, infrastructure and tenant alterations to Tower No. 7. Performed daily inspections, site visits, and prepared daily narratives. (2/06 – 4/08)

- **Civil Engineering Manager, P & O Ports of North America, Inc., Port Newark Container Terminal ($15 Million)** - Coordinated with Terminal Operations for the construction of high impact/heavy load resistant pavement. Assisted yard & terminal operations with maintenance construction program and overall logistics. (6/05 - 1/06)

- **Lead Inspector/Field Engineer, Newark Liberty International Airport, Rehabilitation of Runway 4R-22L** – Inspected $17 million contract involving rehabilitation of Runway 4R-22L, including installation of runway lighting systems, milling and repaving. (2/04 - 6/05)

- **Lead Inspector, Port Authority of NY & NJ, Newark International Airport** – Lead Inspector for installation of contractors work to ensure compliance with plans and specifications, verified conformance with codes, regulations, and Port Authority guidelines. Provided oversight of the following major drainage projects:
  - > *$27 Million, North Area Drainage Western Section of Brewster Road Major Drainage Relocation and Street Reconstruction* including construction of 2,700 feet of double barrel 5' high by 7' wide drainage culvert, 1,600 feet of drainage pipes with diameters up to 72, 84, and 90 inches; reconstruction of the Brewster Road corridor including, water mains, curbs, sidewalks, street lighting and salt splash paving stones; and hazardous materials handling and disposal in accordance with environmental guidelines.
  - > *$41 Million, North Area Drainage Taxilane UA and Associated Apron* involving the installation of aircraft rated concrete, plus the construction of a peripheral ditch headwall, the installation of 1,100 feet of 90 inch pipe, 600 feet of 66 inch pipe, water mains, curbs, sidewalks and street lighting. Contract also involved hazardous materials handling and disposal in accordance with environmental guidelines.
  - > *$19 Million, Major Drainage Construction & Taxiway Z Relocation* involving the relocation of Taxiway Z, including installation of lighting, 5' high by 7' wide drainage culvert, concrete and asphalt paving. (7/02 - 6/05)

- **Lead Inspector/Office Engineer, Newark Airport Central Terminal Area Bridge and at Grade Roadway ($45 million)** - Contract provided for the construction of a new bridge and at grade roadways, including new storm drainage pipes, underground utilities, walkway canopies, curbs, sidewalks and street lighting and new entrance and exit toll plazas @ CTA hourly & daily parking for revenue control. (5/01 to 5/02)

- **Lead Inspector/Office Engineer, Port Authority of NY & NJ, Newark International Airport** – Lead Inspector for installation of contractors work to ensure compliance with plans and specifications, verified conformance with codes, regulations, and Port Authority guidelines. Provided oversight of the following projects:
  - *$3 Million, Rehabilitation of Expressway Exit Roadways* involving the rehabilitation of bridge decks, spall repairs, removal and replacement of expansion and contraction joints. Waterproofing the bridge decks and milling and paving, while maintaining vehicular traffic exiting the airport.
  - *$2.5 Million, Rehabilitation of Terminals A, B, & C Arrivals Ramps* involving the rehabilitation of bridge decks, spall repairs, removal and replacement of expansion and contraction joints, and waterproofing bridge decks, and MPT. (7/00 to 5/01)

- **Lead Inspector, WTC 5 World Trade Center Standby Power ($53million)** - Construction of a 13.5KV emergency standby power generator plant on the roof of 5 World Trade Center linked to substation on WTC level B6 and to new 5KV substations up to the 42nd, 78th and 108th floors of Towers 1 and 2. Performed floor to floor inspection for electrical conduit, cable, and systems, intermediate substations, tie-ins on level B6 and emergency generator equipment. (2/98 to 7/00)

Fernando Flores
Chief Inspector

Professional Profile
Mr. Flores is an inspector with the following experience in the inspection of bridge reconstruction projects.

Project Experience
Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 12/12-Present. Chief Inspector. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Mr. Flores' responsibilities include monitoring MPT; compliance with MUTCD on job site; and inspection of the survey operation and baseline measurements of the existing structural steel framing to ensure proper fit of new steel orthotropic deck panels. Client: Triborough Bridge and Tunnel Authority

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2001/ACI Concrete Field Technician Grade 1
2003/NACE Coating Inspector Level 1 - Certified
2010/NICET IV

Course Work
2009 - 10-Hour OSHA Training Course
2005 - Keys to Durable Concrete Course – Exterior Flatwork
2000 - SSPC C-3 Supervisor/Competent Person Training for Deleading
NYSDOT - Traffic Control Training Seminar
The Joint Urban Manpower Program – Construction Inspectors

Total Years Experience 16

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 1/10-12/12. Inspector. This $149-million project involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Flores' responsibilities included the inspection and oversite of wire rope suspender removal and replacement; main cable rehabilitation such as unwrapping, wire repairs, compaction and rewrapping; coordination and communication with the contractor who is performing daily traffic lane changes such as traffic flow reversals and HOV; writing daily reports which includes estimates for completed work; surface preparation and painting of structural connections; tensioning and recording of cable band bolts torque; removal and replacement of main cable handrope and necklace lighting systems; installation of temporary work platforms along the main cables and under the roadways; and reinforcement of track stringers. Client: New York City Dept. of Transportation

Verrazano-Narrows Bridge Rehabilitation of Structural Steel Repairs, VN-32, New York, NY; 4/09-12/09. Inspector. This project involved construction administration, on-site inspection, and testing and support services. The project also included repair of deteriorated subfloorbeams, stringers, stiffener/connection plates, cracked/broken missing welded connection plates, reinforced deteriorated stringer top flange and removal and replacement of deteriorated bolts, rivets, and drainage piping. Mr. Flores' responsibilities included conducting surveys of the contractor's MPT activities, observing proper placement of temporary traffic control devices, channelization equipment and required signage maintained by the contractor. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation, BW-85/86/WBM-339, Bronx, NY; 5/08-4/09. Inspector. This project involved construction management and inspection services for coating removal and application and cable/suspender rehabilitation for Project BW-85/86/WBM-339, Select Cable Panel Opening/ Suspender Rope Removal and Replacement and Painting at the Bronx-Whitestone Bridge. Mr. Flores was responsible for the inspection of the tower temporary scaffold system. Client: Triborough Bridge and Tunnel Authority

Fernando Flores
Chief Inspector

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 2/04-5/08. Mr. Flores was an inspector on this $150-million project that involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge in suspended and approach spans; and repair of flagged conditions. He was responsible for the inspection of anchorage chamber concrete floor replacement, grout injection for wall crack sealing and vertical and overhead wall patch repairs. Client: New York City Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York; 2/01-2/05. Mr. Flores was an inspector on this $175-million project that involved rehabilitation of the north upper roadway approach and suspended spans; installation of a new north side bikeway; replacement of the north side truss bearings on the approaches; repainting of the north half of the bridge including the cables and trusses; and installation of an Intelligent Traffic System (ITS) including CCTV's. He was responsible for the inspection of and removal/replacement of subway stringers and floorbeams, north upper roadway replacement, truss bearing replacement and truss repairs. Client: New York City Dept. of Transportation

Manhattan Bridge Reconstruction, Painting and Interim Rehabilitation, Contract #BRC1568C, New York, NY; 1/98-10/01. Inspector. This $124-million project involved the rehabilitation of the Manhattan plaza area, Manhattan Arch and Colonnade; replacement of the structural steel stringer and floorbeam support system for the west side subway tracks; replacement of truss bearings on top of the piers of both approach spans; rehabilitation of eyebars anchoring one of the main suspension cables; and removal of existing paint from the entire west side, both towers and two main cables, and replacing with new coating. Mr. Flores' responsibilities included the inspection of subway floorbeams, stringers, track removal and installation, lead paint containment and removal, bridge jacking, concrete testing, multirotational truss bearing replacement, grid deck installation, concrete and asphalt placement, concrete and steel barrier. Client: New York City Dept. of Transportation

Dawn Garcia, E.I.T.
Inspector

Professional Profile
Ms. Garcia is an inspector with the following experience.

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 9/12-Present. Inspector. This project involves construction management and inspection services for the $500-million rehabilitation of this iconic national landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Ms. Garcia is responsible for reviewing and understanding drawings and specifications; creating daily inspection reports to document progress of work completed; taking field measurements to ensure that contractor work is done as per the drawings and specifications; and using field measurements to make payments for work completed. Ms. Garcia's responsibilities include ensuring the verification of compliance with shop and contract drawings as well as Engineering Clarification Memo's (ECM's) for construction activities of the rehabilitation and reconstruction of the Brooklyn Approach Spans, including: demolition of existing decks and the installation of new grid deck panels at Main, York, Washington and Prospect Streets as well as the Maintenance Shop; concrete placement of Brooklyn Approach Spans including the verification of concrete compliance to ACI and NYSDOT standard specifications with ACI concrete testing methods; installation of reinforcement to concrete sections at the Maintenance Shop, Washington and Prospect Streets; and superslab installation at the Brooklyn Approach Arch Blocks. Ms. Garcia had special focus on the reconstruction of York and Main Streets in which her responsibilities included: installation of temporary shoring; demolition and reconstruction of the cap beams and backwalls; demolition of existing concrete decking; removal of existing steel framing including proper disposal techniques for environmental concerns; installation of new steel framing including checking bolted connections for steel connections; installation of new grid deck panels with proper additional reinforcement for concrete placement; and concrete placement and conformance to ACI and NYSDOT standard specifications. Client: New York City Dept. of Transportation

New York City Dept. of Transportation, Department of Bridges: When and Where Unit, New York, NY; 6/12-9/12. As an intern, Ms. Garcia was able to participate in site visits to assess possible safety hazards and structural deficiencies; she created flags on the internal system to request authorization for work on safety hazards and structural deficiencies; reviewed contractor's labor-material-equipment sheets against backup materials to ensure payments are accurate; processed payments within the internal system and monitored budget with work progress.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2012/Engineer In Training/NJ
2013/ACI Concrete Field Testing Technician Grade 1
2014/FHWA Safety Inspection of In-Service Bridges

Education
BE/2012/Engineering

Course Work
2014 - Safety Inspection of In-Service Bridges NHI Certificate of Training
2012 - 10-Hour OSHA Construction Safety & Health
Relevant Coursework: Bridge Design Structures Engineering; Coastal Engineering; Engineering Design; Fluid Mechanics; Geotechnical Engineering; Introduction to Environmental Engineering; Labor Relations; Mechanics of Solids; Modeling and Simulation; Multi-Hazard Engineering; Reinforced Concrete Design; Structural Analysis; Structural Steel Design; Transportation Engineering Design; Water Resources Engineering

Total Years Experience 2

Dawn Garcia, E.I.T.
Inspector

Senior Design Project Sponsored by LAN Associates, Hoboken, NJ; 9/11-5/12. This project involved the Mission Church Expansion. Ms. Garcia was responsible for meeting with engineers of LAN Associates at least once a month to discuss proposed layout possibilities for church parking lot; designing stormwater system; and presenting designs to LAN Associates and advisor. She had to consider the environment (wetlands), aesthetic integrity, zoning codes and geotechnical concerns while working on this project.

Stevens Institute of Technology, Hoboken, NJ; 1/11-5/11. Intern. Ms. Garcia was involved and design of an office building. She was responsible for selecting necessary beams, columns, and other structural components using the AISC and ASCE Manuals; and creating models of and analyzing the building using Autodesk software.

Stevens Institute of Technology, Hoboken, NJ; 8/08-5/12. As part of the event management staff, Ms. Garcia was responsible for setting up fields to ensure games started on time; broadcasting and taping sporting events for the online community and coaches; and recording game statistics for the coaches and administration.

Stevens Institute of Technology, Hoboken, NJ; 8/11-11/11. As a facilities department intern, Ms. Garcia organized New Jersey Dept. of Environmental Protection reimbursements for campus projects.

Skills
Languages: MATLAB
Software: MS Office '07, Autodesk Revit Architecture 2011, Autodesk Revit Structure 2011, Autodesk Robot Structural Analysis Professional 2011, SolidWorks, AutoCAD Civil 3D, MATLAB 2011b
Lab Skills: EDM, level

Nelson Garcia
Resident Engineer

Professional Profile
Mr. Garcia holds a B.S. Degree in Civil Engineering Technology qualifying as a NICET IV Senior Inspector. He also completed the National Association of Coating Engineers (NACE) coating inspector program with full certification for over six years and has over 15 years experience as a painting and structural steel inspector. Mr. Garcia served as a Chief/Senior Inspector on multiple NYCDOT/NYSDOT projects. His responsibilities include management and coordination of staff inspectors, quality assurance oversight and coatings inspections, structural steel assessments and coating recommendations

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2012/Rutgers TCC Refresher
2013/ACI-Concrete Field Testing Tech. - Grade 1
2009/Rutgers Work Zone Safety
1998/NACE Certified Coatings Inspector
2008/SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures

Education
BS/2012/Civil Engineering Technology; AAS/Civil Engineering Technology

Course Work
2010/OSHA 10 Hour Construction Industry
2008/OSHA 30 Hour Training
NYC & NYS Asbestos Handling Certification
G35 FONY Air Compressor Certification

Total Years Experience 15

Project Experience
NJDOT Region North Multiple Bridge Cleaning and Painting Projects, Interstate Bridge Painting Contract Route I-280, Contracts 1 ($8M) and 3 ($6M) , and Route I-80, Contract 2 ($7M), Essex County, NJ; 7/09-Present. Resident Engineer. The bridge painting projects involve the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved paint system. The projects incorporate traffic control on a high speed highway, staging, and environmental (Lead Abatement) constrains unique to repainting on major urban bridges. The construction services contract involves the managing of four separate painting contracts with three independent painting contractors. Extensive coordination is done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities are addressed for structures that span local streets. The contractors are Allied Painting and ANKA Painting. Client: NJDOT.

Roosevelt Island Bridge, New York, NY; 6/08-7/09. Chief Inspector. Mr. Garcia is responsible for managing field inspection staff and performing quality control/assurance painting inspection tasks, lead paint and environmental issues. During non-painting activities responsibilities include oversight of structural steel removal and replacement including placement of new roadway concrete pre-cast panels. Assisted with material testing of concrete during concrete placement.

Multiple NYCDOT Painting Projects, NY; 5/03-5/08. Chief Inspector. Mr. Garcia was responsible for managing field inspection staff and scheduling for auditing multiple NYCDOT painting projects. Example projects include the Williamsburg Bridge, Manhattan Bridge, Queensboro Bridge, Brooklyn Bridge, Riker's Island Bridge, and multiple smaller bridges throughout the city. This project incorporates traffic control, staging, and environmental constrains unique to repainting on major urban bridges.

PANYNJ, Newark Liberty International Airport, Newark, NJ; 5/03-7/03. NACE Coating Inspector. Mr. Garcia provided part-time inspection for the internal lining of multiple fuel tanks at Newark Liberty International Airport. Mr. Garcia was responsible for all QA inspection tasks, communications with the Port Authority's consulting firm, and oversight of contractor holiday testing and coating repairs. He reported directly to the PANYNJ Materials Engineer.

Nelson Garcia
Resident Engineer

TBTA, Marine Parkway Gil Hodges Memorial Bridge, New York, NY; 4/02-2/03. NACE Coating Inspector/Chief Painting Inspector for the rehabilitation of the Marine Parkway Gil Hodges Memorial Bridge. Mr. Garcia was responsible for all QA inspection tasks, lead paint, and environmental issues. He reported directly to the Resident Engineer. He coordinated daily inspection tasks with the environmental oversight inspector(s) and was responsible for the inspection of multiple crews at the facility.

TBTA, Marine Parkway Gil Hodges Memorial Bridge, New York, NY; 3/00-3/02. Structural Steel/NACE Coating Inspector/Field Inspector for the rehabilitation of the Marine Parkway Gil Hodges Memorial Bridge. Duties included oversight of structural steel removal and replacement, and placement of new roadway including concrete overlay. Also, inspected the installation of new roadway drainage systems that included roadway scuppers, and new down spouts and storm drains. Other responsibilities included monthly progress payments, processing change orders and submittals of daily inspection reports.

Fuel Oil Storage Tank Projects; Onaco, Venezuela; 12/99-2/00. NACE Coating Inspector. Mr. Garcia was the SFD representative for the recoating and structural improvement of fuel oil storage tanks. He was responsible for surveying all tanks and inspecting all work in accordance with the specifications.

TBTA, Marine Parkway Gil Hodges Memorial Bridge, New York, NY; 7/99-12/99. NACE Coating Inspector/Field Inspector for the deck replacement and rehabilitation of the Marine Parkway Gil Hodges Memorial Bridge. This project incorporated multiple work trades in a congested construction site. All work was performed from barges on Jamaica Bay.

NYSTA, Multiple Bridge Cleaning and Painting Projects, Central Valley, NY; 5/99-6/99. NACE Coating Inspector. Inspected the cleaning and painting of 16 bridges in the New York Division. This project incorporated high volume/speed MPT work and frequent night work.

Massachusetts Highway Department, Colrian-Franklin Hill Road Bridge, Springfield, MA; 8/98-4/99. NACE Coating Inspector for the repainting of the Colrian-Franklin Hill Road Bridge. This project incorporated coordination with the Mass Highway Engineering Staff for the bridge rehabilitation.

City of Ossining, Water Storage Tank Projects, Ossining, NY; 5/98-7/98. Coating Inspector for the City of Ossining. Lead paint abatement and re-coating of water storage tank interior lining and exterior coatings.

William Godfrey
Senior Inspector

Professional Profile

Mr. Godfrey is a highly-competent construction inspector/office engineer with in-depth experience in bridge and highway construction and rehabilitation, drainage improvements, paving, utility relocation, and site development. He has in-depth knowledge of various drainage features and their construction. During various field assignments, he has obtained significant experience in the locating and collection of various data of drainage and other infrastructure appurtenances in the field.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2010/NICET IV

Education
BS/1975/Biology

Course Work
2014 - NYSDOT Field Inspection of Portland Cement Concrete
2014 - ACI Concrete Field Testing Refresher Course
2014 - NYCDOT Concrete Inpsetion, Testing and Acceptance Protocol
2008 - 10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training
2006 - ACI Concrete Field Testing Technician Grade Level I Trained
2000 - SSPC C-3
2000 - Traffic Work Zone Safety Training Course – GPI

Total Years Experience 36

Project Experience

Belt Parkway Bridges REI Services - Gerritsen Inlet Bridge, Brooklyn, NY; 4/14-Present. Senior Inspector. This $104.5-million project involves total replacement of Gerritsen Inlet Bridge on the Belt Parkway in the Borough of Brooklyn. The major work includes removal and disposal of main spans including concrete deck, steel girders, floor beams and stringers, approaches, concrete superstructure, closure walls, timber piles, concrete piers, pier caps, columns, abutments, wingwalls, street lighting, transformer room, transit ducks, steel conduits, navigation lights, and trees and vegetation. Mr. Godfrey's responsibilities include inspection of field operations – outfall construction: trenching, cofferdam dewatering, testing and driving timber piles, laying 42"DIP pipe for rain storm sewer, pipe encasement per DEP standard between drainage structures; bridge abutment reinforcement installation and computation of pay quantity, concrete testing, recording and computing pay quantity; emergency pothole repairs on the Belt Parkway; and inspecting building of approaches as per plan and specifications of the contract. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Contract #HBK1091, Brooklyn, NY; 5/11-4/14. Senior Inspector. The project involved the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and superstructures, including the abutments, wingwalls, and pier columns and footings; installation of a new single-span replacement bridge consisting of a multi-stringer superstructure with reinforced concrete deck and superstructure, including reinforced concrete abutments and wing walls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadway and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage, and planting. Mr. Godfrey was responsible for the inspection of the demolition of the existing structure and installation of temporary supports; installation of precast drainage structures and connecting piping; structural excavation and backfill; installation of cast-in-place concrete piles; erection of form work for abutment structures; installation of reinforcing steel and placement of structural concrete and concrete pavement; electrical work for underdeck lighting; installation of timber guiderail; installation and removal of steel sheeting; excavation and grading for the Best Management Practices Area (part of the drainage work); and placement of structural steel (bridge girders) and bearings. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 5/10-5/11. Senior Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures were new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation: Mr. Godfrey was responsible for inspection of sewer force main installation, drainage installation, embankment-in-place installation and removal, structure evacuation and rebar placement. He also inspected the preparation for and placement of structural concrete for the east and west abutments of the eastbound Belt Parkway, and inspected back filling operations. Client: New York City Dept. of Transportation

William Godfrey
Senior Inspector

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 9/05-9/09. Mr. Godfrey served as senior inspector for this $138-million project that involved construction engineering and inspection for the widening, redecking and repainting of this viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume major interstate urban highway/bridge included replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. The project also included extensive coordination with agencies and local communities. Mr. Godfrey's responsibilities included inspection of demolition of reinforced concrete bridge decks and structural steel; installation of temporary deck supports; and installation of a temporary highway lighting system including poles, supports and wiring. Mr. Godfrey inspected steel work including removal and replacement of fascia girders, removal and replacement of expansion bearings, structural lifting operations, seismic retrofitting repairs and installation of the downspout system. Client: New York State Dept. of Transportation

Long Island Expressway - Grand Central Parkway to Van Dam Street Reconstruction Management, Contract #D257842, Queens County, NY; 10/01-11/02. Mr. Godfrey served as an inspector for this $221-million project which involved construction engineering and inspection services for the rehabilitation of the Long Island Expressway, from the Grand Central Parkway to the Queens-Midtown Viaduct, involving approximately seven miles of highway and 25 bridges. The project consisted of the removal and replacement of the asphalt roadway, installation of an Intelligent Transportation System, installation of retaining walls, noise barriers, reconstruction of bridge decking, painting of the ramps and bridge structures, landscaping, and MPT. Mr. Godfrey's responsibilities included inspection of: asphalt paving; demolition and construction of bridge abutments; bridge deck installation (rebar and concrete placement); new steel for bridges; installation of pre-cast and cast-in-place median barrier; bridge deck joint repairs; sign structure footings; concrete pavement repairs; installation of downspouts for scuppers; retaining wall construction; and concrete pavement placement on grade and on structure. Client: New York State Dept. of Transportation

Robert F. Kennedy (Triborough) Bridge Rehabilitation of Suspension Cables - TB-17, Queens, NY; 3/99-12/99. Mr. Godfrey served as an inspector for this $9.5-million rehabilitation of the main suspension cables. The project included installation of temporary suspended footwalks, removal of existing wire wrapping, cleaning, wedging, applying corrosion inhibitor, wire repair splicing and compaction of main cables, coating main cables with red lead paste, cable rewrapping and paint application along with cable band bolt tightening and replacement. Client: Triborough Bridge and Tunnel Authority

Roslyn Viaduct, Route 25A, Underdeck Netting, Contract #D257571, Roslyn, NY; 6/98-11/98. Mr. Godfrey served as senior inspector on this $1.4-million project that involved the removal of timber shield, removal of loose and delaminated concrete and the installation of underdeck safety netting over heavily traveled West Shore Road, Bryant Avenue and Hempstead Harbor. The project entailed the removal of an existing timber shield on the side spans of the 700-meter viaduct. The full length of the underside of the deck, including the main span over Hempstead Harbor, was sounded and structural repairs made as required. After completion of repairs, 14 bridge joints were blast cleaned and painted using moisture cured polyurethane paint. Upon completion of the painting operation, a safety netting system of approximately 13,000 m2 was installed. Mr. Godfrey's responsibilities included inspection of timber shield removal, and sounding of removal of delaminated concrete from the underside of the deck. Client: New York State Dept. of Transportation

Queens-Midtown Viaduct Inspection, Contract #D253037, Queens, NY; 1993-1995. Mr. Godfrey served as construction inspector on this $115-million project, an elevated section of the Long Island Expressway (I-495), which involved inspection of new steel work and the rehabilitation and repair of existing steel. The project involved construction inspection of structural steel and concrete deck replacements, removal of existing rocker expansion, sliding steel bearings, seismic pot bearings, bridge painting, steel bent repairs, drainage and environmental considerations. His responsibilities included inspection of ironworkers for removal and replacement of steel members, relocation of working platforms, installation of new steel members, repairs of existing steel, preparation of quantities for monthly estimates, and removal and replacement of bearings and replacement of tie-downs. Client: New York State Dept. of Transportation

Washner Guerrier
Inspector

Professional Profile
Mr. Guerrier has seven years of experience in construction inspection on various NYSDOT projects including bridge, highway, and MPT work.

Proposed Project Assignment
Civil/Structural Inspector

Education
BS/2010/Civil Engineering

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness

Total Years Experience 9

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 9/13-Present. Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Guerrier is part of the segmental approach span team and is responsible for inspection of pre-cast segmental pier and roadway installation. This work requires that specific systematic sequences are followed when installing segments, pulling tendons, post tensioning and performing epoxy and grouting operations. In addition, Mr. Guerrier is also responsible for inspection of installation of drainage structures for water, sanitary and storm water systems, installation of pre-cast MSE walls and cast-in-place concrete retaining walls. Client: Port Authority of NY & NJ

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, Contract #HBK1091, Brooklyn, NY; 8/12-9/13. Inspector. The project involved the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and superstructures, including the abutments, wingwalls, and pier columns and footings; installation of a new single-span replacement bridge consisting of a multi-stringer superstructure with reinforced concrete deck and superstructure, including reinforced concrete abutments and wing walls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadway and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage, and planting. Mr. Guerrier was responsible for overseeing all activity performed by the contractor to make sure that all work performed was in compliance with contract drawings and standard specifications. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 8/12-9/13. Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures were new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi-column piers on new pile foundation. Mr. Guerrier was responsible for monitoring the contractor's activity to ensure that all work performed was in compliance with standard specifications and contract drawings. Client: New York City Dept. of Transportation

Maintenance Bridge Repair, D260401, Pin XM06.51, Various New York City Counties, NY; 1/08–11/10. Inspector. Mr. Guerrier inspected several activities including replacement of an existing armored deck joint with an armorless bridge joint system, repair and replacement of bearings and diaphragms of several bridge structures, repair of corroded steel bridge members, erection of steel structure to ensure correct placement, surface preparation, and the steel painting. Work also included inspection of concrete for pavement and for bridge deck. Mr. Guerrier inspected milling of existing asphalt pavement on approach slab and bridge deck and asphalt placement, repair of spalls and cracks at abutment backwall, parapet wall, pier column and sidewalks, and application of waterproof membrane to bridge deck and application of protective sealing to different bridge components such as pier columns, abutment backwall, and concrete barriers. He was also responsible for estimating quantities, review of payment requests, updating daily work assignment sheets and monthly book reports, as well as calculating actual construction quantities for payment purposes. Client: New York State Dept. of Transportation

Washner Guerrier
Inspector

Route 9A, When and Where II/Emergency Repair, Maintenance, D259986, Pin X759.82.323, NY; 4/07–12/07. Inspector. Mr. Guerrier was part of the team inspecting all repairs along Route 9A relating to damages caused by the attacks of September 11, 2001. This included inspection of partial and full depth pavement repair and recording of time and materials used by contractor for lamp posts/light pole retrofit. He was also responsible for estimating quantities, review of payment requests, updating daily work assignment sheets and monthly book reports, as well as calculating actual construction quantities for payment purposes. Client: New York State Dept. of Transportation

Route 9A, Bikeway/Walkway Improvements, D259652, Pin X024.43.321, NY; 4/06–12/06. Inspector. Mr. Guerrier was responsible for inspection of catch basin installation and drainage, as well as erection of low profile concrete barriers, asphalt paving, traffic light pole foundations, relocation of traffic light poles, installation of pipe rail fence, landscaping, and pavement striping. He was also responsible for estimating quantities, review of payment requests, updating daily work assignment sheets and monthly book reports, as well as calculating actual construction quantities for payment purposes. Client: New York State Dept. of Transportation

Route 9A, Intelligent Transportation System (ITS), D258617, Pin X024.39.321, NY; 4/05-12/05. Inspector. Mr. Guerrier assisted with the inspection of the installation of different ITS equipment, which included Video Message Sign (VMS), CCTV camera, Variable Image Detection System (VIDS) cable splicing and pull boxes, equipment installed at different HUB cabinets, erection of multiple sign structures, single and double cantilever signs, as well as inspection of torque test performed on bolts used for sign structures. He also inspected basic MPT to ensure that the work zone was safe and traffic lane closure was done properly. He was also responsible for estimating quantities, review of payment requests, updating daily work assignment sheets and monthly book reports, as well as calculating actual construction quantities for payment purposes. Client: New York State Dept. of Transportation

Anthony Haran
Inspector

Professional Profile
Mr. Haran is an inspector with the following experience.

Project Experience

Proposed Project Assignment
Civil/Structural Inspector

Education
BS/2012/Business Management

Course Work
2014 - 10-Hour OSHA Hazard Recognition Training, #UCSD-8689594

Total Years Experience 2

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/14-Present. Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Haran is responsible for the inspection of the laboreres and irownworkers who are preparing for the girder removal at the main street bring along with the MURK paperwork that goes with the various operations. Client: New York City Dept. of Transportation

NYC Rapid Repairs, Breezy Point, NY; 1/13-2/14. Data Analyst. Mr. Haran analyzed and recorded data on various New York City rapid repair projects.

El Sol Contracting, Maspeth, NY; 6/11-9/11. Assistant Equipment Manager. Mr. Haran assisted the equipment manager in providing construction materials and resources to several multi-million dollar projects in New York City; scheduled and tracked equipment repairs, purchased and distributed construction materials; and organized the equipment yard.

HAKS Engineering, New York, NY; 6/10-8/10 and 7/09-9/09. Assistant Lab Technician. Mr. Haran assisted the lab technicians in the testing of concrete and soil for various New York State construction projects. He also maintained lab equipment, the testing area, and clients' paperwork.

Skills
Microsoft Office Programs

ALEEF HASSAN

Field Engineer

Mr. Hassan is an experienced construction and safety inspector who has provided construction inspection and field engineering duties on projects that have included facilities and infrastructure. He excels at managing contractor staff, supervising construction workers and inspecting site construction and materials for compliance with design specs, construction codes, and health and safety programs.

Key Qualifications

✓ Previous Site Inspection Experience

Education

- MS, Construction Management, University of Cincinnati
- BS, Civil Engineering, National Institute of Technology, India

Registrations

- OSHA 10 Hour
- American Concrete Institute (ACI) – Level I Technician

Memberships

- American Society of Civil Engineers
- American Concrete Institute

Software

- Primavera P5
- AutoCAD
- STAAD Pro
- MS Project
- MS Office

Publications

- *Reuse of Petroleum Contaminated Soil in Construction, Environmental Protection Agency Journal*

New York City Department of Design and Construction (NYCDDC) – Various Projects – New York, NY
Construction Inspector

Mr. Hassan coordinated the inspection of catch basins, water mains, sanitary and storm sewers, sidewalks and curbs, ramps, utility poles, and pavement restoration and construction projects in the boroughs of Manhattan and the Bronx. He supervised and inspected contractors to ensure work was in compliance with contract documents and specifications and issued deficiency reports on work not performed to specifications. Additionally, he enforced all safety guidelines outlined by OSHA and ensured that all workers had proper safety equipment and training.

Mr. Hassan supervised utility placement including Con Edison electric cables and boxes, gas main, transformers and telephone cables and surveyed various locations to identify the scope of work and prepared drawings for various agency approval.

In addition, Mr. Hassan prepared progress reports of construction performed and measured quantities of each item employed by various contractors for partial and full payment. He ensured on site quality control by performing tests on soils, concrete and other construction materials. He provided Maintenance and Protection of Traffic (MPT) plans for contractors and coordinated to ensure work zone traffic control and site safety.

Department of Civil Engineering, University of Cincinnati – United States Environmental Protection Agency (EPA) – Cincinnati, OH
Research Assistant

Performed research focused on analysis and design of pavements using contaminated soils, and collaborated with EPA scientists to analyze physical and chemical properties of contaminated soil and its possible reuse in pavement construction.

Research concluded that contaminated soil can replace a specific percentage of fine aggregates in asphalt concrete mix, satisfying various agency requirements. Study report submitted to Ohio Department of Transportation (ODOT), for further study and environmental impact assessment, and co-authored two journal papers which were submitted for publication.

Unitech, Ltd. – Various Projects – Bangalore, India
Civil Engineer

Responsible for managing laborers, equipment and materials ensuring that all resources were properly deployed to complete the work; he supervised and trained a crew of 50 workers and provided them project targets and benchmarks. He performed inspections of civil work including earthwork, reinforced concrete foundation, piling for foundations, concrete trenches, underground pipes and utilities. Prepared inspection reports and reported non-conformance to the senior management. Prepared and edited construction drawings using AutoCAD. Performed resource management and quantity estimation and assisted in project planning and scheduling.

MOHAMMAD IMRAN

Inspector

Mr. Imran is experienced at working as an inspector overseeing contractors that are performing concrete, earth works, demolition, abatement, and other general construction work. He is a certified ACI Level I Concrete Tester, Soil and Asbestos Inspector.

J. C. Broderick & Associates, Inc. – Nassau & Suffolk Counties, NY
Building Inspector

He has numerous years of experience leading teams in building inspections and construction site supervision. Four years of managerial experience in supervising team of inspectors and handling contract deadlines, budget limits, state and federal requirements. He conducted building inspections for Public School Districts throughout Nassau and Suffolk Counties for AHERA and Asbestos protocol. Worked extensively in almost every school district in Nassau and Suffolk counties and is experienced in concrete and soil testing.

Indus Construction Services, Inc. – New York, NY
Construction Project Manager

Lead Project manager for $200,000+ construction projects and Project Manager for numerous projects awarded by NYC OGS (Bayview Correctional Facility, NYU surgical center, Staten Island Psychiatric Ward). Vast experience in Bidding processes. Responsible for field and office supervision.

Over three year of full-time professional experience in procurement of goods, services and construction. Three years of administrative experience in contract negotiation and management.

Experience with city agencies such as SCA, DCAS, and DASNY.

John P. Ferrantello, Land Surveying Co. Garden City Park, NY
Draftsman/ Field Technician

Learned the details of drafting numerous types of surveys such as stake out surveys, surveys for the conveyance of title, building department surveys, cell sites, etc. Oversaw entire surveying and field work teams.

Education
- BS, Civil Engineering, City College of New York

Registrations
- Certified Concrete Tester ACI level I
- Certified Asbestos Inspector
- NYS Certified Soil Inspector
- OSHA Certificate

Software
- AutoCAD
- MS Office
- Adobe Acrobat

PACO Group

Steven Jones
Chief Inspector

Professional Profile
Mr. Jones is a senior construction inspector with the following experience.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2005/NICET IV
1986/NYSDOT Maintenance & Protection of Traffic Certified/NY
2005/ACI Concrete Field Technician Grade 1

Education
AS/1996/Civil Engineering Technology

Course Work
2005 - 30-Hour OSHA Construction Safety & Health Training Course, #600090077

Total Years Experience 29

Project Experience

Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 10/11-Present. Chief Inspector. The $110-million project involved construction management and inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work included installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. Mr. Jones' responsibilities included the relocation of the children's play area within Francis Lewis Park. Both the client and the community were extremely pleased with the play area relocation. Client: Triborough Bridge and Tunnel Authority

Belt Parkway Tidal Wetlands Mitigation, Borough of Brooklyn, NY; 4/11-10/11. Office Engineer/Inspector. This was a tidal wetland mitigation project. The designated wetland mitigation area consisted mostly of unvegetated intertidal wetland that was littered with construction and demolition debris and other fill material which included, but was not limited to, concrete blocks, deteriorated bulkheads, a boat, and a concrete bunker. Patches of existing vegetated intertidal wetland consisting of Spartina Alterniflora were also found within the project site. Mr. Jones was responsible for all of the field work including daily inspection and reports; establishing filing system; logging and filing all correspondence; preparing quantities; review of contractor's quantities; preparation of monthly estimates; and preparation of meeting minutes. Client: New York City Dept. of Transportation

Verrazano-Narrows Bridge Rehabilitation of Structural Steel Repairs, VN-32, New York, NY; 1/09-4/11. Assistant Resident/Office Engineer. This project involved construction administration, on-site inspection, and testing and support services. The project included repair of deteriorated subfloorbeams, stringers, stiffener/connection plates, cracked/broken missing welded connection plates, reinforce deteriorated stringer top flange and remove and replace deteriorated bolts, rivets, and drainage piping. Mr. Jones was responsible for all of the field work including daily inspection and reports; establishing filing system; logging and filing all correspondence; preparing quantities; review of contractor's quantities; preparation of monthly estimates; and preparation of meeting minutes. Client: Triborough Bridge and Tunnel Authority

Replacement of Brooklyn Bridge Travelers, Contract #BRC270TA, Boroughs of Manhattan and Brooklyn, NY; 9/07-1/09. Chief Inspector. This project included the replacement of four movable maintenance platforms (travelers) with a state-of-the-art mechanical driven traveler system, the replacement of the traveler rails, hangers and connections, localized lead paint removal, and the replacement of the electrical system. Mr. Jones was responsible for the daily coordination of the contractor's activities on the bridge with NYCDOT and the coordination of personnel inspecting work to install temporary access platform, demolish and remove the existing travelers, install new traveler guide rail, conductor rail and four new travelers. Client: New York City Dept. of Transportation

Rehabilitation of the 2nd Avenue and 36th Street Overpass Bridges at the Queens Midtown Tunnel, QM-82, New York, NY; 7/06-9/07. Chief Inspector/Office Engineer. This project involved providing professional construction management services for the rehabilitation of the 2nd Avenue and 36th Street Overpasses. Work included a variety of different tasks including concrete repairs, cleaning and painting of structural steel, installing new underdeck lighting, new netting, and asbestos abatement. Mr. Jones' responsibilities included coordinating all field activities and assigning inspection staff responsibilities, reviewing contractor submittals and shop drawings, participating in

progress meetings, monitoring work progress and estimating contract quantities, and assisting with office documentation - including preparing Meeting Minutes, developing and updating correspondence and submittal logs, and reviewing Inspector Daily Reports (IDRS). In addition, he coordinated all field activities and provided inspection oversight for Contract GFM-435 Work Order 41 - Vertical Access at the Queens Midtown Tunnel from D Post to C Post - including relocation of the TBTA Police booth and associated electrical services, and installation of a new access staircase. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY; 1/05-7/06. Senior Inspector. This $150-million project involved the reconstruction of the suspended spans deck with an orthotropic steel deck. The project also involved the installation of new maintenance travelers, electrical and communications systems, fire protection system and inspection platforms. A temporary movable barrier was also utilized to provide for efficient traffic flow during the eight reconstruction stages scheduled for this project. Mr. Jones' responsibilities included the inspection of Maintenance and protection of traffic (MPT); demolition of bridge deck and existing steel truss; welding for the installation of a new orthotropic deck; installation of new bridge drainage system; surface preparation and painting of structural steel; erection of overhead sign gantries; installation of finger dam expansion joints; removal and installation of new steel divider barriers; replacement of girder pins at the anchorages; and erection of steel framing at the towers. Client: Triborough Bridge and Tunnel Authority

Long Island Expressway/Cross Island Parkway, Exits 29-32, Queens, NY; 8/00-12/04. Team Leader. This project involved construction inspection services for the $147-million rehabilitation of the Long Island Expressway/Cross Island Parkway (LIE/CIP) interchange. Mr. Jones' responsibilities included the direct oversight of the reconstruction of two local bridges over the LIE (Marathon and Douglaston Parkway Bridges), and one LIE mainline bridge over Little Neck Parkway. He was responsible for the inspection of all foundation piling, substructure forming and concreting operations, superstructure steel erection, deck construction and all other ancillary tasks such as parapet construction, fencing, etc. Mr. Jones also served as the team leader for all night work operations including extensive oversight of all nighttime MPT operations. He was also the lead inspector for the night work asphalt paving on the LIE and Cross Island Parkway. This included the inspection oversight of the milling and removal of the existing asphalt overlays, concrete pavement repairs, and placement of SuperPave asphalt paving. Mr. Jones was responsible for the work associated with the dredging of Alley Pond and the landscaping work for the pond. This included the installation of all aquatic and wetland plant material, and ensuring compliance with the NYSDEC water quality requirements during these construction efforts. Client: New York State Dept. of Transportation

Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure, Phase I - TB-63, New York, NY; 4/99-8/00. Senior Inspector. This $138-million project was actually comprised of two major reconstruction efforts: the complete replacement of the Randall's Island Junction Structure, and the redecking of the Bronx Approach. Mr. Jones' responsibilities included establishing and maintaining office files including shop drawings and correspondence logs; demolition of existing structures: curtain walls, grade beams, and pilasters; placement of concrete for column encasements, grade beams, cap beams, abutment walls and pilasters; MPT; and bridge lane closing and complete stoppage of traffic on and off bound. Additional duties included placement of asphalt overlay, removal of existing deck, placement of precast units - deck and pedestals, placement of bearings, and removal and replacement of bridge deck lighting. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Queens Approach Concrete Structure Deck Replacement - TB-13, Queens, NY; 1996-4/99. Senior Inspector. This project involved construction inspection and support services for the Queens approach concrete structure deck replacement at the Robert F. Kennedy (Triborough) Bridge. Mr. Jones' responsibilities included establishing and maintaining office files including shop drawings and correspondence logs; demolition of existing structures: curtain walls, grade beams, and pilasters; placement of concrete for column encasements, grade beams, cap beams, abutment walls and pilasters; MPT; and bridge lane closing and complete stoppage of traffic on and off bound. Further duties included placement of asphalt overlay, removal of existing deck, placement of precast units - deck and pedestals, placement of bearings, and removal and replacement of bridge deck lighting. Client: Triborough Bridge and Tunnel Authority

Darryl Kemp
Senior Inspector

Professional Profile
Mr. Kemp is a construction inspector with many years of experience inspecting major bridge and highway rehabilitation projects throughout the Long Island/New York metropolitan area involving concrete and asphalt placement and testing, as well as structural steel erection.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
1998/ACI Concrete Field Testing Technician Grade 1
1989/NICET IV

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2009 - 10-Hour OSHA Training Course
2009 - SSPC Lead Paint Removal (C-3)
1987 - Joint Urban Manpower Drafters

Total Years Experience 27

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 10/13-Present. Senior Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Kemp is responsible for inspection of existing structural steel fascia girder and redundancy girder removals, inspection of new structural steel arch strenghtening plate and tower steel installations as well as assisting with night time full closures of Bayonne Bridge. Client: Port Authority of NY & NJ

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 6/10-10/13. Mr. Kemp served s senior inspector on this $149-million project which involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Kemp's responsibilities on this project consisted of inspection of unwrapping and rewrapping of main cables, replacement of suspenders, replacement and retensioning of cable band bolts and replacement of existing handrope system. He was also responsible for performing inspection on installation of temporary work platforms, truss vertical repairs and other miscellaneous work. Client: New York City Dept. of Transportation

Alexander Hamilton Bridge and Highbridge Interchange Ramp Rehabilitation, Contract D260888, New York, NY; 6/09-6/10. Senior Inspector. This $ 475-million project consisted of replacement of bridges; replacement and widening of deck slab; elimination and replacement of deck joints; rehabilitation of steel superstructure; rehabilitation and resurfacing on-grade roadways; replacement of lighting system; rehabilitation of drainage systems and overhead sign structures; replacement and installation of new ITS system and steel superstructure painting. Mr. Kemp's specific duties included inspection of existing superstructure demolition, existing steel removal, structural steel erection, installation of temporary structures, driving of cast in place concrete piles, placement of structural concrete, drainage installation, asphalt placement and structural steel painting. Client: New York State Dept. of Transportation

Queensboro Bridge Lead Paint Removal and Protective Coating, Contract BRC231P, New York, NY; 4/05-5/09. Lead Structural Inspector. This $170-million project involved the erection of containment structures, abrasive blasting and lead paint removal for the entire East River Bridge and the application of a three-coat painting system. Mr. Kemp's specific responsibilities included inspection of steel repairs to replace existing struts, gusset plates, batten plates and lacing bars, installation of platforms, scaffolding and outriggers for various containment systems, cataloging of shop drawings for various containment systems and monthly inspections of temporary structures installed. His responsibilities also included maintenance and protection of traffic and electrical repairs. Client: New York City Dept. of Transportation

Barclay Street Reconstruction, Contract HWMWTCA1E, New York, NY; 10/04-4/05. Senior Inspector. Mr. Kemp's specific responsibilities included inspection of concrete roadbase placements, inspection of asphalt paving, concrete field testing and sampling, coordination of existing utility relocation with Con Ed, DEP, ECS and other agencies as well as assisting the office engineer with processing change orders. Client: New York City Dept. of Design and Construction

Darryl Kemp
Senior Inspector

Long Island Expressway Capacity Improvements, Exits 37-40, Contract D258873, NY; 2/03-10/04. Senior Inspector. This $122-million project consisted of replacement and rehabilitation of five I-495 bridges, widening and resurfacing of EB and WB mainline roadway, construction of retaining walls and noise barrier walls. Mr. Kemp's specific responsibilities included supervision of nighttime MPT operations for five-mile daily mainline closures, inspection of bridge demolition and reconstruction, concrete placements and testing, concrete pavement repairs, asphalt paving, drainage removals and installations, sign structure installation and noise barrier wall construction. Client: New York State Dept. of Transportation

Long Island Expressway Rehabilitation, Contract #D257842, Queens County, NY; 5/00-11/02. Senior Inspector. This $221-million project consisted of rehabilitation of 27 bridges including repair or replacement of deck, superstructure, and footings, resurfacing or replacement of asphalt and concrete pavement, upgrade drainage and lighting system, clean and paint existing steel superstructures, installation of new (ITS) Intelligent Transportation System and landscaping. Mr. Kemp's specific responsibilities included inspection of structural steel removal and erection of new structural steel, demolition and reconstruction of bridge decks, cast in place concrete and H-pile driving, anchor tieback system installation and testing for temporary steel sheet piling, inspection of structural steel painting, monitoring abrasive blasting using a type "A" containment, slip form concrete placement and testing, placement of superpave asphalt, construction of retaining walls and noise walls, overhead sign structure installations and maintenance and protection of traffic. Client: New York State Dept. of Transportation

Robert F. Kennedy (Triborough) Bridge Rehabilitation of Suspension Cables - TB-17, Queens, NY; 1/99-12/99. Mr. Kemp served as senior inspector for this $8.9-million rehabilitation of the main suspension cables. The project included installation of temporary suspended footwalk, removal and replacement of main cable wire wrapping, repairing and splicing of individual main cable wires and application of three-coat paint system. His specific responsibilities included inspection of installation and removal of temporary suspended footwalks beneath main cables, removal and replacement of existing main cable wire wrapping, wedging open of main cables for application of corrosion inhibitor oil, splicing and repairing damaged individual main cable wires, compaction of main cables before rewrapping, tensioning of cable band bolts and application of three-coat painting system to main cables. Duties also included inspection of concrete and structural steel flag repairs. Client: Triborough Bridge and Tunnel Authority

Brooklyn-Queens Expressway, I-278, Painting and Cleaning of Park Avenue Viaduct, Contract #D, Kings County, NY; 6/98-1/99. Senior Inspector. This $2.5-million project involved Class B containment setup for power washing, power tool cleaning and overcoating of structural steel members. His specific responsibilities included inspections on installation of various containment and air monitoring systems; power washing existing structure, power tool cleaning and overcoating structural steel and coordination of maintenance and protection of traffic. Client: New York State Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 7/95-7/98. Senior Inspector. Mr. Kemp's responsibilities included inspection of installation of galvanized steel inspection platforms, removal of existing structural steel, drilling of bored in piles with seismic casings, demolition of existing DOS buildings beneath approach, removal and resetting of stonework around anchorage enclosures, concrete placement and testing and asphalt paving. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 11/91-7/95. Inspector. Mr. Kemp's responsibilities included inspection of main cable wedging, oiling and compacting, removal and replacement of existing cable bands, removal and replacement of wire rope suspender, removal of existing wire wrapping, installation of new wire wrapping and neoprene wrapping systems, demolition and replacement of internal cable enclosures, stonework removal and replacement, concrete placement and testing, asphalt paving, and MPT. Client: New York City Dept. of Transportation

Jackie Robinson/Interborough Parkway Inspection, Contract #D252310, Queens, NY; 6/90-11/91. Inspector. Mr. Kemp's responsibilities included inspection of all electrical operations, concrete placement and testing, drainage removals and installations, compaction and sieve analyses testing, asphalt paving and maintenance and protection of traffic coordination. Client: New York State Dept. of Transportation

Gabriel Lageyre
Chief Inspector

Professional Profile
Mr. Lageyre is a senior inspector with the following experience.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2005/NICET IV
2000/AWS Certified Welding Inspector/NY
2011/AWS Structural Bolting Inspection Endorsement

Education
MS/1986/Mechanical Engineering

Course Work
2011 - 30-Hour OSHA Construction Safety and Health Training Course
2009 - 10-Hour OSHA Training Course
2004 - MTA NYCT Track Safety Trained
2007 - ACI Concrete Field Testing Technician Grade Level I Trained

Professional Affiliations
American Welding Society (AWS)

Total Years Experience 16

Project Experience

Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 11/12-Present. Chief Inspector. The $110-million project involves construction management and inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work includes installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. Mr. Lageyre's responsibilities on the project include inspection of Queens Approach steel girders and Queens Approach emergency steel repairs which includes erection, installation and welding of new structural steel. His responsibilities include, but are not limited to, visual inspection of new welding productions, bolting connections and testing of field-installed high strength bolts, reading and interpretation of blue prints and specifications, payment calculations and interaction with contractor's and consulting engineers in finding solutions to the new field condition changes during the mentioned operations. He also observes the on-site safety and submits the daily inspection report and maintains direct contact with the resident engineer and staff. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY; 6/09-11/12. Senior Inspector. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, there were massive concrete placements for concrete footings and piers. For the duration of the project, traffic on the bridge was maintained with five lanes open to traffic. During the staged construction, work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Lageyre's responsibilities on the project included inspection of Bronx Approach steel girders and Queens Approach emergency steel repairs which included erection, installation and welding of new structural steel. His responsibilities included, but were not limited to, visual inspection of new welding productions, bolting connections and testing of field-installed High Strength Bolts, reading and interpretation of blue prints and specifications, payment calculations and interaction with contractor's and consulting engineers in finding solutions to the new field condition changes during the mentioned operations. He also observed the on-site safety and submitted the daily inspection report and maintained direct contact with the resident engineer and staff. Client: Triborough Bridge and Tunnel Authority

Replacement of Brooklyn Bridge Travelers, Contract #BRC270TA, Boroughs of Manhattan and Brooklyn, NY; 8/07-6/09. Senior Inspector. This project included the replacement of four movable maintenance platforms (travelers) with a state-of-the-art mechanical driven traveler system, the replacement of the traveler rails, hangers and connections, localized lead paint removal, and the replacement of the electrical system. Mr. Lageyre's responsibilities included inspection of temporary platform installation, maintenance and protection of traffic (MPT), lead paint removal, structural steel removal, painting inspection, high strength fastener tensioning tests, and new structural steel erection and installation. He was also involved with reading and understanding blue prints and specifications and their application and payment computation of contract work. Client: New York City Dept. of Transportation

Gabriel Lageyre
Chief Inspector

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 2003-8/07. Senior Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Lageyre's responsibilities included the overview of the total coating replacement which included lead paint removal by abrasive blasting, application of a four-coat paint system, and erection of a class 1A containment system; the overview of the stiffening of the intermediate towers which support the end span of the bridge; main and intermediate tower steel replacement which includes bracing, stiffeners and new reinforcing steel erection; bottom chord rehabilitation at end span of main bridge, including the removal of the existing bottom flange of chord steel and replacing with new reinforcement; field testing as well as interpretation and application to the field drawing resolution; rehabilitation of stiffening truss top chord; demolition of existing traveler rail system; tensioning of main cable band bolts; wire rope suspenders replacement and adjustment; removal and replacement of main cable neoprene wrapping system; and structural concrete of column fifth pedestal of Manhattan Main Tower. Mr. Lageyre was also responsible for supporting and supervising the MPT on the Bridge and local areas during the construction works for the rehabilitation of the main span bridge. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 2003. Senior Inspector. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Client: New York City Dept. of Transportation

Reconstruction of Williamsburg Bridge, Contract 7, North Outer and Inner Roadways, New York, NY; 2001-2003. Mr. Lageyre served as a construction inspector on this project that included structural steel and orthotropic deck remodelation including asphalt, sandblasting, painting, welding inspection, field testing as well as interpretation and application to the field of drawings resolution. Client: New York City Dept. of Transportation

Continental Airline Global Gateway Project at Newark International Airport, Terminal C, Newark, NJ; 1998-2001. Mr. Lageyre served as a construction inspector responsible for extension of landing area; monorail; four new buildings; airside corridor; and roadway to parking lot. Client: Port Authority of NY & NJ

While with another firm, Mr. Lageyre was responsible for visual inspection of weld and stability of structural steel specifying the appropriate non-destructive examination N.D.E. methods; 1998-2001.

Other experience includes:

- Fabrication shop for welding restoration of components in power plants (Havana, Cuba).
- Welding engineer - design and operation of welding lines for manufacturing of welded products and repairing of welded parts of power plant.
- Welding material control and assurance responsibility according to applicable standards.
- Nuclear Power Plant (Cienfuegos, Cuba).
- Design of welded construction of power generation.
- Facilities and application of welding facilities that fabricate welded products. This includes ferrous and non-ferrous materials, carbon steel, alloy and stainless steel.

Ken Leo
Inspector

Professional Profile
Mr. Leo is an inspector with experience on New York City roadways and bridge rehabilitation projects.

Project Experience
2011-2014 Port Authority On-Call Construction Management Services – Lincoln/Holland Tunnel, New York, NY; 9/11-Present. Inspector. This project involves the rehabilitation of the concrete catwalk at the Holland Tunnel and maintenance pavement repairs and bus ramps deck replacement at the Lincoln Tunnel. Mr. Leo's responsibilities include emergency concrete repairs on vent shafts in vent buildings, under deck of roadways, beams, and columns; placement of concrete on roadway and column/beam encasements; retexturing of roadways; striping roadways; hydrostatic testing of domestic water and fire stand pipe back flow preventers; and overseeing environmental contractors and inspectors for asbestos and lead abatement. Mr. Leo has also sealed ring joints with lead to prevent water intrusion in the Lincoln Tunnel. The lead was then encased with concrete. Client: Port Authority of NY & NJ

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2013/ACI Concrete Construction Special Inspector
2013/NICET III
2001/ACI Concrete Field Technician Grade 1

Course Work
2012 - MTA/Long Island Rail Road Track Safety
2007 - 10-Hour OSHA Training Course
2003 - American Welding Society - Fundamentals of Welding Quality Management
2012 - Amtrak Track Safety
Scaffold Safety Training

Total Years Experience 16

2006-2010 Port Authority On-Call Construction Management Services - Lincoln/Holland Tunnel, New York, NY; 6/11-1/12. Inspector. This project involved the rehabilitation of the concrete catwalk at the Holland Tunnel and maintenance pavement repairs and bus ramps deck replacement at the Lincoln Tunnel. Mr. Leo was involved with maintenance and protection of traffic, installation of CCTV and video analytics system, demo of existing car railing, sounding and repairing spalled concrete for rehabilitation of concrete catwalk. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - Port Authority Bus Terminal - Structural Modifications, New York, NY; 3/09-3/11. Inspector. This $50-million project involved providing the required strengthening to maintain structural integrity of the Port Authority Bus Terminal in New York City during a seismic event. Mr. Leo was responsible for removal/relocation of domestic water, fire protection, steam and drain systems; air/hydrostatic testing of domestic water, fire protection, steam and drain systems; installation of bolsters, transfer connections, cross braces, fir truss, chevron braces for seismic retrofit; removal/relocation of electrical conduits; hydrofreezing existing sprinkler piping and fire stand pipe prior to relocation in preparation of steel modifications; application of shotcrete; placement of terrazzo floor; installation of expansion joints; application of waterproofing membrane; installation of barrier gates; and sounding concrete. Client: Port Authority of NY & NJ

2002-2006 Port Authority On-Call Construction Management Services - Port Authority Bus Terminal Ramps Reconstruction, New York, NY; 6/02-3/09. Inspector. This $50-million project focused on the rebuilding and rehabilitation of the ramps connecting the Lincoln Tunnel with the Port Authority Bus Terminal. Mr. Leo's responsibilities included quality assurance inspection of all construction activities including demolition of existing structures, replacement of sub- and superstructure elements. His responsibilities also included removal of roadway deck; installation of pre-cast roadway deck; placement of latex-modified concrete; installation of shear studs; installation of parapet walls and guide rails; replacement and rehabilitation of roadway deck heating system; installation of debris/vertical shielding; installation of concrete masonry unit; application of shotcrete; application of fire proofing membrane; demolition of concrete masonry unit facade; checking alignment and

installation of multi rotational bearings; directing x-ray technician to check T.I.G. (Tungsten Inner Gas) weld on stainless steel pipe connection at various locations and submitting results to A.R.E. and directing contractor to repair deficiencies; maintenance of traffic; and installation of conduit and conductors. He also inspected installation of granite facade and titanium/stainless steel hybrid facade; removal/installation of underdeck lighting; removal/relocation of domestic water, fire protection, steam and drain systems; air and hydrostatic testing of domestic water, fire protection, steam and drain systems; installation of bolsters, transfer connections and cross braces for seismic retrofit. Client: Port Authority of NY & NJ

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 1/01-6/02. Inspector. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Leo's responsibilities included orthotropic deck fit-up and installation forsaw; maintaining temporary protective shielding system; removal of floorbeam, deck, railing, stringers; installation of vertical protective netting, installation of barriers, also made steel payments; floorbeam, stringer, and concrete grid deck removal on main span; N.O.R. orthotropic deck shot blasting, Stirling Lloyd waterproofing membrane application, Trinidad asphalt placement, monitoring shrinkage and warpage at orthotropic deck submerged arc welded joints; paint application of new steel connections; existing floorbeam web and lateral brace connections; north truss bottom chord repairs; testing concrete with slump and air tests; and torque wrench calibration and torquing. Client: New York City Dept. of Transportation

Mr. Leo worked with another firm where he performed quantity takeoffs for bids; prepared invoices and purchase orders; estimated and provided materials daily; had hands-on experience with plumbing, painting and sheetrock. Also has the ability to read/interpret blueprints. 3/98-1/01.

Computer Skills
Microsoft Word, Excel and Access

William Leong
Inspector

Professional Profile
Mr. Leong is an inspector with the following experience.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2009/NICET III

Education
AAS/1998/Business Management

Course Work
2008 - 10-Hour OSHA Training Course, #001872366
2007 - MTA-NYCT, Track Safety

Total Years Experience 12

Project Experience
REI for the Rehabilitation of High Bridge, Boroughs of Manhattan and Bronx, NY; 3/13-Present. Inspector. This project involves rehabilitation of the masonry arch spans, steel arch span (including deleading and painting), brick arch deck, and brick walkway; stabilization and conservation of the aqueduct pipe; providing barrier-free access and safety for pedestrian and wheeled users; rehabilitation of historic railings and walkway lighting posts; providing architectural lighting (as funding allows); and providing a visitor information system consisting of way finding signage and aqueduct interpretative signage. Mr. Leong's responsibilities include clearing, grubbing, and tree protection; the erection of scaffolding, shielding deck and mast climber system; historic brick removal; stone masonry cleaning and removal and bridge brick repairs; removal of historic railing; waterproofing applications; concrete testing, placement and curing measures; and excavation and backfilling. Client: New York City Dept. of Design & Construction

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/12-3/13. Inspector. This project involved construction management and inspection services for the $500-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Leong's responsibilities included overseeing operations consisting of demolition and removal of concrete slabs, installation of fascia beams, steel beam preparation and flange repairs, and installation of concrete panels and super slabs. He was also involved with the removal, marking, and storage of stones to be restored. Mr. Leong also coordinated roadway reversals and sign installation for lane closures and reversals; ensured concrete curing measures were implemented properly and that asphalt overlay was placed within specifications; and ensured pavement markings were applied properly. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 8/07-2/12. Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Leong's responsibilities included calibration

of torque wrench; torque tested miscellaneous steel connections; surface preparation and painting of miscellaneous steel connections; checking for proper humidity, dew point, surface temperatures and ambient conditions prior to painting; assisting with seismic retrofit concrete testing such as slump tests and casting of test cylinders; checking for proper consolidation of seismic pier walls and caps; checking rebar layout for seismic pier walls/caps; and repointing of comfort station granite joints.

He also ensured all construction signs and traffic control devices were in place per plans; coordinated lane closures with traffic agents; ensured pavement markings were applied properly; ensured damaged attenuators and sand drums were replaced properly; steel inspection of floorbeam web repairs truss diagonal repairs, wind chord lateral brace repairs and intermediate tower plate repairs; ensured that all eight bearings at the intermediate towers were replaced per plans and specifications; checked alignment of all bearings; ensured that jacking forces were not exceeded; ensured all lifting procedures were followed, inspected the replacement of main tower wind tongues; and ensured that Brooklyn and Manhattan anchorage maintenance platforms were installed per plans and specifications. Client: New York City Dept. of Transportation

Commercial and Residential Renovation Projects, Various Locations; NY; 1/03-8/07. As office/field assistant, Mr. Leong assisted with estimating commercial and residential renovation projects; determined and provided daily material/equipment needs; scheduled manpower on a daily basis; ensured projects were completed as scheduled; provided hands-on construction experience.

As an information technology intern, Mr. Leong managed and monitored networking essentials NT Server, NT Workstations, Microsoft Windows 95/98/2000/ME/XP MS DOS; software and hardware configuration, maintenance, troubleshooting and support; 5/02-10/02

Computer Skills
Hardware: IBM PC
Software: Microsoft Office, Paint Shop Pro, NEMIS Database, Basic HTML, Photoshop

Operating Systems
DOS, Microsoft Windows/95/98/2000/ME/XP/VISTA

Ian MacKenzie, E.I.T.
Senior Inspector

Professional Profile
Mr. MacKenzie possesses many years experience in bridge and highway construction. He has the proven ability to work in a fast-paced, high-stress environment that requires strong organizational, technical and interpersonal skills. He has extensive hands-on experience with a focus on team effort and communication in implementing project plans. Mr. MacKenzie's additional strengths include design and management where excellent verbal and written skills are necessary.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
1989/Engineer In Training/NY
2012/ACI Concrete Field Testing Technician Grade 1/NY

Education
BS/1987/Mechanical Engineering

Course Work
2009 - 10-Hour OSHA Training Course

Professional Affiliation
American Society of Civil Engineers (ASCE)

Total Years Experience 21

Project Experience
Office Engineer Positions for Various Superstorm Sandy Reconstruction Projects, New York, NY; 5/13-Present. Office Engineer. The project involves efficiently managing the records of the emergency contracts to repair the damage caused by Superstorm Sandy. Mr. MacKenzie is responsible for keeping minutes of progress meetings between the agency and the contractor (assuming meetings will be held in-house); filing approved materials for use on contracts; logging proposed daily work locations submitted by the contractor; keeping all correspondence between all interested parties; keeping field engineering force summary (inspectors attendance); keeping diary of their own work; logging inspectors' IR into summary diary; maintaining inspectors' field sheets and daily reports; filing all necessary paperwork in job files; producing all reports to related contract management and operations; and performing all other paperwork functions as is found to be necessary. Client: New York City Dept. of Transportation

Bryant Drive-Harvard Lane Area Construction Inspection, Phase I, Hempstead, NY; 7/12-1/13. Resident Engineer. This project involved construction inspection and support services for this $1-million construction project. The project involved storm water drainage and road improvements of approximately 4,000 lin ft of multiple residential roadways in Seaford, the Town of Hempstead. Mr. Mackenzie provided full-time inspection and was responsible for assuring the contractor's substantial compliance with all contract document requirements. Mr. Mackenzie was responsible for preparation of daily inspection reports which included recording all items of work performed by the contractor, and their respective quantities of work. He was also responsible for preparation of monthly payment requisitions and acted as liaison between the contractor, residents, and town. Client: Town of Hempstead

Nassau County Traffic Signal Inspections, Nassau County, NY; 8/09-5/12. Senior Inspector. These projects involved installation of traffic signals at new locations and replacement of span wire traffic signals and dated controllers at existing locations. Installation of these new mast arm traffic signals included pouring concrete pole foundations; setting poles for mast arms, push buttons and pedestrian signal heads; installing pull boxes; running underground conduit interconnecting pull boxes and pole foundations; replacing curb, sidewalk and asphalt roadway; installing vehicle detector traffic loops; installing traffic signal heads, push buttons and pedestrian signal heads; pulling conductor cables thru-out intersection into new controller cabinet; replacement of vehicle detector traffic loops at NCDPW asphalt re-surfacing projects. He was responsible for mark-out of traffic signal conduit on location prior to various utilities working in area, and installation of wireless vehicle detection sensors for the Red Light Camera project. Routine inspection of operation and condition of existing traffic signals performed to monitor condition and performance of equipment and roadway. Along with the physical inspection routines, reporting and documentation, daily logs, inspection reports, measurement of item quantities, coordination of task and quality assurance are also maintained. Client: Nassau County Dept. of Public Works

Nassau County On-Call Improvement of Lido Boulevard, Lido Beach, NY; 9/08-12/08. Senior Inspector. The project involved construction inspection services to construct a raised median along Lido Boulevard, for a total length of 1.13 miles. This $3.6-million project involved saw cut excavation of the existing center turn lane and installing mountable concrete curbs for the new raised median; full depth asphalt repair around new medians; installation of colored and imprinted sidewalk in median islands; installation of new traffic signal conduit under roadway; and replacing existing handicap ramps inclusive of detectable warning surface. Mr. MacKenzie was also responsible for documentation of daily work performed, processing detailed payment quantities, and training junior staff assigned to the project. Client: Nassau County Dept. of Public Works

Ian MacKenzie, E.I.T.
Senior Inspector

County Road 16/Horseblock Road Improvements, Medford, NY; 3/08-9/08. Chief Inspector. The project involved construction inspection for this $4.1-million project which involved pavement reconstruction, pavement overlay, and new drainage systems including new trunk lines, leaching basins, and recharge basin modifications. He was responsible for field inspection, measurements and submission of daily reports, review and reporting daily maintenance and protection of traffic, training junior staff assigned to the project and coordination with the SCDPW technicians conducting the field quality control tests. Mr. MacKenzie also assisted the resident engineer with office engineering and recordkeeping as required by the NYSDOT Manual of Uniform Record Keeping guidelines. Client: Suffolk County Dept. of Public Works

Wellington-Heathcote Area Roads CI, Elmont, NY; 5/07-11/07. Resident Engineer/Chief Inspector. This project involved construction inspection services for this $1.6-million project involving the reconstruction of approximately 8,000 lin ft of roadway utilizing the Town's mixed-in-place method of reconstruction. Mr. MacKenzie's responsibilities included inspection for the removal of existing curb and driveway aprons and replacement with concrete curb and gutter and aprons; removal of existing drainage facilities on street corners for installation of handicap ramps and new drainage facilities, tying into existing area drainage system; milling asphalt overlay off streets with concrete pavement, replacing sections of deteriorated concrete, and excavation/replacement of existing shoulder asphalt between concrete pavement and curb; and mix-in-place existing asphalt and sub base material adding bituminous emulsion on streets without concrete pavement creating base course for placement of new asphalt. Mr. MacKenzie coordinated with the local Water Authority, Keyspan Gas, Town of Hempstead Street Lighting and Nassau County Sanitary Sewage as to adjustments, relocation and protection of their facilities. He was responsible for overseeing lane closures, shoulder closures and general maintenance and protection of traffic; interfacing with homeowners over concerns, problems and upcoming contractor operations; training junior engineer in construction inspection, including documentation of daily work performed; and processing detailed quantities for monthly progress payments. Client: Town of Hempstead Dept. of Engineering

Northern State Parkway INFORM/ITS, Nassau/Suffolk Counties, NY; 6/05-4/07. Senior Inspector. This project involved construction inspection services for the INFORM System upgrade on the Northern State Parkway from the NYC line to Route 454 in Nassau and Suffolk Counties. Work on this $13.6-million project included installation of 72 fiber optic cables, controllers and equipment, and other ITS elements for the Northern State INFORM System and integration to the State INFORM Facilities in Hauppauge, NY. His responsibilities included processing inspector reports and maintaining a record set of plans while generating biweekly payments to contractors. He also recorded minutes for project progress meetings and organized project correspondence. Mr. MacKenzie was responsible for supervising installation of conduit, inner duct, fiber-optic cable, pullboxes, and foundations/bases for cabinets, signs and acoustic detectors. Client: New York State Dept. of Transportation

Bridge Replacement and Construction of HOV Lane on Long Island Expressway (LIE), Exits 61-64, Suffolk County, NY; 10/97-1/01. As assistant office engineer, his responsibilities included managing Quality Assurance inspection of two-span composite and single span pre-stressed bridges; documenting daily operational procedures covering a team of 20 field engineers in maintaining Engineer's Diary; processing 15 inspector reports daily for payment calculations, material acceptance, location and quality of work and safety. He generated biweekly payments to contractors; interfacing with project designers, D.O.T. materials, inspection sub-consultants and general contractor; organizing and coordinating concrete cylinder testing and soils testing; and acquiring chief inspector duties for night work while maintaining high priority office engineer duties. Client: New York State Dept. of Transportation

Bascule Span Bridge Replacement, Westhampton Beach, NY; 1994-1996. Senior Field Engineer. Mr. Mackenzie supervised earthquake proof pile driving; 168 piles for each pier and 55 piles for each abutment; directed rebar placement and concrete pours, beginning at depth of 22 feet below sea level; and trained and guided junior field engineers. Client: New York State Dept. of Transportation

Re-Route Inform Trunk Lines, Retrofit Inform Signs, NY; 2/94-9/94. Senior Field Engineer. Mr. Mackenzie installed conduits under existing roadways in high traffic volume areas; oversaw fiber-optic improvements to variable message boards on LIE and Northern State Parkway; and guided and enforced the maintenance and protection of traffic on both projects. Client: New York State Dept. of Transportation

Keith Major
Inspector

Professional Profile
Mr. Major is an inspector with the following experience.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2008/NACE Coating Inspector Level 1 - Certified
2011/ICC Structural Steel and Bolting Special Inspector
2008/NICET III
2012/AWS Certified Welding Inspector
2013/ICC Structural Welding Special Inspector
2007/ACI Concrete Field Technician Grade 1

Education
AAS/2007/Civil Engineering Technology

Course Work
2008 - 10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training
2008 - 30-Hour OSHA Training Course
SSPC C-3 Deleading Supervisor/Competent Person
ACI Concrete Field Testing Technician Grade Level I Trained

Professional Affiliation
American Society of Civil Engineers (ASCE)

Total Years Experience 7

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 8/10-Present. Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Major's responsibilities include providing on-site oversight of work being performed to ensure compliance with contract drawings and specifications and estimation of quantities of work performed for use in payment as per project specifications. Operations covered include oversight of installation of protective shields for re-decking, steel replacement and painting activities; inspection of abrasive blasted/painted structural steel; testing of fresh concrete; monitoring of placement for foundations and closure pours for approach ramp roadways; removal of existing approach ramp pavement and replacement with concrete filled grid deck panels, approach ramp paving and temporary striping operations; demolition and removal of approach roadway pavement, spray applied waterproofing and installation of pre-cast concrete slabs; and installation and field welding of orthotropic deck. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 6/07-8/10. Inspector. This $138-million project involved construction engineering and inspection for the widening, re-decking and repainting of this viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume major interstate urban highway/bridge included replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. Also included was extensive coordination with agencies and local communities. Mr. Major's responsibilities included providing on-site oversight of work being performed to ensure compliance with contract drawings and specifications and estimation of quantities of work performed for use in payment as per project specifications. Operations covered included installation of masonry (brickwork), steel reinforcing bars (rebar), structural concrete slabs, sub-grade drainage facilities and painting of structural steel. Client: New York State Dept. of Transportation

Computer Skills
Microsoft Word, Microsoft Excel, Microsoft PowerPoint, AutoCAD and the Internet

Andrea Malenich
Senior Inspector

Professional Profile
Ms. Malenich possesses over 20 years of experience in the construction industry.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 11/13-Present. Senior Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Ms. Malenich is the lead safety coordinator for the team. She is responsible for ensuring that the contractor remains compliant with their submitted Health and Safety Program and OSHA requirements during all construction operations. She meets with, on a daily basis, the contractor's Health and Safety representative to discuss new and ongoing operations and how best workers, inspectors and the traveling public can best be protected from hazards associated with the work. Client: Port Authority of NY & NJ

Proposed Project Assignment
Senior Inspector

Course Work
2013 - OSHA #502 Update for Construction Industry Outreach Trainers
2009 - OSHA #500 Trainer Course in Occupational Safety & Health Standards for the Construction Industry
2013 - Basic Bridge and Construction Inspection Safety Course Completion
1999 - Traffic Control Coordinator Program Completion
1999 - NJHA Job Safety Training Sessions I & II Certificate
2004 - OSHA Scaffolding Training
2003 - OSHA 30-Hour Occupational Safety & Health Training
2003 - OSHA 40-Hour Hazardous Waste Operations and Emergency Response Training
2004 - OSHA Trenching / Excavating Training
2004 - OSHA Confined Space Entry Training
1997 - Traffic Control Coordinator Training
1997 - Uniform Traffic Control Training (SET Safety, Education & Training Trust Fund)

Total Years Experience 21

New Jersey Turnpike, 6 to 9 Widening Program, Burlington, Mercer, and Middlesex Counties NJ; 2009-2013. Site Safety OSHA Compliant Inspector. This project involved the addition of some 170 new lane miles of roadway to this chronically congested stretch of the turnpike. Three additional lanes were added in each direction between Interchanges 6 and 8A, and one additional lane was added in each direction between Interchanges 8A and 9. A new toll plaza was built at Interchange 8. She was responsible for ensuring that the inspection management teams (approximately 226-311 professionals) were working within standards and regulations according to OSHA along with the respective NJTA regulations; conducting and maintaining records of the NJ Turnpike safety orientation for the joint venture staff and their subcontractors; uploading and maintaining all training documentation to the software platform iPIMS and maintaining hard copies of all documents; conducting safety trainings such as confined space and fall protection; ensuring that all personnel were OSHA 10 Hour trained and scheduling the training for those who were not; ordering safety supplies as well as maintaining the stock within the three main field offices; managing most of the joint venture's safety needs regarding various aspects of the project; generating and implementing an Emergency Preparedness and Response Plan.; and performing joint venture safety program review and making site-specific recommendations. Client: New Jersey Turnpike Authority

PSE&G Hudson Generating Station, Jersey City, NJ; 2007-2009. Site Safety OSHA Compliant Officer. This $750-million project consisted of the installation of mercury control, flue gas desulphurization, and selective catalytic reduction systems on Unit 2. The purpose of the reconstruction on these air emissions control systems was in an effort to become, by law, a greener facility. Ms. Malenich ensured that the crews were working within standards and regulations according to OSHA (trenching and excavating, caisson drilling, ladders, scaffolds, hand/power tools, P.P.E., electrical/GFCI, temporary lighting); and wrote and submitted daily safety inspection reports, wrote and posted daily job safety analysis reports for each crew. Ms. Malenich worked with multiple contractors and managed the safety coordinating for 180 employees; and she also managed the safety coordination for a crew of 15 employees working for Case Foundation. Other responsibilities included running the electrical wiring for the Back End Technology (BET) within the plant; drilling four caissons, 82-ft in depth by 7-1/2 ft in dia. for the foundation of the new section of the plant that was to be constructed.

Andrea Malenich
Senior Inspector

Route 21 Viaduct, Contract B, Section 2N, Newark, NJ; 200-2003. Traffic Control Coordinator/Site Safety Officer. This project involved the replacement of the Route 21 Viaduct in Newark and tying in the surrounding highways by building overpasses to aid in easier access to Newark Airport. Her responsibilities included submitting traffic interference reports/ state police requests to Traffic Operation- North; supervising the application, maintenance and removal of road closures and detours within the City of Newark; and supervising the application, maintenance and removal of lane closures on Routes 21 north/south, 1 and 9 north/south, 78 east/ west, 22 east/ west and the NJ Turnpike entrance ramps to 1 and 9. She worked closely with the NJDOT, NJ State Police, Newark Police, and the contractor to ensure that these major highways were shut down safely and the traffic devices were installed properly; and wrote and submitted daily traffic safety inspection reports to the DOT and the contractor. As the site safety officer, she performed inspections of the entire site (trenching/excavating confined space entry, fall protection, etc.); wrote and submitted DC-29 reports on select items (concrete pours, retaining walls, rebar, line grinding and striping, jersey barrier, reflectors, creek restoration, storm sewer cleaning, hazard waste storage and removal, steel erection, etc.); and she ensured proper placement of and measured the line stripping on the above mentioned highways.

BP/ Castrol Oil Corp., Wayne, NJ; 2006. Site Safety OSHA Compliant Inspector. This project involved reconstruction of the entire office building. Three floors were remodeled from ceiling to carpet, rooms were gutted, walls were added and removed in several locations. As the site safety officer, she ensured that the crews were working within standards and regulations according to OSHA. (ladders, scaffolds, hand/power tools, P.P.E., electrical/GFCI, temporary lighting); , wrote and submitted daily safety inspection memos/reports to the contractor as well as the safety coordinator for BP/ Castrol Oil; and performed a surprise OSHA compliant inspection once per week and submitted the report to the contractor.

Seton Hall University, South Orange, NJ; 2005. Site Safety OSHA Compliant Inspector. This project involved repainting the dormitories and classrooms in Fahy and Aquinas Halls. Ms. Malenich ensured that the crews were working within standards and regulations according to OSHA.

Traffic Control Experience

- Rt. 46, Parsippany, NJ - Responsible for setting up lane closures (signs, barricades, cones and drums). Miscellaneous job tasks regarding flagging, jack hammer, grading and asphalt operations.
- Rt. 46, Rockaway, NJ – Lane closures, flagging, jack hammer, grading, asphalt worked the back of the paver (the screed)
- Rt. 94 & Rt. 181, Newton/ Sparta - Set up detour, flagging, alternate traffic, installed storm sewer and inlets; backfill and grating responsibilities; operated a sheep's foot roller, jumping jack and tamper plate.
- Rt. 519, Bellevidere - Alternating traffic for mobile operation, flagging.
- Rt. 604, Flanders - Alternate traffic.

Certified Traffic Control Coordinator

- Rt. 46, Parsippany, NJ - Responsible for setting up lane closures (signs, barricades, cones and drums). Miscellaneous job tasks regarding flagging, jack hammer, grading and asphalt operations.
- Rt. 9 & Rt. 34, Old Bridge - Placed barrier wall, lane closures, shoulder widening, grading, operated excavator loading trucks.

Safety Supervisor, Certified Traffic Control Coordinator

- Garden State Parkway, MP 129.7 to 138.1, Safety Supervisor - Directed a five (to eight) man crew, supervised lane closures, communicated with the designated state troopers for the Garden State Parkway, ordered safety supplies (signs, cones, drums etc.)
  Safety/Traffic Control on various city and town roads.

As a general laborer with a construction firm, she rebuilt weight station Rt. 80, which included digging, grading, concrete work, site work; rebuilt weight station Rt. 287, which included digging, grading, concrete work, site work; and created a drainage basin for mini-mall and performed site work for Rt. 9 located in Manalapan; 1994-1995

Igor Malkovskiy, P.E.
Senior Inspector

Professional Profile
Mr. Malkovskiy is a professional engineer with diversified experience in the construction and engineering industries. He provides supervision/inspection of construction and quality control activities for demolition of existing bridges and adjacent roadways, structural steel installation and modifications, pile driving operations, reinforcement steel, new high performance concrete bridge decks and bridge deck joints, parapets, median barrier, drainage, roadway lighting systems, sign structures and control systems, roadway reconstruction, asphalt paving, baseline control and monument installation, staged construction, including construction of mainline detour ramps, and extensive maintenance and protection of traffic. Mr. Malkovskiy's experience also includes erection of concrete foundations, utilities and utility relocation.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
Professional Engineer: 2004/VT
2010/NICET IV; 2004/NICET III
2012/Rutgers TCC Refresher
2010/ACI Concrete Field Testing Techn–Grade I;
2010/ACI-CCTC
2010/Rutgers Work Zone Safety Awareness; 2014/NJSAT

Education
Combined BS/MS/1980/Engineering, Highways and Roads

Total Years Experience 22

Project Experience
Construction Inspection Services for the Proposed Interchange at U.S. Route 22 and Chimney Rock Road, Township of Bridgewater; 2/13-Present, $57M. Bridge Inspector. This is a federally funded multidiscipline project to improve safety and achieve the current and future mobility goals of a highly congested area of Somerset County. The project will provide a full service interchange at U.S. Route 22 and Chimney Rock Road via Local U.S. Route 22 eastbound with the Mainline U.S. Route 22 depressed 18 ft. under Chimney Rock Road. The project also provides for improvements to the U.S. Route 22 corridor, generally between Interstate 287 on the western end and Thompson Avenue on the eastern as well as the widening of Chimney Rock Road between Thompson Avenue and Route 28, and the realigning and extending of Frontier Road to Chimney Rock Road. Bridge work includes the construction of a new vehicular bridge and railroad bridge over U.S. Route 22 along Chimney Rock Road as well as improvements to the existing bridge on U.S. Route 22 over the Middle Brook and the existing bridge over Interstate 287 on Chimney Rock Road. Some of the major items of work include: clearing, demolition, earthwork, ITS utility relocations aerial and underground, water, sanitary sewer, gas, electric, nightwork, concrete curb, sidewalk, drainage, milling, hmac paving, concrete decks, steel, precast structures, retaining walls, lighting, landscaping, construction in stages complex traffic control. Duties include the on-site inspection of the contractor's means and methods for clearing, demolition, extensive utility work, structure rehab foundation excavation, steel piles, and sub and superstructure reinforced concrete bridge items, night work. Client: Somerset County

NJDOT 2010 Region Central Resurfacing, Route 71 Sea Girt Avenue to Route 35, Monmouth County, NJ; 10/12-1/13, $9.2M. Inspector. GPI provided construction inspection services for this federally funded maintenance resurfacing project on Route 71. Project includes inspection of concrete curb, sidewalk, handicap ramps, bridge joints, milling, paving, striping, traffic control and night work. Client: NJDOT

NJDOT Route 17 Terrace Avenue Resurfacing, Bergen County, NJ; 8/12-10/12, $13M. Inspector. Construction inspection services for NJDOT Region North Route 17 Resurfacing from South of Terrace Avenue to South of West Saddle River Road in Bergen County. Duties included the on-site inspection of the contractor's means and methods for milling, reset heads, concrete curbs, surface preparation, and superpave items, temporary and permanent traffic stripes, maintenance and protection and traffic and nightwork. Client: NJDOT

New Jersey Turnpike Interchange 6 to 9 Widening Program; 12/10-8/12, $2.7B. Inspector for Contract No. T869.120.701 (approximately $52M) for NSO/NSI/SNI/SNO Roadway Grading, Drainage, Paving, Structures, and Lighting Milepost 69.3 to 70.6 in the Township of Cranbury, Middlesex County, NJ. Inspector for this Road and Bridge Project the grading, drainage, paving, structures, and lighting for NSO/NSI/SNI/SNO roadways project from MP 69.3 to 70.6 in the Township of Cranbury, Middlesex County. Duties included the on-site inspection of the contractor's means and methods for all items of construction including but not limited to: the reconstruction of the existing northbound and southbound mainline roadways, including the replacement of Structure No. 69.85, and construction of the proposed NSO and SNO roadways, including Structure Nos. 69.85SO and 69.85NO, the replacement of

Cranbury Station Road over the mainline; roadway improvements at Hightstown-Cranbury Station Road and a short length of Conrail track realignment, culvert extension, six retaining walls, and installation of three overhead sign support structures. Responsibilities include inspection of contractor bridge work including structural concrete, structural steel, deck joints and parapets and roadway work including for milling, reset heads, concrete curbs, surface preparation, superpave items, and maintenance and protection and traffic and nightwork. Client: NJTA

PANY&NJ Bayway Avenue Bridge Modifications as part of Howland Hook Marine Terminal – Staten Island Railroad North Connection to Chemical Coast Line Project (Contract NO.HH334.007); 2004-2005. Senior Construction Inspector. Performed daily construction monitoring services to ensure general compliance with Contract Plans and Specifications for demolition of existing bridge, construction of new bridge including piles, footings, piers, abutment, steel stringers, bridge concrete deck, precast concrete beams, approach slab, concrete waterproofing , bridge deck joints and reinforcement steel, sidewalk, headblock. Responsibilities also include monitoring of field testing of construction materials. Client: PANYNJ

Sussex County Term Agreement for Construction Administration and Inspection, Various Roadway and Bridge Improvements Projects; 7/10-12/10, $2.7M. Senior Bridge Inspector. Inspector for the replacement of Sussex County Bridge Q-11 carrying CR 620 (Glen Road) over Sparta Glen Brook, Township of Sparta. Duties included the on-site inspection of the contractor's means and methods for all items of construction including but not limited to: foundation excavation, footings, sheeting with anchors, and sub and superstructure reinforced concrete bridge items; installation of stream diversion and soil erosion and sediment control measures; MPT; assembly of Acrow bridge and construction of temporary single-lane-by-pass road; disassembly and removal of existing Glen Road bridge superstructure; installation of temporary support sheeting and tie-back system; demolition of existing concrete abutment and footings; construction of new concrete footings, abutments and wingwalls; installation of prestressed concrete beams and placement of concrete bridge deck; replacement and modifications of inlets and storm drains; roadway paving and striping; installation of new beam guide rail to connect to existing; remove temporary traffic signals an shift traffic to new bridge; remove temporary by-pass roadway and disassemble (Acrow panel) bridge. Client: County of Sussex

NJTA OPS P3323 Construction Management for Contract P100.108, GSP Bridge Deck Repairs & Resurfacing, MP 126-172, Middlesex, Union, Essex, Passaic and Bergen Counties, NJ; 5/10-7/10, $7.5M. Senior Inspector. Responsible for the supervision of the replacement of deteriorated concrete bridge deck slabs; repairing deck spalls; repairing and reconstruction of deck joints; repairing headers; removing asphalt surfacing; placing new membrane waterproofing; resurfacing approach roadways and bridge decks; pavement striping and other incidental work on various bridge structures along the Garden State Parkway from MP 126 to MP 172. Client: NJTA/GSP

NJDOT Bridge Deck Replacement Route 46 and Route 17, Clifton NJ; 6/09-5/10, $10M. Senior Construction Inspector for NJDOT's Bridge Deck Replacement Route 46 and Route 17, Clifton, NJ. Duties included the on-site inspection and quality control for the contractor's means and methods for the major items of work including: superstructure replacement, reinforced concrete bridge items, new beams, deck parapet, abutment and piers, demolition of existing bridge and adjacent roadways, clearing site bridge , structural steel removal and installation, headblock reconstruction, repairing and reconstructing deck joints, repairing headers, bridge deck joints and reinforcement steel, replacing deteriorated concrete bridge deck slabs with new high performance concrete bridge decks, parapets, replacement of median barrier, drainage, roadway lighting systems, sign structures and control systems, roadway reconstruction, HMA paving, baseline control, staged construction including extensive maintenance and protection of traffic with full RT 46 closure, day and nighttime operations; elastomeric bearing replacement, field welding and bolting of structural steel members, membrane waterproofing, substructure repairs, repairing deck spalls, milling and removing asphalt surfacing, placing new membrane, water main and gas main installation under the bridge. Responsibilities also include field testing of construction materials. Client: NJDOT

NJTA-GSP Contract No. P300.043, Interchange 67 Ramp Improvements, NJ; 9/08-6/09. Senior Construction Inspector. Responsibilities included supervision/inspection of construction and quality control activities for demolition of existing bridges and adjacent roadways, construction of two new bridges and ramps. Responsibilities also included field testing of construction materials. Client: NJTA

Jeffrey Mando
Senior Inspector

Professional Profile
Mr. Mando possesses the following experience.

Project Experience
2011-2014 Port Authority On-Call Construction Management Services – Port Authority Bus Terminal, Various Contracts, New York, NY; 9/11-Present. Senior Inspector. These projects involve construction management and inspection services on an on-call basis. The Port Authority of NY & NJ supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Under this on-call contract, Mr. Mando has been involved on the following projects:

- **Lincoln Tunnel Bus Ramps Deck Replacement, Phase II, Contract #LT-234-174, New York, NY**; 2010-Present. Inspector. This project involves the rebuilding and rehabilitation of the ramps connecting the Lincoln Tunnel with the Port Authority Bus Terminal. Mr. Mando's responsibilities include quality assurance inspection of all construction activities including demolition of existing structures, replacement of sub- and superstructure elements. The project includes inspection of removal and installation of the savaloid system; demolition of existing roadway bus ramp and installation of pre-cast panels; installation of mechanical snow melting system and roadway insulation; shear stud installation; demolition and replacement of sign gantry's and structure; installation of temporary roadway lighting; guardrail installation; installation of steel column protection; cast-in-place concrete for deck replacement; spall repair for roadway and parapet walls; replacement of parapet walls along roadways; placement and curing of latex modified concrete; coordination of work between contractors and Bus Terminal and Lincoln Tunnel facilities; and MPT on the bus ramps and surrounding streets. He is also involved with the review of inspector's daily narratives; generation and review of extra work estimates; review of payment applications; and preparation of meeting minutes and notifications.
- **Lincoln Tunnel Rehabilitation of Dyer Plaza Sump Ceiling Slab, Contract # LT 234.054, New York, NY**; 2009-9/11. Inspector. This project involved deck/ceiling slab replacement of the Lincoln Tunnel sump room on the New York side of the Lincoln Tunnel , center tube. Mr. Mando's responsibilities included quality assurance inspection of all construction activities including demolition of existing structures, replacement of sub- and superstructure elements. The project also involved demolition of existing roadway/sump room ceiling slab and installation of pre-cast panels, cast-in-place concrete for deck replacement, installation of duct tensioning rods, coordination of work between contractors and facility; and MPT on the bus ramps and surrounding streets.
- **Port Authority Bus Terminal - Structural Modifications, Contract # BT 254.220, New York, NY**; 8/05-9/11. Mr. Mando served as an inspector for this $50-million project that provided the required strengthening to maintain structural integrity of the Port Authority Bus Terminal in New York City during a seismic event. Structural modifications (seismic retrofit) strengthened the bus terminal building structures with shear walls, bracing, and truss members to resist moderate seismic loads in the north south and the east west directions for the south wing and expansion joint bracing for the north wing of the Port Authority Bus Terminal. It also required relocation of the existing electrical, electronic communication, HVAC, plumbing and fire protection system in order to perform the work. Mr. Mando's responsibilities included quality assurance inspection of all construction activities including demolition of existing structures, installation of structural steel bracing, and fin trusses; surveys, removal, relocation, and installation of mechanical and electrical utilities; architectural finishes to interior, exterior shear walls, bus gates, concourse areas, and tenant spaces; coordination and scheduling of work between contractor, facility (Port Authority Bus Terminal), and tenant spaces; Maintenance and Protection of Traffic (MPT) on the bus ramps, inside the facility roadways, bus gates, and surrounding streets;

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2012/ACI Concrete Construction Special Inspector
2001/ACI Concrete Field Technician Grade 1

Education
AA/2005/Liberal Arts

Course Work
2008 - 10-Hour OSHA Training Course
2008 - New York City Dept. of Buildings 4-Hour Scaffold Training under Local Law 52
2007 - 10-Hour OSHA Training Course
2006 - NICET I Transportation Engineering Technology Highway Construction
2003 - American Welding Society - Fundamentals of Welding Quality Management
New York State Boating Certified

Total Years Experience 17

performing job site safety inspections for work sites and personal protective equipment; generating estimates for extra work being performed by contractor and daily narratives; and administrative work at field office filing, shop drawings, and maintaining all aspects of maintaining an efficient office.
Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services – Port Authority Bus Terminal, Various Contracts, New York, NY; 8/05-9/11. Inspector. These projects involved construction management and inspection services on an on-call basis. The Port Authority of NY & NJ supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Under this on-call contract, Mr. Mando was involved on the following projects:

- **Port Authority Bus Terminal - Structural Modifications, NY Priority Repairs, Contract # LT 521, New York, NY**; 9/09-5/10. Mr. Mando served as an inspector for this $1-million project which consisted of providing for rehabilitation of concrete and steel elements at the LT Bus Ramps (including replacement of unsound concrete at columns, beams, deck slabs and bearing pedestals), replacement of deteriorated anchor bolts and nuts, installation of steel plates, angles and bolts to reinforce steel bearing pedestals and girders and installation of wire mesh safety netting. Mr. Mando's responsibilities included quality assurance inspection of all construction activities including demolition of existing structures; installation of steel; installation of mechanical utilities; coordination and scheduling of work between contractors and the facilities (PABT/LT); MPT on the bus ramps and city streets; performing job safety inspections and personal protective equipment; generating estimates for extra work being performed by contractor; daily narratives including administrative work filing, shop drawings and maintaining all aspects of an efficient office.
- **Port Authority Bus Terminal Ramps Reconstruction, New York, NY**; 6/02-8/05. Inspector. This $50-million project focused on the rebuilding and rehabilitation of the ramps connecting the Lincoln Tunnel with the Port Authority Bus Terminal. Mr. Mando's responsibilities included quality assurance inspection of all construction activities including demolition of existing structures, replacement of sub- and superstructure elements. The project also included inspection of removal and installation of the savaloid system; demolition of existing roadway bus ramp and installation of pre-cast panels; installation of mechanical snow melting system and roadway insulation; shear stud installation; demolition and replacement of sign gantry's and structure; installation of temporary roadway lighting; guardrail installation; installation of steel column protection; cast-in-place concrete for deck replacement; spall repair for roadway and parapet walls; replacement of parapet walls along roadways; placement and curing of latex modified concrete; installation of structural steel for seismic retrofit bracing inside the bus terminal; coordination of work between contractors and facility; and MPT on the bus ramps and surrounding streets.

Client: Port Authority of NY & NJ

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 5/01-12/02. Inspector. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Mando's responsibilities included removal and installation of structural steel cantilever floorbeams, lateral bracing, orthotropic steel deck panels, concrete filled steel grid deck, inspection of shielded metal arc welding and submerged arc welding, inspection of neoprene cable wrap maintenance, inspection of Stirling Lloyd waterproofing membrane system, punch list surveys, condition surveys of under deck flexible shield system. Work tasks also included writing inspector's daily reports and measurement and/or calculation of contract item quantities. Client: New York City Dept. of Transportation

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, BRC1568C, New York, NY; 10/97-2/01. As an inspector, Mr. Mando was responsible for maintaining engineer's daily diary and shop drawing file. He was also responsible for assisting the office engineer in all aspects of maintaining accurate office records. In addition, on this $124-million project, he performed inspection of the truss bearing replacement operation, including truss jacking, removal and replacement of structural steel bearing assemblies and concrete pedestals as well as various other structural steel installation operations. Client: New York City Dept. of Transportation

John Marcel
Senior Inspector

Professional Profile
Mr. Marcel's many years of experience encompasses all general components of bridge and highway construction. He has acquired the experience from construction inspection assignments with New York State Dept. of Transportation, New York City Dept. of Transportation, New Jersey Dept. of Transportation and various other municipalities and utility companies.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2010/NICET IV
2008/NACE Coating Inspector Level 1 - Certified

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2008 - 10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training

Total Years Experience 25

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 2/14-Present. Senior Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Marcel is responsible for overseeing all aspects of preparation for the new bridge pier footing. This includes verifying survey; installation of 24 x 131 steel sheeting sections for pits at proposed pier locations; h-beam and 18-in. dia. pipe pile as required for temporary bridge support towers and/or new pier foundation construction; and verifying actual embedment depths of all materials noted above. Client: Port Authority of NY & NJ

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 7/13-2/14. Senior Inspector. This $149-million project involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Marcel was responsible for overseeing the current bridge painting; noting and recording additional areas requiring attention through daily visual inspections of contract locations such as the main cable bands, upper/lower chord areas of four trusses, new gusset/continuity plating-bolting, all new steel and stringer repair locations, etc.; inspecting and monitoring both mixing and application of the four-part coatings systems approved for project, "Carboline" and "Sherwin Williams", to be sure they were performed in accordance with respective manufacturer data sheet criteria to ensure acceptable final coating conditions were attained. Client: New York City Dept. of Transportation

REI for the Rehabilitation of High Bridge, Boroughs of Manhattan and Bronx, NY; 11/12-7/13. Senior Inspector. This project involved rehabilitation of the masonry arch spans, steel arch span (including deleading and painting), brick arch deck, and brick walkway; stabilization and conservation of the aqueduct pipe; providing barrier-free access and safety for pedestrian and wheeled users; rehabilitation of historic railings and walkway lighting posts; providing architectural lighting (as funding allows); and providing a visitor information system consisting of way finding signage and aqueduct interpretative signage. Mr. Marcel was responsible for overseeing all aspects of contractor mobilization activities in preparation for full-scale production work operations and providing daily inspection of all ongoing work operations for conformance to approved shop drawings and contract specifications, specifically for: construction of dual work platforms (typically 22 gage metal decking) which were suspended under the steel and concrete arch bridge structures and were utilized for existing steel member repairs, class 1A containment installation, and abrasive blast cleaning w/application of a three-coat zinc based coating system. Client: New York City Dept. of Design & Construction

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 9/12-10/12. Senior Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures were new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation. Mr. Marcel provided inspection for the cleaning/painting portion of the project. This included covering inspection of the painting

subcontractor who prepared/cleaned all new tub girder splice plates/related bolting along with all cross bracing connection plates/related bolting to an acceptable SSPC guideline. This was followed with the inspection of a three-coat paint system application on same. The method of cleaning was by hand/power tool to remove any rusting, etc. This was followed with approved solvent cleaning. Application of primer/intermediate and finish coats was accomplished mainly by brush/roller method, but airless type spray system was also utilized at times (mostly on finish coat). All phases of details noted above were visually inspected from manlift upon completion, and consent was given to foreman for proceeding to next phase if acceptable. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 2/12-7/12. Senior Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. Mr. Marcel's responsibilities included overseeing the completion of NYCDOT Kent Avenue maintenance yard restoration. Work included placement of P.C.C. and waterproofing/joint sealing of same; asphalt restoration utilizing 12.5 mm superpave type mix; installation of perimeter 6-ft chain link fencing with barb wire/razor tape; and overseeing project line striping item work on Manhattan and Brooklyn approach areas consisting of thermoplastic and epoxy type material placements for edge lines, skips, symbols, etc. per contract plan sheets. Client: New York City Dept. of Transportation

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 4/10-2/12. Senior Inspector. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. Mr. Marcel's responsibilities included inspection of platform and containment erection, surface preparation (sp10, sp2, sp3), and application of a four-coat paint system including surface profile measurements, chloride testing, and dry film thickness measurements. He was also responsible for overall compliance to contract documents during all activity conducted by subcontractors during overnight shift including noise mitigation compliance. Activity in progress included main bridge approach roadway replacement with superslab system; bridge ramps fascia stringer replacements; ramp deck/roadway demolition and replacement with partially filled grid deck sections which receive concrete closure pour and 2-in. asphalt overlay; and roadway demolition preparation for installation of temporary plating system over Franklin Square structure in preparation of eventual orthotropic deck replacement. Mr. Marcel was also responsible for the performance of an eight-person team of inspectors and also acted as the contact person for the New York City Dept. of Transportation. He attended meetings and resolved issues that arose on the project. He was responsible for the preparation of nightly I.D.R., payment entries when required; emailed early a.m. summary of all previous night's activities including any incidents/MPT issues to resident and chief resident engineers. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 1/08-4/10. Mr. Marcel served as an inspector for this $138-million project that involved construction engineering and inspection for the widening, redecking and repainting of this 850,000 sq ft viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume, major interstate urban highway/bridge included replacement of more than 400 bearings and 1,500 meters of bridge expansion joints. The structure had seismic reinforcement installed which included retainers and plates at the top of columns and additional stiffeners and plates at the base. Also included was extensive coordination with agencies and local communities. Mr. Marcel was responsible for the installation of SSPC Class 1A containment systems for lead content paint removal operation via abrasive blasting method along with ensuring application of three-coat moisture cured paint system. His responsibilities also included daily monitoring/documentation of this operation including contractor's compliance to any related OSHA/EPA regulations. Client: New York State Dept. of Transportation

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 11/06-8/07. Mr. Marcel served as inspector on this $150-million project that involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge in suspended and approach spans; and repair of flagged conditions. His responsibilities included installation of lower roadway grid deck and placement of concrete in grid deck and approaches of the lower roadway. Client: New York City Dept. of Transportation

ASSIGNMENT

Senior Construction Inspector

EDUCATION

BA, University of Pittsburgh, May 1997

REGISTRATION

ACI Level 1 Certified and ACI Level 2 Concrete Construction Special Inspector (CCSI) Certified
ICC Structural Masonry Special Inspector; ICC Structural Steel and Bolting Inspector, ICC Sprayed Applied Fireproofing Special Inspector
NICET Level 2 in soils, asphalt, and concrete
10 Hour OSHA Certified; QC Resource Training, OSHA Confined Space, NYCDOB 4 hour Scaffold
PATH Employee in Charge Trained (EIC)

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. McBride has 17 years experience in construction inspection for infrastructure, transportation, and government facilities. He has an extensive background in heavy civil, concrete, rebar, masonry, structural steel, welding, and asphalt, electrical ductbanks and inspection for compliance with plans and specifications. In addition, Mr. McBride is certified to perform concrete testing, soil density testing, structural steel and bolting, asphalt density testing, and structural masonry and grout inspections. He is familiar with Port Authority systems, and contract requirements; including lump sum, unit price, and net cost contracts and procedures.

- **Senior Construction Inspector, Port Authority of NY & NJ, New York Marine Terminals and PATH: NYMT** - Duties include estimating lump sum, unit price, and net cost contracts within for NYMT projects. Oversee specific construction activities such as new flood zone protections barriers/foundations, constructing new Power Substations, Backflow Prevention, Water Meter, and HVAC upgrades; underwater steel sheeting, concrete girders, and pile repairs- to ensure conformance with approved designs/plans are followed. Also scheduling the required inspections per NYC Building- Concrete, Welding, Masonry & Soils. **PATH** - as an EIC/Inspector, manage the site activities within the PATH Tunnel systems and coordinate with Trainmaster while Contractors work on the Interior Strengthening of tunnels and upgrading the communication systems with 800 MHz Integration. Also involved with the CMD Inspection Team that oversees the Harrison, NJ, McMillian C-Yard, Jersey City, NJ restoration projects with Backflow Prevention System upgrades Cathodic Protection connections, and immediate repair work around each facility. (5/12 – Present)

- **Field Inspector, Various Clients** – Performed controlled special inspections for NYCSCA at various schools and structural stability repairs at NYC Housing Authority. Performed inspection of structural reinforcement and formwork at WTC – Vehicle Security Center. (6/10 – 5/12)

- **Senior Construction Inspector, Port Authority of NY & NJ, WTC Reconstruction** - Duties included inspection of Tower 1, Freedom Tower. Specific assignments include foundation footings, concrete and rebar for footings, formwork, conduits in slabs, storm drain hardware, and fuel oil piping

in lower basements. Oversee that steel, concrete, bolting, waterproofing and welding is in accordance with plans and specifications. (6/09 – 6/10)

- **Field Inspector, NYCSCA, Various Projects** – Performed concrete, rebar, fireproofing and masonry controlled inspections for various SCA projects in Queens, NY. Concrete: monitored placement, ran slump, air, unit weight, and temperature tests to ensure mix design requirements are met; Rebar: inspect size, spacing, clearance and details according to approved shop/contract drawings; fireproofing and monitoring the thickness and correct specifications of SFRM is applied to structural steel members and correct extensive patchwork punchlist due to MEP trades removal of pre-existing SFRM. Masonry: monitored reinforced mortar / grout mix and application to constructed walls as per approved design contract documents. (5/09 – 6/09)

- **Project Inspector, Port Authority of NY and NJ, John F. Kennedy Airport; Aug 2002 – Dec 2008**
  - > ***Jetblue Airways, Terminal*** - Performed inspection of construction activities to ensure conformance with approved designs/plans including soils, concrete, and rebar. Facilitated communication between CM, architects and Engineers. Monitored project cost and schedule performance against Jetblue's Accepted Program. Worked with site staff to maintain a safe environment for the project employees and site visitors. (4/06 – 12/08)
  - > ***A380 Redevelopment, Terminal 1*** - Hired by Av Air Pros Services to oversee the project with CM. Responsible for all controlled inspections from foundation, core and shell of each Gate constructed, asphalt and concrete for outside aprons in area of the gate. (1/06 – 11/08)
  - > ***Southwest Airline, Long Island MacArthur Airport, Ronkonkoma, NY*** - Duties included managing and inspecting the demolition and reconstruction of the airside pavement. Inspect the soil / RCA sampling and compaction, asphalt placement for runway aprons, rebar and correct placement.
  - > ***Multi-tenant Cargo Facility Tract 8 & 9A*** - Responsible for inspection of masonry, rebar, concrete, hydrostatic testing, hydrant flow testing, gas leak testing, duct leak testing, and curtain wall. (8/02 – 6/03)

- **Project Inspector, Borgata Casino North Expansion Project, Atlantic City, NJ** - Monitored field staff and daily activities. Inspected asphalt for parking lots and entrance way. Ensured that all inspections were done according to specs and building code. (11/04 – 7/06)

- **Project Inspector, United Nations Federal Credit Union, Long Island City, NY** - Scheduled daily activities in consultation with CM. Monitored controlled inspections for concrete, masonry, welding, bolting, fireproofing, firestopping, curtain wall, soil compaction and waterproofing. (10/04 – 5/06)

- **Project Inspector, Bank One Data Center, Brandywine, Delaware** - Monitored control inspections including soil/subgrade, asphalt, rebar, concrete, masonry, curtain wall, welding, bolting, fireproofing, and firestopping. Hired and trained additional workers to staff the team when project was behind schedule due to the weather. (6/03 – 9/04)

- **Project Inspector, Newark International Airport, Newark, NJ, (Terminal C Parking Garage)** - Provided oversight and inspection for load tests, pile driving, concrete, rebar, masonry, electric ductbank installation and curtain wall. (5/00 – 9/01)

ASSIGNMENT

Senior Construction Inspector

EDUCATION

BSCE Civil Engineering, Howard University, 2003

REGISTRATION

ACI Concrete Level I, OSHA 10 hour Training, NJ Transit Railroad Safety Training, American Society of Civil Engineers, Structural Masonry Inspection, Structural Steel & Bolting Special Inspection

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. McLean has over thirteen years of experience in the construction inspection of bridges, highways, and infrastructure projects. His experience includes inspection of bridge substructure, superstructure, deck, cast-in-place concrete, rebar, bearings, painting, electrical, and maintenance and protection of traffic during both day time and night time operations.

- **Senior Construction Inspector, Bayonne Bridge Navigational Clearance Program (BBNCP), Port Authority of NY & NJ** - Senior Construction Inspector for this $743 million Bayonne Bridge Navigational Clearance Program (BBNCP). This multi-stage project will replace over 5,000 feet of Bayonne approach and Staten Island approach viaduct with cast-in-place and precast structural elements and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Duties include construction inspection of approach viaduct substructure and superstructure for compliance with plans and specs. Work involves concrete demolition construction, steel, rebar, and falsework. (11/13 – Present)

- **Senior Construction Inspector, TBTA, Henry Hudson Bridge, Upper Level Rehab, HH-10** – Served as Construction Inspector for this $33 million rehabilitation contract, involving removal and installation of the upper level curb stringers, deck replacement, and replacement of roadway lighting and electrical at the Henry Hudson Bridge. Inspected new asphalt pavement, new construction signs, new silt fence and the removal and installation of new 6", 4" ductile iron pipe for new scuppers on bridge. Also, monitored clearing and grubbing on bridge and planting of new trees. Prepared monthly erosion and sediment control report on bridge. Oversaw the inspection of the installation of new dry standpipe for FDNY on bridge. Also, inspected new line stripping and installation of bridge sidewalk concrete. In addition, inspected the installation of overhead sign on bridge. The scope of work includes: steel and concrete demolition; structural steel repairs/replacement; concrete-filled grid deck; concrete parapet construction; lead paint removal and repainting; electrical distribution; and maintenance & protection of traffic. This project also involves staged construction, 24-hour multi-shift operations and work over active railroad lines. (6/11– 10/13)

- **Senior Construction Inspector, MTA-TBTA, Anchorage and Tower Protection at the Throgs Neck Bridge, NY (TN-87B), ($12M)** - Performed inspection on structural steel and timber members on the fender system of bridge tower for repairs and prepared reports of inspection findings. Reviewed contract plans, specification for the inspection of structural steel members and installation of new navigation lights and electrical wiring on bridge. Inspected the placement of concrete in steel post for fender system on bridge. (3/11- 6/11)

- **Construction Inspector, NYS Thruway Authority, Safety Upgrades MP46.0-MP60.5, Newburgh, NY, ($2M)** - Performed inspection of the removal and installation of new guide rail system, Pier protection, Delineators, Mile markers and shoulder backup for safety upgrades between MP46.0-MP60.5 in accordance with contract plans and specification. Also, responsible for payments to contractor for the installation of contract quantity items. (12/10 – 2/11)

- **Construction Inspector, MTA-TBTA, Henry Hudson Lower Level Bridge Rehabilitation Project, Bronx, NY, ($90M)** - Assigned to work on the Henry Hudson Bridge rehabilitation project over the Harlem River. This bridge is a riveted steel arch structure consisting of a lower and upper roadway deck with 143 feet navigation clearance. Responsible for ensuring that the contractor installed new structural steel members such as floor beams, stringer, diaphragms, tower bracket plates, columns, Inspection platforms, new seismic retrofit repair plates and angles on bridge according to contract plans and specification. Observed the torque testing of structural steel bolts using a calibrated torque wrench by field technicians and reviewing their reports. Also, made monthly payments to contractor for the installation and removal of structural steel items. Observed the jacking of bridge and replacing existing bearings with new seismic isolation bearings. Inspected the installation of new roadway lighting system and new branch feeder wires for lighting system. Ensured that contractor installed new 5KV cables, communication cables and pull boxes on bridge according to contract plans. Observed the pulling, splicing and terminations of new cables and wires on bridge. Observed contractor installing new navigational lights on bridge and Hi-Pot and insulation resistance testing on the 5KV cables. Observed the placement of concrete for new bridge deck, barriers, retaining wall and the testing of concrete by technicians. Inspected the painting of structural steel members on bridge, the payment of these painting quantities and reviewing painting reports. Created punch list items for various contract items. Reviewed RFI'S, DCN, shop drawings and performed project calculations. (4/09 – 9/09)

- **Structural Engineer, DRPA, TBTA, New Jersey Transit Railroad Project, New Jersey Garden State Parkway, Hamilton, NJ ($15M)** - Performed biennial inspections of Ben Franklin and Verrazano Suspension Bridges, New Jersey Garden State Parkway Bridge and New Jersey Transit railroad bridges and submit report of inspection findings. Created construction staging, check load rating, develop schedules, cost estimates and calculate engineering quantities for bridge rehabilitation project on the Garden State Parkway. (5/07 – 9/08)

- **Transportation Engineer, FHWA, MSHA, DCDOT, VDOT, Woodrow Wilson Bridge Project, Alexandria, VA ($2.4B)** This project is seven and half mile long consisting of twelve lanes on the main span of the bridge. Responsible for reviewing contract plans and specifications to ensure permanent materials used in bridge meet contract requirements. These tasks included checking to make certain material delivered were from an approved source of supplier, material certifications had approved MSHA stamps and mill test report. Assisted with monthly materials clearance report, sending materials clearance report to MSHA materials engineer for review and conducting material certifications. Observed the placement of concrete for V shaped piers, lightweight concrete deck and concrete for the operator tower house. Observed the testing of concrete by technicians to ensure that testing was done according to specifications. Responsible for ensuring that the contractor stressed post tension tendons to the correct pressure and obtaining the desired elongation for the cast in place segments of the V shape piers. Observed the stressing of post tension bars and the grouting of the bars and strands. Inspected reinforcing steel for cast in place segments of the V shaped piers and deck. Observed the installation of lead balance blocks and lead balance plates in the counterweight box of bridge. Inspected concrete block wall for electrical room and pulling of control submarine cables for the electrical system of bridge. (4/04 – 4/07)

ASSIGNMENT

Senior Construction Inspector

EDUCATION

Community College of Brooklyn
Mechanics Institute of Technology

REGISTRATION

NICET IV, Transportation and Highway Construction
OSHA 10 Hour Certified, SWAC Certified, TWIC Certified
ACI Level 1 Certified, ACI Level 2 Concrete Construction Special Inspector Certified
ICC Structural Steel Bolting Certified

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. McMahon has over 40 years of construction inspection experience in marine terminal, railroad, highway, bridge and transit projects. He is proficient at keeping daily records and reports. Mr. McMahon is familiar with Port Authority, New York City DEP, and New Jersey Turnpike systems and procedures.

- **Senior Inspector, Port Authority of NY & NJ, Term Agreement –**
  - > ***Contract EWR 154.172, Rehabilitation of Runway 4L-22R and Delay Reduction Initiatives*** – Duties include removing and replacing existing concrete and asphalt along runways and taxiways; Remove and replace runway and taxiway lighting; Install new drainage and waterlines; Remove and replace existing sign foundations and signs; and Complete grooving of runway.
  - > ***Contract EWR 154.119, Rehabilitation of Taxiway "P" and Implementation of Delay Reduction*** – Duties include removing and replacing concrete and asphalt along taxiways; Install new handholes and conduit; and Install new centerline lighting and runway edge lights. (10/13 – Present)

- **Senior Inspector, Port Authority of NY & NJ, Term Agreement –**
  - > ***Contract PN 654.527 - Port St. / Brewster Rd. Connector*** – Widening & realignment of Port St. & north entrance to EWR. The work for this $30 million project includes full depth pavement removal / Replacement, traffic signal relocation, overhead sign structures and utility work.
  - > ***Contract MFP 957. 101 – Removal / Disposal of Hazardous & Contaminated Materials Via Work Order*** – Removal of Unsuitable / Contaminated Boulders & soil from various Port Jersey & Port Newark sites ($10 million).
  - > ***Contract PN 354.042A - Berth 8 & 10 Wharf Rehab*** - Demolished existing berth, installed approximately 400 new 18" steel pipe piles, precast & cast in place concrete panels. Installed new concrete deck, new 12" water line ($30 million).
  - > ***Contract PN 800.219 - Berth 36/63 Reconstruction*** - Demolished existing berth, remove unsuitable material, dredge area, installed new 12" steel pipe piles. Installed cast in place concrete panels & deck, new 12" water line.
  - > ***Contract EP 384.063 - Construction of Expressrail Tracks 9 thru 18*** - Installed (11) new rail tracks, concrete runways, high mast lighting & UG utilities.

- > *Contract EP 384.045 - Design / Construction of Tracks 1 Thru 9* - Installed (8) new rail tracks, Concrete runways, high mast lighting & UG utilities.
- > *Contract MFP 654. 041 - Disposal of Hazard / Contaminated Material Via Work Order* - Removal of Unsuitable / Contaminated material from various work sites. (11/08 – 9/13)

- **Senior Inspector, Port Authority of NY and NJ, Marine Terminal Facility- Port Newark/Elizabeth, New Jersey** - Responsible for field inspection, including maintaining records of contract quantities, time and material records, coordinating with utilities and tenant requirements, negotiating invoices and change orders. Projects included new lead track for Expressrail Intermodal Facility, Tracks 9 and 10 to Maher Terminal, installation of security cameras and fencing, Bridge reconstruction involving abutment structures, asphalt pavement and relocating existing water main on bridge over Conrail; Installation of overhead flashing lights, signs and pavement markings at Port Street Railroad crossing; Installation of new 136# rail to service Sealand and Maher Terminal including new concrete crossings and railroad signals; Installation of new fire and domestic water pumping station with 2 new 1 million gallon water storage tanks and metering stations; and Repair of existing 136# railroad siding and installation of new concrete crossing; Berth 36/63 Wharf repair, Berth 8/10 Wharf repair, North Avenue/McLester Street curve realignment, disposal of hazardous materials, and pavement/utility rehabilitation work. (1/01 – 10/08)

- **Resident Engineer/Project Manager, New Jersey Turnpike, Utility Installation** - Performed Resident Engineering, including construction inspection of contractor's means and methods for this project including jacking and boring of 300 LY, of 72" dia. Pipe casting under N.J. Turnpike. Owner's direct representative on-site, oversaw quality of work, maintained record of contract quantities, material certifications and coordinated all as-built drawings with client. (4/95 – 12/00)

- **Project Manager, Metro Link, Light Rail Project** - Responsible for installation of approximately 12 miles of new railroad track between Lancaster and Palmdale, California. Managed and coordinated all construction and field inspection, coordinated construction work schedules with contractors, negotiated change orders and invoices. (1/93 – 9/93)

- **Resident Engineer/Deputy Construction Manager, NYCDEP, Rehabilitation of Fresh Kills Landfill** - Responsible for the rehabilitation of the Fresh Kills Landfill site improvements (Final Cover and Closure) and related consent order work. (7/91 – 12/92)

- **Resident Engineer, New Jersey Highway Authority, Resurfacing MP 38 to MP52, Garden State Parkway** - Duties included on-site owner's representative and oversaw quality of work and schedule. Performed construction inspection for $10 million median barrier, guide rail and resurfacing project for Garden State Parkway between M.P. 38 to M.P. 52, including night time operations and strict MPT guidelines. Inspected milling, paving, drainage, guide rails, and striping. (6/89 – 6/91)

- **Resident Engineer, NYCDEP, Clay Capping of 40 Acres** - Maintained records for clay cap certification, storm, water management including sedimentation basins and associated structures, wetland remediation and passive gas venting systems. All work conformed to NYSDEC regulation part 360. (7/88 – 5/89)

Amit Mukheja
Coatings Inspector

Professional Profile
Mr. Mukheja is a coatings inspector with the following experience.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2014/NACE Coating Inspector Level 2 - Certified
2010/SSPC - C3 Supervisor/Competent Person-Deleading

Education
AAS/2010/Applied Science

Course Work
2011 - 30-Hour OSHA Training Course
2010 - Method 9, 40 CFR 60 Appendix A Certified Visible Emission Reader

Total Years Experience 4

Project Experience

REI for the Rehabilitation of High Bridge, Boroughs of Manhattan and Bronx, NY; 3/14-Present. Coatings Inspector. This project involves rehabilitation of the masonry arch spans, steel arch span (including deleading and painting), brick arch deck, and brick walkway; stabilization and conservation of the aqueduct pipe; providing barrier-free access and safety for pedestrian and wheeled users; rehabilitation of historic railings and walkway lighting posts; providing architectural lighting (as funding allows); and providing a visitor information system consisting of way finding signage and aqueduct interpretative signage. Mr. Mukheja's responsibilities include observation and documentation of work operations via daily reports and pictures; ensuring worker's compliance with PPE and fall protection; observation and documentation of scaffolding and platform erection according to project specifications; and ensuring that MPT is according to project specification to ensure public safety. Client: New York City Dept. of Design & Construction

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 5/13-3/14. Coatings Inspector. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Mukheja's responsibilities included observing installation and removal of containment and rigging; observing and documenting mobilization of equipment; observing and documenting of contractor's activities via daily reports; documenting the batch numbers of the paint used and observing mixing of the paint prior to coating application; inspection of surface preparation of steel and coatings as per project specification; performing DFT testing, chloride testing, and abrasive blast inspection to ensure blasting and painting operations were in compliance with project specification; and performing ambient temperature monitoring to ensure that the manufacturer's specifications were followed and all coatings were applied in acceptable conditions. Client: New York City Dept. of Transportation

Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, Queens, NY; 8/13-9/13. Coatings Inspector. The project involved construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involved the complete replacement of five bridges, the reconstruction of one bridge along the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. His responsibilities included observation and documentation of removal of lead paint from concrete beams in pedestrian tunnel via daily reports and pictures. He ensured crew used proper PPE during lead removal operations, and also ensured public safety during lead removal operations. Client: New York State Dept. of Transportation

Amit Mukheja
Coatings Inspector

Protective Coating of Staten Island Railroad Bridges, Staten Island, NY; 5/12-5/13. Coatings Inspector. Mr. Mukheja's responsibilities included monitoring maintenance and protection of traffic and project safety; taking field measurements, compiling data, and calculating pay item quantities; inspection of Class 1A containments which involved installation of cables and scaffolding equipment and corrugated steel platform to access the work; inspection of abrasive blasted steel to an SP10 and power-tooled steel to an SP15; inspection of cured coatings and dry film thickness to ensure proper coverage; inspection of the work area and contractor's yard to ensure materials were secured, and that the public was not affected by the contractor's equipment or material; conducting testing on cleaned steel to verify cleanliness which included profile readings and chloride testing; creating tracking logs for blasting, power tool cleaning, painting, touch-up, and punch list items; ambient temperature monitoring to ensure manufacturer's specifications were followed and coatings were applied in acceptable conditions; monitoring of mixing and thinning of a five-part coat system which included a zinc coat, a zinc stripe coat, a rust sealer, a mid-coat, and a finish coat; and monitoring of worker's safety which included ensuring workers wore the proper PPE such s half face respirators when working with lead and harnesses when working above six ft. Client: New York City Dept. of Transportation

Protective Coating BSHP Bridges, NY; 4/11-8/11. Environmental Inspector. Mr. Mukheja's responsibilities included conducting inspection of Class 1A containment to ensure proper construction and operation of the containment, ensuring proper clean up of spent waste in the containment; inspection of work area for spills and ensuring contractors' clean up and storage of waste and debris on site; assessment of Class 1A ventilation system as well as visible emission monitoring; inspection of Class 3P containment and ensuring use of HEPA vacuum and shroud on the operating tools; setting up and collecting high-volume TSP filters and personal air monitors; ensuring employee's compliance with the respirator protection, PPEs, fall protection, and personal hygiene practices in the field; inspection of hazardous waste storage, packaging, and labeling; and observing contractors' safe operation on the roadway and near public. Client: New York City Dept. of Transportation

Protective Coating of the Brooklyn-Queens Expressway, Bronx, NY; 11/10-3/11. Environmental Inspector. Mr. Mukheja's responsibilities included conducting inspection and audit of Class 1A containment to ensure proper construction and operation of the containment, ensuring proper clean up of spent waste in the containment; inspection of work area for spills and ensuring contractors' clean up and storage of waste and debris on site; assessment of Class 1A ventilation system as well as visible emission monitoring; inspection of Class 3P containment and ensuring use of HEPA vacuum and shroud on the operating tools; setting up and collecting high-volume TSP filters and personal air monitors; ensuring employee's compliance with the respiratory protection, PPEs, fall protection, and personal hygiene practices in the field; assisting with establishing regulated area monitoring; inspection of hazardous waste storage, packaging, labeling, and transportation; and observing contractors' safe operation on the roadway and near public. Client: New York City Dept. of Transportation

OMNIK Environmental Management, Inc., Norfolk, CT; Summer 2004. Intern. Mr. Mukheja was responsible for preparation and shipment of TSP and Personal Exposure Samples to the Analytical Laboratory; he also participated in TSP-lead and personal exposure monitoring activities and conducted equipment maintenance and calibration; and he provided office administrative support.

Nico Napoleoni
Inspector

Professional Profile
Mr. Napoleoni is an inspector with the following experience.

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 8/13-Present. Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Napoleoni is responsible for performing daily quality assurance inspections during road deck and structural steel demolition and construction/installation activities. Client: New York City Dept. of Transportation

Proposed Project Assignment
Civil/Structural Inspector

Course Work
2013 - 10-Hour OSHA Training Course

Total Years Experience 1

P.C. Richards & Sons, Brooklyn, NY; 6/12-8/13. ACE/Sales. Mr. Napoleoni provided assistance to customers and maintained good and courteous customer service including providing information about the quality of the merchandise, products and brands carried in the store; processed point-of-sale cash, credit and debit card payments using a computerized terminal; manually moved or used a hand truck to move heavy merchandise from the stock area to the pick-up location; assisted in transporting and unloading curbside deliveries to stock area; and assisted in transporting merchandise to selling floor for shelving.

Armani Exchange, New York, NY; 10/11-6/12. Sales Associate/Stock. Mr. Napoleoni provided assistance to customers and maintained good and courteous customer service including assisting customers with store merchandise; keeping work area intact at all times; ensuring that the inventory was always stocked properly; and assisting in transporting and unloading curbside deliveries to stock area.

Century 21 Department Store, Brooklyn, NY; 11/10-1/11. Cashier. He was responsible for providing checkout services including processing point-of-sale cash, credit, and debit card payments using a computerized terminal; assisting customers by providing information and resolving their concerns; maintaining a clean and orderly checkout area at all times; and establishing or identifying prices of goods, services, and tabulating bills using calculators, cash registers, or optical price scanners.

Maimonides Medical Center, Brooklyn, NY; 4/10-6/10. Nephrology Department Intern. He provided office assistance to the medical team including calling to remind patients about appointments; assisting the office manager with word processing and PowerPoint projects; filing and maintaining confidential medical records; answering multi-line telephone, direct calls, and taking messages; and processing and routing incoming mail, answering correspondence, and preparing outgoing mail.

Skills
Microsoft Word, Microsoft PowerPoint, Microsoft Excel

Luis A. Nina
Construction Inspector

Professional Profile
Mr. Nina has about 10 years of experience in construction inspection and material testing. Most recently he has worked on a number of milling and resurfacing projects and is familiar with NJDOT and ARRA inspection reporting and procedures, having experience with federally funded projects.

Project Experience
NJDOT Route 206 from South of Bridge Point Road to Doctors Way; 1/14-Present. $4M. Construction Inspector. This was a State funded project, three years term agreement involving various projects in Region Central. Work was located in Hillsborough and Montgomery, Somerset County. Construction consisted in the improvement of roadway resurface of 5.35 total miles in length, of the project. Scope of Work: consisted in the repairing of roadway surface – to restore it to a level which will improve ride-ability, and includes milling of the roadway surface, removal of any unsound or locally deteriorated pavement, and placement of approved bituminous asphalt material on the following Route: U.S. 206 from M.P. 60.46 – 62.29 & M.P 62.90 – 66.42, in both directions. Inspector was responsible for inspection of the following construction: milling and paving for top surfacing: concrete work: curb, sidewalks and handicap ramps and installation of Traffic Signal Implementation. And for the addressing of punch list and all office work, which included: As-Built, reports, estimates and traffic control coordination. Client: NJDOT

Construction Inspection Services for the Proposed Interchange at U.S. Route 22 and Chimney Rock Road, Township of Bridgewater; 11/13-1/14, $57M. Inspector. This is a federally funded multidiscipline project to improve safety and achieve the current and future mobility goals of a highly congested area of Somerset County. The project will provide a full service interchange at U.S. Route 22 and Chimney Rock Road via Local U.S. Route 22 eastbound with the Mainline U.S. Route 22 depressed 18 ft. under Chimney Rock Road. The project also provides for improvements to the U.S. Route 22 corridor, generally between Interstate 287 on the western end and Thompson Avenue on the eastern as well as the widening of Chimney Rock Road between Thompson Avenue and Route 28, and the realigning and extending of Frontier Road to Chimney Rock Road. Bridge work includes the construction of a new vehicular bridge and railroad bridge over U.S. Route 22 along Chimney Rock Road as well as improvements to the existing bridge on U.S. Route 22 over the Middle Brook and the existing bridge over Interstate 287 on Chimney Rock Road. Some of the major items of work include: clearing, demolition, earthwork, ITS utility relocations aerial and underground, water, sanitary sewer, gas, electric, nightwork, concrete curb, sidewalk, drainage, milling, HMAC paving, concrete decks, steel, precast structures, retaining walls, lighting, landscaping, construction in stages complex traffic control. Duties include the on-site inspection of the contractor's means and methods for clearing, demolition, extensive utility work, structure rehab foundation excavation, steel piles, and sub and superstructure reinforced concrete bridge items, night work. Client: Somerset County

NJDOT MRRC N308 Federal Resurfacing Route 1&9 and Route 24; 10/13-11/13. $5M. Construction Inspector. This is a NJDOT funded project to improve the resurface of ~7 miles of road. Project location was between Elizabeth and Linden, at Jersey City and Mahwah, Job consisted in the reconstruction of three lanes both ways and shoulders and side streets. Inspector was responsible for the supervision of all ADA regulations at handicap ramps; striping, inlets and manhole cleaning. Also, responsible for the installation of traffic control, revision of Punch List items: cleaning, repairing, constructing. Reports and pictures documentations. Client: NJDOT

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2012/ACI Concrete Construction Special Instructor
2012/NICET III-Highway Construction
2010/NICET II/Construction Materials Testing/Concrete
2010/NICET I/Construction Materials Testing/Asphalt
2010/NICET I/ Construction Materials Testing/Soils
2010/ NICET I/Underground Utilities Construction/Water & Sewer Lines
2012/Rutgers TCC Refresher; Work Zone Safety
2010/NJSAT
2013/ACI Concrete Field Testing Tech. – Grade I
2013/ACI-CCTC

Course Work
2013/Basic Bridge & Construction Inspection Safety Course
2012/NJTA Traffic Safety Training Class
2012/10-Hour OSHA
2011/Uniform Construction Code, Reinforced Concrete Special Inspector
2010/ICC, Reinforced Concrete Special Inspector
2009/Rutgers, Municipal Engineering Construction Inspection I
2009/Rutgers, Municipal Engineering Construction Inspection II
2009/8-Hour HAZWOPER
2008/40-Hour HAZWOPER
2005/Radiological Safety Training, Nuclear Moisture Density Gauge

Education
AAS/2007/Civil/Construction Engineering Tech.

Total Years Experience 10

Luis A. Nina
Construction Inspector

NJDOT Federal Resurfacing North of Evergreen Street to the Elizabeth River; 8/13-10/13. $14M. Construction Inspector. This is a NJDOT funded project to improve the resurface of 11 miles of road. Project location was between Elizabeth to Woodbridge (NJ Parkway entrance), at Union County. Job consisted in the reconstruction of two lanes both ways and shoulders and side streets. Inspector was responsible for milling 4-6 inches, paving both intermediate and top surfacing; striping both temporary and permanent, inlets and manhole reconstruction and resetting. Also, inspector was responsible for the traffic control and extraction of asphalt cores and As-Builts. Client: NJDOT

NJTA OPS A3319 Contracts P600.102B Supervision of Construction Services for Installation of Variable Message Signs – Turnpike; 9/12-8/13. $13M. Construction Inspector. Installation of state-of-the-art technology VMS/VSL signs at new and existing locations in replacement of the Turnpike's existing emergency speed warning and speed limit signs between MP 84.8 and 120.0. Project involved the installation of 27 "site-specific" VMS?VSL sign structures at all direction of traffic: SNI, SNO, NSO, NSI, SN95L/X, NS95L/X, SNE, NSE, SNW and NSW. This contract work includes foundation construction, sign structure erection, electrical and ITS work, along with the removal of existing sign structures, foundations, electronic signs and associated control systems. Inspector was responsible for the supervision of all items of work, including reports, pictures, estimates, payments, temporary and daily traffic control (at all day and night). Client: NJTA

NJTA OPS A3319 Contract P600.102E Supervision of Construction Services for Installation of Variable Message Signs – Parkway North; 2/12-09/12. $12M. Construction Inspector. Installed state-of-the-art technology VMS/VSL and support structures at new and existing locations to replace the Parkway's existing VMS/VSL signs between MP 104.55 and 171.9. Project involved the installation of 28 "site-specific" VMS/VSL sign structures at all direction of traffic: North and South. This contract work includes foundation construction, sign structure erection, electrical and ITS work, along with the removal of existing sign structures, foundations, electronic signs and associated control systems. Inspector was responsible for the supervision of all items of work, including reports, pictures, estimates, payments, temporary and daily traffic control (at all day and night). Client: NJTA

NJDOT Region North Maintenance Engineering & Operations CM/CI 2011 Term Agreement- Drainage Contracts; 10/11-02/12. $3M. Construction Inspector/Assistance RE. This is a NJDOT funded project to clean drainage system along various locations: Route 27, 28, 202 & 206. Scope of the project consisted in the supervision for two contracts – the Storm Sewer Cleaning/Video Inspection Contract and the Storm Sewer Repair Contract. Duties included the on-site inspection of the contractor's means and methods for cleaning and hauling as well as process of filming video of the construction and payment applications, TIR reports and pictures. Client: NJDOT

NJDOT Southern Term Agreement 2009 – TO 5, Maintenance Roadway Repair Contract No. S-304, DP 10443; 5/11-10/11. $6M. Construction Inspector. This was a State funded project, three years term agreement involving various projects in Region South. The majority of the work was located Warren, Sussex, Morris, Passaic, Bergen, Essex, Union, and Hudson Counties. For agreement A, B, and C; and Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester and Salem Counties for Agreement D, E and F. Construction consisted in the improvement of roadway resurface of 7.59 total length of the project. Scope of Work: consisted in the repairing of roadway surface – to restore it to a level which will improve ride-ability, and includes milling of the roadway surface, removal of any unsound or locally deteriorated pavement, and placement of approved bituminous asphalt material on the following Route: U.S. 40 from M.P. 28.58 – 29.5; M.P 32.65 – 36.24; M.P. 51.5 – 52.13 and M.P. 63.55 -64.14 (all in both directions). And Route: 322 from M.P. 49.99 – 50.20 in both directions. Inspector was responsible for the supervision of the following construction: milling and paving both intermediate and top surfacing: concrete work: curb, sidewalks and handicap ramps. Also, construction of drainage systems, loop detectors, signs installations, core extraction, striping and punch list. Office work included: reports, pictures, As-Built, estimates and traffic control coordination. Client: NJDOT

IDO NISSANI

Inspector

Mr. Nissani is experienced working as a Field Inspector reviewing contractor work that has included concrete placement and quality, rebar, asphalt and earthworks. He is also experienced in performing construction material testing for soil, concrete & asphalt. He is a certified ACI Special Inspector Level 1 and also NICET 1 & 2 certified for Construction Material Testing and his project experience has included Runways at JFK Airport, Roadway/Bridge work in Queens and NYC Transit work on the A/7/F/6 Lines.

Twin Peaks Inc., New York, NY
Field Inspector

Prepared Zoning and Building Code analysis, site inspections, estimations, construction drawings and expediting for various projects. He was responsible for conducted QA/QC for CCRL and AMRL accreditation and for also conducting concrete mix designs.

As a Field Inspector he worked on a broad spectrum of projects that included airports, transit, transportation and bridges. While assigned at JFK Airport he was responsible for field inspection of concrete work for the Bay Runway and used a profilograph to measure pavement surface roughness on various Runways at the JFK Airport. Other work included:

- Concrete Inspections work for the Broad Channel Water Way Bridge
- Rebar Inspections for the New Transportation Hub at the WTC
- Rebar and concrete inspections for the No. Seven Train Line Extension and other subway stations and facility renovations such as on the F Line in lower Manhattan, the A line in Far Rockaway and the Six Line in the Bronx.
- Rebar and concrete inspections for the Verrazano Bridge booth removal
- Windsor probe for the Henry Hudson Bridge
- Concrete work inspections for the Houston Street Renovation

Bahari Architecture PC, Great Neck, NY
Intern

While working on the Kollel Ohr Haemet Community Ceneter project he prepared client presentations, 3D architectural models, 3D computer models and renderings, construction drawings, Zoning and Building Code analysis.

The Cooper Union, New York, NY

Developed a new system of deployable structures in different scales and built three full scale models. The system is currently in the patenting and publishing process

Otranto Foundation, Otranto, Puglia, Italy

Studied juxtaposed dynamics of hieroglyphs of the ancient cave "Grotta Dei Cervi", historical urban elements and stray animals from anthropological, archeological and architectural aspects.

Education
- MS, Structural Engineering, Manhattan College (In Progress)
- BA, Architecture, The Cooper Union

Software
- AutoCAD
- Adobe Photoshop
- Adobe Illustrator
- MS Office

Certifications
- ACI - Special Inspector, Field Technician & Aggregate Technician - Level 1
- NICET Level 1 & Level 2 - Construction Material Testing in Soils, Concrete & Asphalt
- NYC DDC - Concrete and Soil Field Qualifications & Asphalt and Concrete Plant Qualifications
- NDT - Windsor Probe Test System Accredited Operator
- OSHA - 10 Hour Training in Construction Safety

Awards
- The Cooper Union, 2004 – 2008 - 5 year Scholarship
- SHAI, Sephardic Heritage Alliance Inc., Annual Scholarship
- UMJCA, Mashadi Cultural & Educational Committee, Annual scholarship
- New York Institute of Technology - Presidential Honor List

ASSIGNMENT

Senior Construction Inspector

EDUCATION

Diploma in Construction Standards & Procedures – City & Guilds of London Institute, 1983
Diploma in Construction – Advanced City and Guilds of London Institute, 1984
Associates Degree in Engineering Science – Westchester Community College, 1991

REGISTRATION

10-Hour OSHA Construction Safety, including fall protection
SWAC Background Check, MTA Track Trained, PATH EIC, Track Trained.

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Njie has over 20 years' experience in construction management including MPT, environmental, electrical and plumbing pipelines, structural steel, heavy duty excavation, concrete work, and roadway paving. He has managed all phases of projects from under $500k to multimillion dollar construction projects. Coordinated with Architects, Engineers and city/state/local officials in performing inspections of sites and code enforcement. Mr. Njie has excellent communication skills. His experience with the Port Authority of New York and New Jersey involved work at the World Trade Center HUB, 911 Memorial, VSC (Vehicle Security Center), Freedom Tower, Towers 2,3,&4, where he corresponded regularly with the Resident Engineers to keep them apprised of any issues on project's progress. Reviewed plans and contractor payment requests, wrote daily reports, supervised superintendents and Contractor's staff and kept equipment & material records.

- **QA/Inspector, FEMA/Hurricane Sandy NYC Rapid Repairs Program Far Rockaway - Coney Island, Brooklyn, New York** – Served as QA/Inspector for repair work. Inspected and monitored all civil, electrical, plumbing, hot water heaters and heating systems, from inception assessment to completion close out, for quality and conformance with contract compliance set by The NYC Rapid Repairs. Documented inspection results by completing reports and logs; inputting data onto main server database. Maintained daily logs and supplement inspection records with photographs measure and verify actual quantities at close out to ensure compliance with the NYC Rapid Repairs Program. (12/2012 – 3/13)
- **Senior Construction Inspector, (EIC), PATH, Port Authority of New York and New Jersey.** Responsible for Supervision of Contractor's Superintendents and Crew inside Path Train system, Tunnel Wall Reinforcement for Explosive resistance. Worked with Iron workers to install Blast plates on Tunnel Walls. As EIC, called Train Master before entering Work Train with Train Engineer, Conductor and Crew, and after all activities on Train Tracks, Platforms or Stations were completed. Also Held safety meetings before boarding Work Trains. Supervision of Contractors and Crew inside Path Train system, working on Flood gates between the world Trade Center and Exchange Place. Supervision of Mechanical Contractor for installation and Modifying 12", 10" etc. Water mains in PA Facilities. Supervision of Mechanical Contractors in erecting New A/C, HVAC and installing New Escalators and Steel Stair Cases, in Path Journal Square and PA Facilities. Supervision of Electrical

Contractors in the installation of power lines in Substations, Tracks Tunnels and Facilities. Supervise the installation of New Warehouses, Foundation structure siding to Roofing. Supervision of Contractors involved with Security projects throughout Path System. Preparation of Daily reports, Signing of T&M tickets, monitoring and controlling projects progress & Project Budget. (2012)

- **Senior Construction Inspector, TBTA , RFK Bridge Utility Relocation Project** – Senior Construction Inspector responsible for Relocation of substation and duct banks, relocation of utilities and electrical from under East River into Randall's Island facility and buildings. Heavy duty excavations, Trenching and shoring for Duct banks and buildings. Supervision of Electricians working with high Voltage13.2 kV and 5 kV etc., and installation of new Switchgear to Bridge and Randall's Island Facilities. Supervised placing rebar on duct banks, foundation, footings, columns and beams. Supervised nuclear density test for compaction of soil & apshalt; control concrete tests pours and quantifications. Installation of concrete walls, footings and beams & bridge Decks according to plans. Supervised laying of asphalt to roadways, ramps and bridge. (2011 – 2012)
- **Senior Construction Inspector, Port Authority of New York and New Jersey, World Trade Center PATH Transportation HUB** - Responsibilities included opening and closing of general orders in coordination with MTA Transit on the #1 Subway line and the R&W Subway lines. Other responsibilities include **WTC Transportation HUB**, In charge of top to bottom construction (200 feet deep from street level). Responsible for approving and rejecting of concrete delivered to site - according to specifications. Heavy duty excavation and under pinning, sign soil and rock manifest Installation of reinforced shear walls, concrete columns, floors and footing, Foundation footings, rebar, & form work Installation of rock anchors, Installation of structural steel, I-Beams, and columns according to structural plans. Structural bolting and welding of I-Beams & columns, installation of super columns, girders, and structural members for PATH Station/Hub. Short Crete of reinforced foundation walls of all thicknesses, drilling of piles and mini piles to support foundations and I Line subway line, Structural steel bracing and support of the MTA number one subway line 200ft below street level. Installation of tie-backs, strands and grouting on Vesey Street, Church Street and Liberty Street slurry walls. Installation of masonry work where applicable. (2006 – 2011)
- **Construction Manager, A & B Construction, Various Projects** - Managed construction company for residential and commercial projects. Supervised Structural steel work, brick masonry facade construction of commercial buildings. Prepared all construction documents in compliance to local codes (electrical, mechanical, site, plumbing, and HVAC construction). Maintained effective relationship and problem solving, with all trades on site including contractor owners, engineers, architects and the public. Supervised contractors and inspected all work done by all trades for city inspections. (1995 – 2006)
- **Construction Inspector, Port Authority of NY&NJ** – Worked with resident engineer and team of engineers to manage, inspect and supervise multi-million dollar projects in the Lincoln Tunnel and the Lincoln Tunnel helix. Inspected electrical, mechanical and construction contractors working on wide array of projects in the bus terminals and the Lincoln Tunnel. Inspected projects to comply with local codes and specification. Involved with quality control, problem solving, scheduling and attended meetings with Contractors teams, Foremen and Engineers. (1992 – 1993)
- **Construction Manager, High-Rise Development** - Responsibilities included inspection for all phases of construction to be in accordance with plans, engineering and local and government codes. Coordinate and supervise all trades on site. Supervised masonry, brick, and concrete for high rise buildings. (1987 – 1989)

Christopher O'Donnell
Assistant Resident Engineer

Professional Profile
Mr. O'Donnell has gained extensive experience in the field of construction in a variety of specialty areas involving transportation construction. This experience includes bridge reconstruction and repairs, pile layout and pile driving inspection, construction of footings, abutments and stem walls, testing of concrete during its placement, maintenance of traffic, and utility relocations and installations.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2013/Rutgers TCC Refresher
2010/ACI-CCTC
2009/ACI Concrete Field Testing Tech – Grade 1
2012/NJSAT
TWIC

Education
BS/1990/Civil Engineering; AS/1987/Civil Engineering

Total Years Experience 26

Project Experience
Delaware River & Bay Authority – Task Order Inspection Services; 2/05-6/11; 6/14-Present, $75M. Resident Engineer/ Senior Inspector. GPI provided construction inspection/management services on a task order basis, for various projects on the DRBA facilities. ($3M Consultant Fee) Mr. O'Donnell was responsible for all aspects of the construction inspection for more than ten task orders, including an electrical service upgrade contract to the Delaware Memorial Bridge; Miscellaneous Structural Work on the DMB including joint repairs, deck repairs and structural steel repairs; and a major interchange project on Routes 295/Route 13. He was responsible to schedule, coordinate, attend and document all progress meetings, meetings with outside agencies or officials/ community representatives; process shop drawings and RFIs; request and approve material certifications, review and approve catalog cuts and methods of work and equipment; assure compliance with the contract plans and specifications; document daily inspection reports; evaluate and approve the quality and workmanship of all contract work; maintain as-builts; maintain orderly records of project progress, quantities and costs; process contractor Pay Certificates; review Contractor's claims/requests for change orders and make recommendations to the DRBA. Client: DRBA

Representative projects include:

- DMB 04-01 – NB I-295 Realignment. DelDOT Coordination. ($27.5M, 2010-3/11)
- DMB 05-01R – Elevator Replacement/Miscellaneous Steel Work. Work includes: exterior freight and catwalk repairs miscellaneous repair items. ($12M, 8/10-6/11)
- CMLF 08-02 – Freeman Highway Bridge Rehabilitation, Lewes, DE. Punch-list items remain, contract item #100, FRP, weather sensitive. ($2.5M, 3/10 -12/10)
- DMB 09-02 – Deck Resurfacing & Overpasses. ($1.5M, 3/10 -1/11)
- DMB 10-01 – Repainting West Girders, 1st Structure – Spot Coat. ($1M+/-, 11/10-4/11)
- DMB 10-02 – Repainting West Girders, 2nd Structure – Full Coat. ($2M+/-, 11/10-4/11)
- DMB 08-01 Repainting East Truss – Structure 2. Full coat system, lower splice plate bolt replacement, slip critical connections. ($3M+/-, 3/09-8/10)
- DMB 08-02 – Repainting Suspended Back Spans, Structure 1. Spot coat throughout with North fascia, full coat. ($1M+/-, 3/09-8/10)
- DMB 08-03 – Deck Repairs & Resurfacing. Majority of work concentrated on SB approach road bridges 4, 5, 6, 7 & 8. Traffic shifts & temporary stripping, etc. ($2M+/-, 3/09-8/10)

NJTA OPS P3448 Garden State Parkway Widening MP 90.5 to 93.5 (Contract P200.200, $75M) & MP 93.5 to 99.5 (Contract No. P200.201, $101M); 1/13-6/14. Assistant Resident Engineer. These contracts involved the restoration of shoulders and other safety improvements by widening the GSP mainline to provide for 12-foot-wide left and right shoulders and 12-foot-wide travel lanes and incorporating current NJTA standards for pavement super-elevation and transitions, roadside treatments, and roadside clear zones. Contract P200.200 included the replacement of seven bridges, the widening and redecking of two existing bridges, the water management basins, signing, lighting, and other miscellaneous work necessary and incidental to the completion of the project. Contract P200.201 included the replacement of three bridges, the widening and redecking of seven existing bridges, the extension of existing culverts, construction of 13 new permanent sign structures, drainage improvements, 14 storm

water management basins, signing, lighting, and other miscellaneous work necessary and incidental to the completion of the project. Client: NJTA

Commodore Barry Bridge Miscellaneous Structural Repairs (CB-18-2010), Camden, NJ; 6/11-12/12, $20M. Assistant Resident Engineer. GPI performed construction management services for the Commodore Barry Bridge Miscellaneous Structural Repairs project. The work included the rehabilitation and/or replacement of bearings, gusset planes, steel barrier, below deck walkway modifications plus miscellaneous concrete and spall repairs to the Commodore Barry Bridge and one approach bridge at US Route 322 over US Route 130. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner, checking accuracy of inspection reports, monitoring progress schedule and progress, resolving conflicts between inspection staff and contractor, preparing change orders, preparing monthly pay estimates and project close-out. Client: DRPA

NJTA Contract R-1464 Pile Repairs Maintenance District No. 1, Stream Crossings Mile 0 to Mile 19, Salem and Gloucester Counties, NJ; 6/03–2/05, $2.5M. Resident Engineer. Construction supervision of concrete pile repairs and pile encapsulation with fiber wraps and prefabricated shells, substructure spall repairs and waterproofing, and replacement of existing bearings with elastomeric bearings on five bridges. Responsible for all aspects of the Resident Engineering and construction inspection activities on the project including but not limited to: the daily assignment and supervision of the inspection staff; the review of all inspector daily reports and project source documents; conducting regular progress meetings; review of contractor schedules; coordination with NJTA Traffic Operations; the preparation and review of Payment Certificates and change orders; in addition to functioning as a construction inspector on all of the various work items on the project. Also performed extensive concrete testing of existing piles and developed an alternatives analysis report for a future pile rehabilitation contract (Contract R-1489). Client: NJTA

NJTA Contract R-1418 ($2.1M) and Contract R-1438 ($5.8M) Miscellaneous Structural Repairs, Mile 0 to Mile 122 and the PHMTE and the NBHCE, NJ; 2/02-5/03. Assistant Resident Engineer for structural repairs on 15 bridges throughout the NJ Turnpike. Repairs included structural steel repairs to bridge girders, structural steel repairs on fracture critical box beams, structural repair and rehabilitation to steel bearings, replacement of steel rocker bearing with elastomeric bearings, pier and abutment spall repairs, removal and replacement of pier bent column encapsulation to investigate column conditions, and substructure waterproofing. Contract R-1438 involved construction supervision for repairs to piers including partial depth pier reconstruction, spall repairs, waterproofing, and repair of granite block pier bases. Project responsibilities also included preparation of Payment Certificates, review of change orders, review of lane closing requests, review of contractor's material and procedural submissions, processing of shop drawings, review and monitoring of project progress schedules, review of additional work cost estimates, and assignment of additional work areas. This contract also involved coordination with the NJDOT for traffic control; and coordination with railroads. Client: NJTA

NJTA, Miscellaneous Structural Repairs Mile 0 to Mile 122 and the PHMTE and the NBHCE Contract R-1380, NJ; 2/01-1/02, $3.5M. Assistant Resident Engineer. Project involved construction supervision for structural steel repairs, substructure spall repairs, pier cap reconstruction on Str. No. 105.18, overhead sign structure foundation repairs and foundation reconstruction, bridge jacking and bearing replacement and repairs. Responsibilities included layout of work areas, daily inspection of work, calculating quantities for payment, assisting with preparation of Payment Certificates and change orders, and as-built drawings. Client: NJTA

DRPA, Benjamin Franklin Bridge Main Suspension Span Rehabilitation, Camden, NJ and Philadelphia, PA; 2/00-1/01, $18M. Assistant Resident Engineer. Project included the inspection of structural repairs including rehabilitation of the concrete anchorage, concrete parapets, dehumidifying structures, and mechanical equipment; containment of lead waste; repair of wires, and compaction and re-wrapping of wires. Responsible for daily inspection, preparation of reports and pay estimates, reporting directly to the Resident Engineer and coordinating the work with two other inspectors. Client: DRPA

John O'Har
Inspector

Professional Profile
Mr. O'Har has over 40 years of construction experience completing numerous successful projects in the New York and New Jersey metropolitan area ranging from developments, gut rehabilitation, retrofitting, tenant construction and site work. He also has experience in heavy construction including foundations, utilities, drainage and road construction.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
ACI Concrete Field Testing Technician Grade 1

Course Work
2007 - 10-Hour OSHA Training Course

Total Years Experience 46

Project Experience

2011-2014 Port Authority On-Call Construction Management Services - Staten Island Bridges Rehabilitation, Staten Island, NY; 9/11-Present. Inspector. The project involves construction inspection for structural, civil, mechanical, electrical, and bridge painting services for the three Staten Island Bridges operated by the Port Authority of New York & New Jersey. Mr. O'Har is involved on the following assignments:

- **Contract AK-192 Maintenance Pavement Repairs at the Goethals Bridge and Outerbridge Crossing.** This project involves identifying sections of roadway surface to be repaired. Mr. O'Har is responsible for the layout and supervision of same repairs.
- **Contract AK-189 Structural Steel Rehabilitation.** This project involves location and layout of priority repairs. He is responsible for overseeing lead abatement at repair areas and installation of structural steel as per contract drawings.

Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - Staten Island Bridges Rehabilitation, Staten Island, NY; 2/07-9/11. Inspector. The project involved construction inspection for structural, civil, mechanical, electrical, and bridge painting services for the three Staten Island Bridges operated by the Port Authority of New York & New Jersey. Mr. O'Har's responsibilities at the Bayonne Bridge included structural steel repair on the underside of the roadway at the New York and New Jersey viaducts and approaches; miscellaneous repairs at suspender cables; arch chord protection at roadway lower arch interface; steel plating (hardening) of chord box; and replacement of air handler and associated piping and ductwork at toll house. Client: Port Authority of NY & NJ

George Washington Bridge Rehabilitation, Fort Lee, NJ; 10/02-2/07. Inspector. This $100-million contract involved Class 1A containment of both towers of this structure over the Hudson River involving the removal of existing lead paint and the application of a new three-coat system to approximately 2.1 million sq ft of steel. Projects Mr. O'Har has been involved on include New York and New Jersey anchorage dehumidification; installation of structural steel, catwalks and stairs, wire rope enclosure profile, and tension membrane fabric. The project also included installation of dehumidifiers, controls, and power supply including 4160 KV switchgear, and facility priority improvements involving the rehabilitation at the George Washington Bridge Bus Station. Various contracts included installation of new elevator and escalators, main entry doors, bus shelters, ventilation fans and controls, and tenant space rehabilitation. Mr. O'Har was involved with paving of bridge span and departure roadways; and installation of drainage and catch basins. Mr. O'Har acted as liaison between the Port Authority, contractor representatives, and subcontractors and was involved with the inspection and testing of work installed and ensured contracts were fulfilled. A portion of this project involved the seismic retrofit of New York approach structures involving shoring and jacking of columns for removing and replacing bearings; installation of restrainer brackets and cables; and jacketing of concrete columns supporting approach ramps. Mr. O'Har worked on the rehabilitation of Hudson Terrace and Ramps TR2/TR3 which included installation of structural cantilever parapet over eastbound lower level lanes; paving; milling and application of waterproofing; bridge deck membrane over lower level approach lanes to bridge span. The project also included site work, installation of steel faced curbs and sidewalks. Client: Port Authority of NY & NJ

John O'Har
Inspector

While with other firms, 1977-1993, Mr. O'Har obtained the following experience:

He provided construction inspection services for the Port Authority of NY & NJ at PATH, their commuter rail system, The Journal Square Transportation Center and at the George Washington Bridge.

He provided construction inspection services for the rehabilitation of The Journal Square Transportation Center's parking facility and rigging the removal and installation of new cooling towers on the facility's roof.

Mr. O'Har acted as lead night-time inspector for over six years at the George Washington Bridge, coordinating roadway closures and overseeing various contracts including, but not limited to, paving of the bridge span and its approaches, installation of sign foundations and new sign structures, new electrical feeds to expressway lighting, structural steel repair, rebuilding of the Lemoine Avenue overpass and various rehabilitation projects at the George Washington Bridge Bus Station.

Mr. O'Har was involved with the installation of up to 30-in. diameter steam and dual temperature water lines from a self-supporting generating plant at Roachdale Village, a 32-building cooperative complex in Queens.

Mr. O'Har was involved with the rehabilitation of DEP pump stations in Queens and Manhattan. The scope of work consisted of major excavation and shoring, dewatering, installing pipes, manholes, valves, and wiring a leak detection system.

He was involved on various rehabilitation projects for NYCDOT, TBTA and the PA NY & NJ. He worked at various bridges, tunnels, ports and airports in the New York City metropolitan area. He is experienced in environmental projects involving specialty products (geotechnical materials, erosion control liners) and coordination with state and federal environmental agencies.

Mr. O'Har was involved in the construction of three warehouse buildings in Queens.

Mr. O'Har was involved with the layout and construction of a field house and two baseball fields on Gun Hill Road for the New York City MTA, built to Parks Dept. Specifications.

He was involved with the rehabilitation of a Rutgers University parking deck including major structural slab shoring, bracing, removal and replacement.

He was involved with concrete repair and waterproofing.

Mr. O'Har worked on Public Works projects for the City of New York, Dept. of Environmental Protection and Dept. of General Services.

Hew was involved with tenant construction of commercial office space in Manhattan.

He was involved with the supervision of projects from demolition to completion, including layout, coordination of all trades, interacting with sub-contractors, management and clients.

He was involved with general contracting: underpinning, foundations and concrete construction.

Mr. O'Har was involved with the rehabilitation of two New York brownstones into luxury co-operative apartments.

Marcus Olivo
Inspector

Professional Profile
Mr. Olivo is an inspector with experience on major bridge and viaduct reconstruction and rehabilitation projects in the New York metropolitan area. These projects include work associated with the complete replacement of entire bridge systems including, but not limited to, structural steel; bearings; expansion joints; decks; and coatings.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2007/ACI Concrete Field Technician Grade 1
2009/NACE Coating Inspector Level 1 - Certified
2008/NICET III

Education
MS/2012/Construction Management
BT/2008/Facilities Management
AAS/2006/Construction Management Technology

Course Work
2014 - OSHA Lockout/Tagout - Control of Hazardous Energy (2017)
2014 - NYC DOB 4-Hour Supported Scaffold.(2018)
2014 - NYC DOB Confined Space Awareness
2011 - AWS Certified Associate Welding Inspector Trained
2010 - 40-Hour Site Safety Managers NYCDOB
2009 - SSPC C-3 Supervisor/Competent Person for Deleading/NY
2008 - 30-Hour OSHA Training Course
10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training Class

Professional Affiliation
American Society of Civil Engineers (ASCE)

Total Years Experience 8

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - George Washington Bridge, Fort Lee, NJ; 4/13-Present. Inspector. This project involves joint replacement of the upper level deck. The project also involves the replacement of orthotropic deck, scupper and pipe run replacement, expansion finger joint repairs, main/secondary floorbeam repairs, stringer and stringer bearing repairs, deck rib connections, barrier repairs, paving, and coordination of maintenance of traffic. Mr. Olivo is responsible for coordinating lane closures between the contractor and the GWB facility, daily inspection and oversight of contract work which includes rivet removals, removal of existing steel members, high-strength bolt installation for contract flag and routine repairs. He has also monitored protective coating operations from paint removal, to surface preparation, and application of new protective coatings and has also kept track of time and material/net-cost claims for verification of work performed against claims being submitted. Client: Port Authority of NY & NJ

Reconstruction of Willis Avenue Bridge, New York, NY; 1/10-4/13. Inspector. This project involved replacement of the existing movable bridge and approaches with a new structure, built offline from the existing structure. Mr. Olivo's responsibilities included monitoring and inspection of Fiberglass Reinforced Plastic (FRP) Piles being driven into the Harlem River for the fender system around the new bridge piers; monitoring the installation of the false work required to set up the pre-cast concrete template needed to drive FRP Piles and pour concrete beams of the fender system; performing concrete test of many different classes of concrete used in the construction of the Willis Avenue Bridge's River piers in the Harlem River; providing welding inspection for the welding of shear stud connectors onto Caissons which formed ring beams around the caissons; monitoring iron workers who were performing field splices of tub girders using high strength bolts following the NYS Steel Construction Manual's specification; and monitoring and inspecting the installation of epoxy coated reinforcing bar used in the construction of the new bridge's retaining walls, columns, piers, and pier caps. Mr. Olivo also performed inspections on the coating application of the field bolted connections and splice plates. These inspections consisted of monitoring mixing of paint kits; checking weather conditions prior to painting; and checking surface preparation and actual coating application. He performed Dry Film Testing (DFT) on all coats being applied as per the SSPC-PA2 standards. During night shift operations, he monitored the demolition of the existing structural steel bridge piers, stringers, and concrete deck. Mr. Olivo also monitored the demolition of temporary structures which included demolition of concrete decks barrier and steel columns; the demolition of the existing bridge's river piers in the Harlem River; inspection of the driving of sheet piles for construction of a cofferdam around the existing bridge piers for future demolition; conducted field soundings to verify tip elevations of all sheet piles driven; and inspected field welds for temporary brackets installed for installation of the interior wale beam. Mr. Olivo also acted as the lead inspector for the entire Willis Avenue Bridge paint touch-up operation. He conducted field inspections to ensure proper surface preparation and feathering was performed as per the NYCDOT specification; monitored and inspected form work erection, rebar installation, and concrete placement for the river pier fender system; monitored rub and patch operations for various concrete structures; and inspected

installation of stainless steel and fiber glass hand rails, including anchor bolts, drilling and grouting, and alignment of hand rails. He also performed MPT inspections for single and double lane closures on the Major Deegan Expressway as well as on the FDR Drive, ensuring all MPT devices were in place at their proper locations; ensured all stipulations of the permit allowing lane closures were enforced as required; kept track of temporary construction signs during installation and removal, including releasing payment quantities; acted as MPT inspector for full bridge closures of the swing span for mechanical testing purposes which included phoning Traffic Enforcement Agents and ensuring they were at their required posts for the duration of full bridge closure; and notified all required agencies prior to full bridge closures or lane closures and notified them when the work was complete and the all lanes were open to traffic. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, Kings County, NY; 11/07-12/09. Inspector. This $138-million project involved construction engineering and inspection for the widening, redecking and repainting of this 850,000 sq ft viaduct with complex MPT on and below this heavily traveled structure. His responsibilities included the monitoring and inspection of welders and welds to make sure that they complied with welding procedure specifications (WPS); performing concrete testing of the structural concrete which included slump tests and air tests; casting the cylinders which were sent out for destructive testing; and overseeing the removal of paint on the steel structures, the placement of concrete barrier, installation of pedestrian safety fencing, and monitoring installation of light pole foundations, light poles, electrical conduit and electrical conductors. He also monitored iron workers during prep work of column base plate retrofit to see that the steel was cleaned properly and was able to be welded. He assisted senior inspectors during night shift to inspect that the proper MPT layout was followed; assisted with blast inspection of existing steel to be painted and inspection of field applied paint systems; monitored paint to ensure intensity of the paint was as specified; monitored containment for visible emissions of lead dust; and performed dry film thickness (DFT) test to make sure paint applied thickness was as specified. Client: New York State Dept. of Transportation

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, New York, NY; 11/06-11/07. Mr. Olivo served as an inspector on this $150-million project that involved the reconstruction of lower roadway; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge in suspended and approach spans; and repair of flagged conditions. He was responsible for the overview of the removal of the old floorbeams, stringers, diaphragms, cross beams, steel barriers and deck panels and overseeing the installation of the new structural steel members, which included the floorbeams, stringers, diaphragms, and grid deck panels; he made sure ironworkers torque bolts were correct and replaced them if they were not; approving cleanliness of connection prior to priming before the new floor beam was installed; overseeing the excavation of asphalt, sub-base concrete and miscellaneous excavated material; checking to make sure all grades were correct and no utilities were damaged in the process of excavating; overseeing the process of backfilling and assuring the material was rolled properly to pass compaction test; and inspecting formwork to assure its integrity before placing concrete. Client: New York City Dept. of Transportation

Macombs Dam Bridge over the Harlem River Rehabilitation, Contract #BRX287R, New York, NY; 6/06-11/06. Inspector. This $145-million rehabilitation project included structural steel replacement and reinforcement for ±3,000 ft total length of viaducts, a camelback, a swing span, ramps over Metro-North Railroad, structures over Harlem River Drive and Major Deegan Expressway. Mr. Olivo's responsibilities included filing inspectors' daily reports; completing engineers' daily diaries; inspection during night work; filing and processing all documents related to project; completing items pertaining to project closeout; assisting in the review and preparation of monthly progress and extra work payments to the contractor; inspection during night work in assisting senior inspectors for the mechanical operations of the swing span as well as inspecting the set up of the MPT for full bridge closures; inspection of subbase material placement and grading; testing of concrete and inspection of concrete placement for the sidewalks below the viaduct (+/- 4,000 lin ft long, 40 ft. wide); inspection of steel faced concrete curb installation (+/- 4,000 lin ft) including 20 ea handicap ramps; inspection of asphalt placement; miscellaneous punch list work items such as painting of structural steel, minor structural steel repairs. Client: New York City Dept. of Transportation

ASSIGNMENT

Senior Construction Inspector

EDUCATION

Queensboro Community College, Manhattan College, SUNY Purchase

REGISTRATION

OSHA 10 Hour Certified, ACI Level 1 Certified, ACI Level 2 Concrete Constructions Special Inspector Certified, ICC Structural Steel Bolting Certified

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Petekiewicz has over 30 years of diversified engineering, estimating and construction experience with transit, high-rise buildings, tunnels, transportation, and power plant facilities. His experience covers inspection of civil, structural, mechanical, track, and electrical, including lighting, fire alarms, and public address systems. He has performed constructability review, inspected contractor's work and records to insure work complies with plans and specifications, coordinated with Port Authority operations, interfaced and coordinated with government agencies, managed change orders, generated and maintained punch lists and RFI's, and administered contract close out. He has training in Port Authority systems and procedures, Track Safety Awareness, Hazardous Materials Management, and Confined Space Entry.

- **Resident Engineer, WTC East Tub Architectural Contracts - $4,000,000 to $16,000,000 range:** Multiple architectural contracts. Responsible for preparation and negotiation of all contract change orders. Oversight of consultant staff performing daily inspection of construction for contract compliance. Responsible for verification and approval of monthly payment requisitions. Responsible for oversight of bi-weekly construction progress meetings. (2011 – Present)

- **Resident Engineer, WTC, Harrison West Transfer Yard - $5,175,258** – Responsibilities included overall supervision of construction of approximately four acres of undeveloped land for the new WTC transfer yard. Project included total supervision of installation of under drain/storm water system, rough and final grading for the construction of a concrete retaining wall, asphalt access road and installation of six railroad tracks with required switches. The position required supervision of contractor's submittals for review/approval of materials, construction procedures and adherence to local and state environmental requirements. Daily inspection of contractor's progress to verify conformance to plans and specifications including documentation and estimating for all change order work related to project. Oversaw all efforts to obtain Permit to Occupy and final contract closeout. (2010 – 2011)

- **Assistant Resident Engineer, WTC Transportation Hub Project and Other World Trade Center Site Projects, New York, NY $2,200,000,000** – Primary responsibilities include General Conditions which is Contractor self-performed work at the construction site including but not limited to the furnishing, installation, operation and maintenance of all temporary structures, facilities, utilities and services considered necessary or incidental for site safety, security, access, maintenance and protection of pedestrians, patrons and traffic, power and light, potable and construction water and

sanitary, coordination with other contractors and tenant work within the WTC site, the performance of all surveys and testing including that necessary for quality assurance and control, the performance of site maintenance including but not limited to dust control, snow removal, continuous and final clean-up, janitorial services, garbage and debris removal and the implementation and enforcement of the Authority's Environmental Performance commitments (EPCs) including mitigation and monitoring documentation and processing of daily narratives, supervise recording of GC activities to our data base system in Microsoft Access material, equipment and labor (MEL), monitoring submittal and desk audit of contractors GC invoicing, verification and recording of delivered GC consumable materials (PPE, cleaning and maintenance materials, etc.) estimate and negotiate change order work associated with GC and monitoring of contractor's field office engineering, administrative and clerical staffing. (6/2006 - 2010)

- **Senior Construction Inspector/Construction Coordinator, Port Authority, PATH Projects** - Supervision of construction projects during off peak hours including daily site visits and inspection and prepared daily narratives. Coordinated contractors and PATH Personnel for the following projects:
  - > ***Rail replacement at Dock Bridget***, Newark, NJ: Coordinated with trainmaster to remove tracks from service Oversaw removal of existing track rail and installation of new rail.
  - > ***Renovation of Journal Square Station***, Jersey City, NJ: Inspected erection of structural steel for support of new station ceiling. Supervised installation of new station lighting and sound system. Inspected replacement of new granite flooring for Eastbound and Westbound platforms Monitored installation of stainless steel cladding on station escalators, stairwells and columns as well as installation of lighting, fire alarm, and public address systems.
  - > ***Removal of existing turnstile system and installation of new Passenger Turnstile System***: Supervised installation of new turnstile and Fare collection systems at all Path station locations.
  - > ***Installation of New Handicap Elevator at Pavonia/Newport Station***, Jersey City, NJ: Performed inspection of excavation and installation of new handicap elevator.
  - > ***Removal of Existing Boilers at One Path Plaza***, Jersey City, NJ: Inspected removal of existing building boiler units and installation of new boilers.
  - > ***Rock Excavation and Installation of Precast Concrete Storm Drain Trenching at track section H-5***: Oversaw rock excavation and installation of storm drain trenching. Monitored installation of required concrete retaining walls. (1998 – 5/2006)

- **Senior Construction Inspector/Construction Coordinator, Port Authority, Reconstruction of World Trade Center Station, Exchange Place Station, and Tunnels "E" and "F"** Work on this $360 million project consisted of PATH, tunnel systems, tunnel structures, and rail and road access to equipment. Inspected various phases of reconstruction post 9/11 of World Trade Center Temporary Station and rehabilitation of Exchange Place station and tunnels E and F. (4/2002 – 11/2003)

- **Senior Construction Inspector, Port Authority of NY and NJ, Major Holland Tunnel Facility Projects** Performed construction inspection of various Holland Tunnel projects including daily site visits, preparation of daily narratives, coordination of contractors, management of change orders, and generation and maintenance of punch lists and RFI's. (1996-1998)
  - > ***Renovation of Ventilation Buildings***: River and land, NY side.
  - > ***Removal of Existing and Installation of New Slab on Grade at Holland Tunnel Maintenance Building***: Construction of slabs at both the NY and NJ maintenance garages.
  - > ***Installation of New Storm Drainage System in Holland Tunnel***

Nzinga Porter
Inspector

Professional Profile
Ms. Porter is an assistant office engineer with strong communication, organizational and technical skills within the construction engineering field. She possesses the following experience.

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/10-Present. Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this iconic national landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Ms. Porter's responsibilities include verifying and ensuring that the contractor does work that complies with the NYCDOT specifications; recording daily field logs and making payments; and covered inspection of micropile installations for the widening of Ramp A at the Brooklyn Bridge Contract No. 6. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 9/07-Present. Assistant Office Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Ms. Porter's responsibilities included preparing monthly contract and change order payments for the project (CEES), reviewing item specifications, material certifications and payment quantities, and maintaining database of construction correspondence. Client: New York City Dept. of Transportation

As a structural engineer with another firm, 4/07-8/07, Ms. Porter performed structural analyses of superstructures and substructures, designed simple beams, columns, sheeting and various substructures, and determined cause of structural failures, damages and defects through detailed reports.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2009/ACI Concrete Field Testing Technician Grade 1

Education
BS/2006/Civil Engineering

Course Work
2011 - Confined Space Training Program
2007 - 10-Hour OSHA Training Course, #2753
2007 - 12-Hour Confined Space Entry
2007 - Underground Tunnel Safety Course

Total Years Experience 9

Nzinga Porter
Inspector

As a construction office engineer, 7/06-3/07, she assisted the resident engineer in management of construction contracts, submittals, and transmittals; maintained database of construction correspondence for suitability and completeness; read and interpreted schematic design and construction drawings (AutoCAD); worked to ensure construction progresses as scheduled and contract specifications are adhered to; revised and edited addenda and specifications to provide quality assurance and accurate estimations; performed various inspections on construction site; and estimated and quoted prices for design and construction costs (Cost Works/ RS Means & Excel).

As a bridge/structural design intern, 5/05-11/05, she assisted in preparing final contract documents (Microstation); read and interpreted schematic design and construction drawings; and enhanced teamwork, time management, CAD skills, and problem solving proficiencies.

As a student assistant at L.C. Smith College of Engineering & Computer Science, Syracuse University, NY, 8/04,5/05, Ms. Porter managed a community outreach program for the development and implementation of students K-12; visited area schools to educate and mentor students about various fields of engineering; recruited and organized student volunteers for annual 2004 Build Em' & Bust Em' Bridge Building Competition; and served as a judge for the annual Syracuse 2005 Mouse Trap Race Car Competition.

Software
Windows 98/2000/Me/ XP, Microsoft Excel, Access, PowerPoint, Word, MathCAD, AutoCAD, MicroStation

Richard Procaccio
Senior Coatings Inspector

Professional Profile
Mr. Procaccio is an experienced coatings inspector for bridge reconstruction and painting projects.

Project Experience
REI Services in Connection with the Protective Coating of Various Bridges in the Bronx, Bronx, NY; 11/13-Present. Chief Inspector/Office Engineer. This project involves resident engineering and coatings inspection during repainting of various bridges in Bronx, NY. Mr. Procaccio is responsible for reviewing the contractor's submittals which include the schedule, painting plan, and certifications; coordination with the contractor and community for the incorporation of MPT permits, plans and layouts with OCMC-Highways; organization and filing of all project documentation; maintenance of all project documents per NYCDOT MURK, including Inspector's Daily Reports, payment Items, and Monthly Payment Requisitions; creating bridge schematics with accurate field calculations for blasting and painting tracking purposes; maintenance of computerized engineer's estimate system; maintenance of computerized contractor's payment and quantity record system using Microsoft Access database and Microsoft Excel spread sheets; verification of MPT on the roadways surrounding and including the work zone; inspection of Class IA Containment Systems which were used from both rapid deployment, and tarp-to-grade abrasive blast preparation operations, installation of cables and scaffolding equipment; inspection of abrasive blasted steel to an SP-10 and power tooled steel, cleaned to an SP-6 or SP-15; conducting testing on cleaned steel to verify level of cleanliness which included profile readings and salt testing; Ambient Temperature monitoring to ensure that the manufacturer's specifications and MSDS' were followed and all coatings were applied in the acceptable conditions; monitoring the mixing and thinning of a five-part coating system which included a zinc coat, a zinc stripe coat, a rust sealer, an intermediate coat and a finish coat; inspection of cured coatings and taking Dry Film Thicknesses (DFT) to ensure proper coverage was applied. Client: New York City Dept. of Transportation

Staten Island Railroad Bridges, Staten Island, NY; 5/11-11/13. Office Engineer/Sr. Coatings Inspector. This project involved resident engineering and inspection services in connection with protective coating of Staten Island Railroad (SIRR) Bridges. Mr. Procaccio's responsibilities included reviewing the contractor's schedule; requesting and/or implementing necessary adjustments during the project duration; reviewing and approving the contractor's submittals; coordinating between the MTA, SIRTOA, contractor and community; maintenance of all project documents per NYCDOT MURK, including Inspector's Daily Reports, Payment Items, and Monthly Payment Requisitions; keeping all office and project documentation; maintenance of computerized engineer's estimate system; maintenance of computerized contractor's payment and quantity record system using Microsoft Access database and Microsoft Excel spread sheets; verification of MPT on the roadways surrounding and including the work zone; inspection of class 1A containments which included drilling into retaining walls, installation of cables and scaffolding equipment and corrugated steel elevated platform that were used to access the work; inspection of abrasive blasted steel to an SP-10 and power tooled steel, cleaned to an SP-6 or SP-15; conducting testing on cleaned steel to verify level of cleanliness which included profile readings and salt testing; Ambient Temperature monitoring to ensure that the manufacturer's specifications were followed and all coatings were applied in the acceptable conditions; monitoring the mixing and thinning of a five-part coating system which included a zinc coat, a zinc stripe coat, a rust sealer, a mid-coat and a finish coat; inspection of cured coatings and taking Dry Film Thicknesses (DFT) to ensure proper coverage was applied. Client: New York City Dept. of Transportation

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2013/NICET IV
2003/NACE Certified Coating Inspector Level 3
2009/ACI Concrete Field Testing Technician Grade 1
2011/NYCT Track Safety Certified/NY

Education
Diploma/2002/Paint Theory and Practicum, Structural Coatings

Course Work
2012-SIRR Roadway Worker Basic
2008 - NYCDOT Lead Supervisor Course, #NYCDOT-08-497
2006 - 30-Hour OSHA Construction Safety & Health Training Course

Total Years Experience 14

Richard Procaccio
Senior Coatings Inspector

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 9/09-5/11. Coatings Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. Mr. Procaccio's responsibilities included ensuring that all structural steel work followed approved drawings and specifications; north/south truss diagonal repairs, floor beam web repairs, bottom chord lacing bar/batten plate replacement and lateral brace repairs; calibrating the torque wrench and checking all new connections for proper torque; monitoring all painting activities that took place; ensuring ambient conditions were within an acceptable range for coating the steel; inspecting coated surfaces including checking that the coating was free of any defects, and taking wet film thicknesses and dry film thicknesses; monitoring the mixing and thinning of two and three part coating system; performing numerous steel inspections ranging from SP-1, SP-2, SP-3 and SP-5 levels of cleanliness; and he was also responsible for all destructive and non-destructive inspections on the coating system. Client: New York City Dept. of Transportation

Protective Coating of Grand Central Parkway over BQE Bridges, Queens, NY; 7/08-9/09. Coatings Inspector. This project involved resident engineering inspection, environmental monitoring/hazardous waste management and construction support services for the protective coating of five Grand Central Parkway/BQE bridges. Mr. Procaccio's responsibilities included daily monitoring of ambient conditions for coatings applications; inspection of sand blasted steel to an SP-10 finish and inspection of power tool cleaned steel, to an SP-6 or SP-15 finish to ensure the level of cleanliness as required in the job specifications; inspection of a four part coating system that includes a primer, a rust sealer, an intermediate, and a top coat. Inspections were done to verify proper coating thickness and coverage as well as to determine if the coating is cured for the following paint application. He also prepared a daily work report noting the day's work activities which included start and stop times, man power, equipment, locations, paint batch numbers and dates and general notes. Client: New York City Dept. of Transportation

Queensboro Bridge Lead Paint Removal and Protective Coating, Contract BRC231P, New York, NY; 5/04-11/06. Coatings Inspector. This $170-million project involved the erection of containment structures, abrasive blasting and lead paint removal for the entire East River Bridge, and the application of a three-coat painting system. Mr. Procaccio's responsibilities included daily monitoring of ambient conditions for coatings applications; inspection of sand blasted steel to ensure the level of cleanliness as required in the job specifications; and inspection of a three-part coating system which includes primer, intermediate coat, and top coat. Inspections were done to verify proper coating thickness and coverage as well as to determine if the coating is cured for the following coat. He also filed daily reports that detailed the day's work and progress. Client: New York City Dept. of Transportation

Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct - TB-64A, Queens, NY; 11/03-5/04. Coatings Inspector. Mr. Procaccio's responsibilities included daily monitoring of ambient conditions for coatings applications; inspection of hand/power tool cleaned steel to ensure the level of cleanliness as required in the job specifications; inspection of three-part coating system which includes primer, intermediate coat, and top coat. Inspections were done to verify proper coating thickness and coverage as well as determining if the coating is cured for the following coat. He also filed daily reports that detailed the day's work and progress. Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, #BRC156C, New York, NY; 8/02-10/03. Inspector for this $175-million project which involved rehabilitation of the north upper roadway approach and suspended spans. His responsibilities included daily monitoring of ambient conditions for coatings applications; inspection of hand/power tool cleaned steel to ensure the level of cleanliness as required in the job specifications; inspection of three-part coating system including primer, intermediate coat, and top coat. Inspections were done to verify proper coating thickness and coverage as well as determining if the coating is cured for the following coat. He also filed daily reports which detailed the day's work and progress. Client: New York City Dept. of Transportation

Manhattan Bridge Reconstruction, Painting and Interim Rehabilitation, Contract #BRC1568C, New York, NY; 4/99-10/01. Inspector. This $124-million project involved the rehabilitation of the Manhattan plaza area, Manhattan Arch and Colonnade; replacement of the structural steel stringer and floorbeam support system for the west side subway tracks; replacement of truss bearings on top of the piers of both approach spans; rehabilitation of eyebars anchoring one of the main suspension cables; and removal of existing paint from the entire west side, both towers and two main cables, and replacing with new coating. Client: New York City Dept. of Transportation

ASSIGNMENT

Senior Construction Inspector

EDUCATION

BA, Architecture, University of Catania, Italy, BS, Building Technologies
Pratt Institute, Brooklyn, N.Y., Courses on Methods, Construction and Techniques
OSHA 10 hour, NYCDOB Support and Scaffolding Certificate

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Pulvirenti has 30 years of experience in architecture, project management, and construction management of public and private facilities. His experience includes on-site management of multiple discipline trade work for new construction and renovation of school, transportation, industrial, institutional, retail, office, and entertainment facilities. Mr. Pulvirenti has hands-on responsibility for cost, schedule, and quality of construction projects through various delivery systems, including lump sum, unit cost, and time and material. He is familiar with New York Building Codes and applicable computer software such as MS Word, Excel spreadsheets, and Primavera Expedition.

- **Construction Inspector, PANYNJ, EWR AirTrain Base System Running Surface Major Rehab** – Served as Construction Inspector on a major rehab of sections of the EWR AirTrain base system guideway running surface. Monitored and documented contractor's on-site resources. Visual inspection work in-progress from catwalks of the heating system. Witnessed various tests. Provided daily progress reports. (5/1/2014 – 5/31/2014)
- **QA/Inspector, FEMA/Hurricane Sandy NYC Rapid Repairs Program Far Rockaway-Rockaway-Mill Basin-Bergen Beach-Brooklyn, New York** – Served as QA/Inspector for repair work. Inspected and monitored all civil, electrical, plumbing, hot water heaters and heating systems, from inception assessment to completion close out, for quality and conformance with contract compliance set by The NYC Rapid Repairs. Documented inspection results by completing reports and logs. Maintained daily logs and supplement inspection records with photographs measure and verify actual quantities at close out to ensure compliance with the NYC Rapid Repairs Program. (12/2012 – 2/2014)
- **Project Construction Manager, Cathcon Construction Co., Wall, New Jersey** – Managed all Construction Disciplines from inception of residential and commercial projects. Monitored and reported project progress by frequent site visits and progress meetings. (2009 – 2012)
- **Construction Manager/Project Officer, New York City School Construction Authority, PS 861, Staten Island** – Served as Project Officer for new four story new school building for the City of New York School Construction Authority. It is located in the Borough of Staten Island, will provide facilities for students in grades P-K through grade 8. The building has Administrative offices, Auditorium, Cafeteria/Kitchen and Library located on the first floor and all classrooms located on floors 1-4 totaling 109.000 square feet costing $ 52,000,000.00. Responsibilities include: Staging, Correspondence, Field Instructions, Project Progress Meetings, Schedule and Phasing, Permit Requirements, Insurance/Subcontractors Approvals, Safety, Product Substitution, Shop drawings, RFI Quality Control, Change Order Procedures, Dispute Resolution Process, Payments Requisitions and Performance Evaluation. (4/2008 – 11/2009)

- **Project Officer, New York City School Construction Authority, Midwood High School Annex, Brooklyn** – Served as Project Officer for this $43 million, 3-story, 24,000 SF building addition. The scope of work includes a 2-story connecting pedestrian bridge over Bedford Avenue. The facility consists of classrooms, science lab, and library. Managed multi discipline trades including civil, mechanical, electrical, plumbing, masonry, and curtain wall. Monitored cost, schedule, and quality on a weekly basis. Issued comprehensive status and progress reports. (4/2007 – 3/2008)
- **Construction Manager, US Army Corps of Engineers, Ft. Monmouth, New Jersey** - Managed multi-discipline construction trades from inception to completion for Building 603 at Ft. Monmouth, NJ. Building 603 consisted of a prefabricated secure metal building warehouse for the R&D organization. The office portion is 101' x 26'-6". The building's offices are heated and cooled using geothermal well while the warehouse uses two IR gas heaters. (2006 – 2007)
- **Project Manager, The Port Authority of New York & New Jersey, Newark Liberty International Airport** - Managed multi-discipline projects from inception to completion, including tenant fit-out, retail, kiosks, restaurants, control tower, and security installation in terminal connectors for passenger screening. Inspected installation of high resolution CCTV security cameras. Developed and updated project plans, including scheduling and budgeting. Monitored and reported progress by frequent site visits and progress meeting. Implemented appropriate recovery actions when project plans were deviated. (2002-2006)
- **Site Representative, The Port Authority of New York & New Jersey, WTC Disaster Forensic Recovery, Fresh Kills, Staten Island, New York** - Established relations with the numerous Agencies such as FEMA, USACE (United States Army Corps of Engineers), Contractors and unions. Kept precise records following the hours of work force and equipment. Managed efficient Safety Operation by coordinating with Environmental and Geosciences specialty contractors monitoring air quality, safety, traffic and engineering support. (2001-2002)
- **Project Manager, The Port Authority of New York & New Jersey, World Trade Department, Construction of Tenant Facilities** - Identified sequence of projects to meet budget targets. Performed overall management of construction related activities. Analyzed drawings submissions before being reviewed by the Code Compliance Office, and other Base Building Departments. Established Client-Architect-Contractor relations. Responsible for all renovation for Morgan Stanley facilities in Tower No. 2 (30 floors) including installation of HVAC, lighting, power, wiring, and panels. (2000-2001)
- **Senior Construction Manager, I.C.I., America, Inc.** – Field supervision for construction of 2 warehouses, offices, and science lab including HVAC, electrical, communications and fire protection. (1997-2000)
- **Project Architect, Paul W. Reilly & Associates Architects, Various Projects** - Designed and produced working drawings for numerous Churches, Hospitals, Office Buildings, and Industrial Facilities. (1991-1997)
- **Senior Construction Manager, NBC STUDIOS, New York City** - Managed and directed various projects in New York City and Brooklyn with budgets ranging from $100,000 to $10 million. Oversaw installation by all trades and special materials of construction, including lighting, power, HVAC, and architectural features. Prepared project progress reports including budget, earned value, accomplishments, and issues. (1978-1991)
- **Project Manager, The Port Authority of New York & New Jersey, World Trade Department** – Managed multi-disciplines projects from inception to completion for Port Authority offices, conference rooms, and various work areas in Tower No. 1. (1976-1978)

Maria Reiher
Coatings Inspector

Professional Profile
Ms. Reiher has ten years of experience in the coatings industry. She has experience as a health and safety supervisor for commercial buildings and superstructures. She also has additional experience as a lead abatement supervisor and a quality control supervisor.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2013/NACE CIP Level I
2013/SSPC C3/C5
2012/Rutgers TCC Designation
2012/Work Zone Safety Awareness
2011/OSHA 30 Hour Construction Industry

Course Work
2012/NJ Lead Abatement Supervisor Refresher
Commercial Buildings and Structures
2011/SSPC Quality Control Supervisor (QCS)

Total Years Experience 10

Project Experience
DRJTBC Easton Phillipsburg Bridge CM-437A; 6/13-Present, $29.6M. Coatings Inspector. This project is a multi-faceted rehabilitation of the Easton-Phillipsburg (Route 22) Toll Bridge and related facilities. Rehabilitation project elements include bridge painting, pavement repairs, deck replacement and repair, substructure repairs, bearing replacement, electrical upgrades and toll plaza upgrades. Project includes multiple bridge structures: Main River Bridge, Broad Street Viaduct, Route 22 over SR 611, Route 22 over Bank Street, Route 22 over 3rd Street and the pedestrian tunnel at Bushkill Street. The rehabilitation project elements include: pavement repairs and reconstruction throughout the facility; Main River Bridge and Broad Street Viaduct (deck removal and replacement, cleaning and painting of all structural steel, rehabilitation/replacement of deck drainage system, structural steel and substructure repairs as defined per inspection, and rehabilitate pedestrian railing); remove and replace superstructure of the Route 22 Bridge over SR 611; construct an ADA compliant ramp to the existing pedestrian tunnel under Route 22 at Bushkill Street; replace roadway and bridge lighting throughout the facility – lighting on Snyder Street to match Easton streetscape lighting; Bank Street and 3rd Street bridges (replace bridge bearings, mill and resurface bridge deck, clean and paint stringer ends and fascia beam, miscellaneous repairs); electrical upgrades to toll facility load center in Administration Building; and minor repairs and painting to toll booth facilities. Duties include field inspection of containment, abrasive blasting, paint application, environmental conditions; office engineer tasks include monthly payments to contractor, quantity management, document control and as-built drawings.. Client: DRJTBC

NJDOT Region North 2011-2012 Maintenance Bridge Painting, Contract 2012-2 - Route 80 Bridges; 7/12-10/12, $6M. Coatings Inspector. This bridge painting contract involves the painting of six bridges along Route 80 in Passaic County. This project involves the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved coatings system. The projects incorporate traffic control on a high speed highway, MPT, nightwork, staging, and environmental (Lead Abatement) constrains unique to repainting on major urban bridges. The construction services contract involves the managing of four separate painting contracts with three independent painting contractors. Extensive coordination is done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities are addressed for structures that span local streets. Client: NJDOT

NJTA Hackensack River Bridge, Repainting Structural Steel Inspection, Contract T100.137; 3/12-7/12, $144M. Coatings Inspector. Project involved inspection of a 1,396,000 SF area of steel for the complete structural steel repainting for previously painted and weathering steel superstructures. As a subconsultant to the Conti Group, Ms. Reiher was responsible for quality assurance/quality control of this inspection work. Client: NJTA/The Conti Group

Previous Work Experience
Allied Painting, Inc. (2004-2005)
M Painting Co, Inc. (2005-2007)
JPI Painting (2009-2010)
Manda Corporation (2011)

Kenneth Reese
Inspector

Professional Profile

Mr. Reese is a highly-qualified construction inspector/ engineer, with experience on many major bridge construction projects. Currently, he is assistant resident engineer for a $170M contract to widen over 3 miles of roadway on the New Jersey Turnpike 6-9 Widening Program. He is experienced in all aspects of bridge construction including foundations, concrete decks, and structural steel work including; demolition, erection, and bolted and welded connections (Certified Associate Welding Inspector). Mr. Reese is widely respected with all of his clients (NJTA, NJDOT, DRJTBC, DRPA, etc.) as a highly qualified bridge inspector. Finally, Mr. Reese is also a NACE certified coatings inspector with applicable field coatings inspection experience.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2008/NICET IV; 2001/NICET III
2013/NJSAT
2012/ACI Concrete Field Testing Techn–Grade I
2012/ACI CCTC *(Lifetime Certification)*
2013/Rutgers TCC Refresher

Course Work
2009/10-Hour Occupational Safety and Health Training Course
2006/8 Hour HAZWOPER Refresher
2004/40 Hour HAZWOPER

Total Years Experience 34

Project Experience

New Jersey Turnpike Interchange 6 to 9 Widening Program; 11/10-Present, $2.7B. Assistant Resident Engineer for Contract No. T869.120.302 (approximately $144M) Grading, Drainage, Paving, Structures & Lighting of Service Areas 6S and 6N and NSO and SNO Roadways from Milepost 56.5 to 59.7 in the Townships of Chesterfield, Hamilton & Robbinsville, Burlington & Mercer Counties, NJ. This project consists of adding new lanes for north and south bound outer roadway and also includes reconstruction of local road bridges at Merrick Road, Yardville-Allentown Road, and South Broad Street, four new service area flyover ramps, several other bridges along the Turnpike roadway, 17 new sign structures, and improvements to drainage, lighting and utilities. As resident engineer, Mr. Reese is the Owner's direct on-site representative to the contractor and is responsible for the direct supervision of a construction project's field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJTA

New Jersey Turnpike Interchange 6 to 9 Widening Program; 7/09-Present, $2.7B. Resident Engineer for Contract No. T869.120.501 (approximately $15M) NSO/SNO Roadways Grading, Drainage, Paving, Structures & Signing Milepost 65.6 to 66.7, East Windsor Township. This project involved the construction of two new outer roadways, each consisting of three 12-foot lanes and a 12-foot right shoulder as well as the construction of two culvert extensions, retaining walls, sign structures, drainage and stormwater management facilities, and signing. As Resident Engineer, Mr. Reese was the Owner's direct on-site representative to the contractor and is responsible for the direct supervision of a construction project's field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJTA

New Jersey Turnpike Interchange 6 to 9 Widening Program; 6/12, $2.7B. Resident Engineer for Contract No. T869.120.301 (approximately $4.2M) Local Roadways Grading, Drainage, Paving and Utilities at Milepost 57.1 to 58.4 in the Township of Hamilton, Mercer County. This contract provides for the lowering of Crosswicks-Hamilton Square Road under the Turnpike, the realignment of Uncle Pete's Road, utility relocations and the jacking of utility sleeves under the Turnpike in the vicinity of South Broad Street. As resident engineer, Mr. Reese's is the Owner's direct on-site representative to the contractor and is responsible for the direct supervision of a construction project's field inspection/engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner. Client: NJTA

NJDOT Region South Term Agreement, Maple Avenue/Chapel Avenue Contract CAM983410; 7/08-7/09, $10M. Senior Inspector. This project consisted of the complete removal and reconstruction of two NJ Transit bridges to increase the track clearance to facilitate double decker passenger train traffic. The project included long term road closures and detours while maintaining access to business and residents. The construction included temporary sheeting CIP piles, abutments, steel stringers, HPC deck, architectural parapets, ornamental railings, MSE walls, fiber optics, gas mains and water mains. The reconstruction included replacement of the bridge approaches with related drainage, curbs, sidewalks, asphalt, striping, roadway lighting, signage and grading to the new profiles. Client: NJDOT

Kenneth Reese
Inspector

NJDOT Region South Term Agreement, Route 295 Roadway Rehabilitation; 8/07-1/08, $8.7M. Inspector. This project involved repairs to roadway pavement and bridge decks for approximately 10 miles of this two and three lane expressway. The project included temporary traffic control for main line lane closures, ramp closures and detours to facilitate the repairs. The repairs included full depth/partial depth concrete replacement/ repairs, slab stabilization, milling and paving, crack stitching, diamond grinding and traffic striping. The full depths repairs were replaced with precast slabs doweled and grouted in place, the partials depth repairs were repaired with a hot applied polymer resin and reopened to traffic within hours after placement. The bridge approach slabs were stabilized, ramps milled and paved the roadway surface diamond ground and re-striped. Client: NJDOT

NJTA Contract R-1489, Construction Supervision of Pile Repairs; 10/05-12/07, $12M. Inspector. This project involved construction of supplemental pier caps with micropiles, fender systems, slope protection improvements, environmental inspections, cofferdams substructure waterproofing/watersealing and other related miscellaneous work items. GPI supervised construction of R-1489 which involved installation pier cap construction with driven micropiles in a marine environment, substructure waterproofing/watersealing and other related miscellaneous items of work, to Structure Nos. 0.42L and 7.85. The majority of work was performed over waterways during daytime hours using long-term shoulder closings. Client: NJTA

Route 41 and 42 Construction Inspection, Deptford Township, NJ; 8/04-10/05, $12M. Inspector. This project involved improvements to the Route 42 Freeway interchanges at Route 41 and Clements Bridge Road, intersection improvements, and extensive improvements to Route 41, in Deptford Township. The intent of the project was to improve traffic circulation through this very busy commercial shopping area. The project included the construction of five new ramps, the elimination of four ramps, the reconfiguration of four ramps (to improve geometry and traffic flow) the rehabilitation of one bridge structure, and the construction/reconstruction of four intersections, as well as extensive roadway construction with utilities and all associated MPT. The project included simple span bridge construction (including all substructure and superstructure elements), roadway reconstruction, paving, drainage, utilities, traffic signals, and all related MPT. Client: NJDOT

Route I-80 Section 5AW and 10L, Bergen County, NJ; 12/01-6/03, $86M. Inspector. This project included more than $50M worth of bridge widening and replacement work on seven bridges over existing highways, streams and railroad tracks. The bridge work included deep drilled shaft foundation (between 30-60 inches in diameter and at least 30 inches deep), reinforced concrete abutments and piers, steel H-piles, reinforced concrete footings, steel girder and beam superstructures, stringer catcher systems, and cofferdams. The project included the widening and construction of eastbound and westbound auxiliary lanes; 3 miles of full depth roadway reconstruction for 10 lanes of Interstate highway including the demolition of existing roadway; new asphalt and concrete paving; the construction of two concrete retaining walls; the construction of 2 miles of noise barrier, the construction of numerous overhead sign structures; and the upgrading of all associated highway lighting and signage. The project also involved extensive utility relocations, including the relocation of the I-80 MAGIC fiber optic communication system. All work was completed under a staged construction plan, requiring very complex MPT under heavy traffic conditions. Client: NJDOT

NJTA Contract R-1380, Miscellaneous Structural Repairs Mile 0 to Mile 122 and the Newark Bay-Hudson County Extension and Pearl Harbor Memorial Turnpike Extension, NJ; 6/01-12/01, $3.5M. Inspector. Project involved construction supervision for structural steel repairs, substructure spall repairs, pier cap reconstruction on Str. No. 105.18, overhead sign structure foundation repairs and foundation reconstruction, bridge jacking and bearing replacement and repairs. Responsibilities included layout of work areas, daily inspection of all work items, and calculating quantities for payment. Project required significant coordination with CONRAIL and PANYNJ. Client: NJTA

DRPA Contract BF-23-97, Benjamin Franklin Main Suspension Cable Rehabilitation, Camden, NJ/Philadelphia, PA; 5/99-6/01, $18M. Inspector/Office Engineer. This construction inspection project involved protecting the cables from future deterioration by unwrapping the cables, removal of the hazardous red-lead coating, and wedging the cable open for the purpose of inspection, oiling and repair at multiple locations around the perimeter of the cable. The cables were then rewrapped and repainted with a special three-coat flexible coating system. Responsibilities included inspecting all of the bridge rehab and painting items, as well as review of schedule, attending progress meetings, progress payments, shop inspection, traffic management, change orders, shop drawings and submittals. Client: DRPA

Jonathan Reynolds, E.I.T.
Inspector

Professional Profile
Mr. Reynolds is an inspector with the following experience.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 4/14-Present. Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Reynolds is responsible for the inspection of drilled shafts and foundations including drilling into bedrock, sheet pile installation, rebar installation, and concrete placement, segmental pier and roadway installation including post tensioning and grouting, existing bridge demolition, drainage structure installation, and approach roadway grating and MSE wall installation. Client: Port Authority of NY & NJ

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2013/ACI Concrete Construction Special Inspector/NC
2011/ICC Structural Steel and Bolting Special Inspector
2010/Engineer In Training/NY
2013/ICC Reinforced Concrete Special Inspector
2013/AWS Certified Welding Inspector
2014/ASBI Grouting Certification

Education
BS/2010/Civil Engineering

Course Work
2011 - Confined Space Training
2010 - 10-Hour OSHA Training Course

Total Years Experience 5

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 6/10-4/14. Inspector. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Reynolds' responsibilities included inspection of procedures that dealt with civil or structural aspects the project; preparation of daily report; assisting office engineers with change orders and quantity take offs, as needed; and processing safety, yellow, and red flags as they were received. Client: New York City Dept. of Transportation

Professional Engineering Balance Lab, LLC, San Antonio, TX. In the summer of 2009, Mr. Reynolds worked as an intern for PEBL, a professional HVAC consulting firm. PEBL services included thoroughly assessing and correcting the performance characteristics of a HVAC system. Mr. Reynolds performed testing and inspection of small to large scale commercial HVAC systems.

Omaha Public Power District (OPPD), NE. During the summers of 2007 and 2008, Mr. Reynolds worked as an intern for a power distribution company. OPPD is publicly-owned, business-managed electric utility that serves more customers than any other electric utility in Nebraska. Mr. Reynolds assisted in the planning, research and design of several structural and mechanical projects for the Fort Calhoun Nuclear Power Plant.

Computer Skills
Microsoft Office Suite, Matlab, MASTAN2 and AutoCAD

Sylvain Rodrigue
Chief Coatings Inspector

Professional Profile
Mr. Rodrigue has several years of experience on various large bridge contracts involving coatings application, structural steel and concrete installation, as well as environmental and safety compliance.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2002/NACE Certified Coating Inspector Level 3
2009/ACI Concrete Field Testing Technician Grade 1
2013/ICC Structural Steel and Bolting Special Inspector

Education
BS/1995/Environmental Science

Course Work
2013 - NACE Bridge Specialty Course
2011 - Confined Space Training
2009 - 10-Hour OSHA Training Course
2001 - SSPC C-3 Supervisor/Competent Person Training
Coatings Inspection Instrument Training
OSHA/Lead Awareness Training

Total Years Experience 19

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 3/10-Present. Chief Coatings Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Rodrigue's responsibilities include fabrication and implementation of site specific coatings inspection forms and coordination of field inspectors for various assignments. His responsibilities also include inspection of platform and containment erection; surface preparation (sp10, sp3, sp2); and application of a four-coat paint system including surface profile measurements, chloride testing, and dry film thickness measurements. Client: New York City Dept. of Transportation

George Washington Bridge Coatings Services, Fort Lee, NJ; 4/05-8/06. Coatings Inspector. This $100-million contract involved Class 1A containment of both towers of this structure over the Hudson River involving the removal of existing lead paint and the application of a new three-coat system to approximately 2.1 million sq ft of steel. Mr. Rodrigue was responsible for monitoring containment operations, quality of paint material and proper storage and mixing. They inspected surface preparation, paint application and test for compliance with contract specifications. Client: Port Authority of NY & NJ

Bronx-Whitestone Bridge Replacement of the Bronx Approach and Miscellaneous Repairs to the Queens Approach, BW-89, Bronx, NY; 10/09-3/10. Chief Coatings Inspector. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, there were massive concrete placements for concrete footings and piers. Traffic on the bridge was maintained with five lanes open to traffic. During the staged construction, work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Rodrigue's responsibilities included fabrication shop inspection visits for the fabrication/coating of new bridge girders and bearings to ensure compliance with the specification. His responsibilities also included daily inspection of the installation and grouting of stay-in-place forms for partial depth deck repairs along the Bronx Approach Span. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation, BW-85/86/WBM-339, Bronx, NY; 1/08-3/10. Chief Coatings Inspector. This project involved construction management and inspection services for coating removal and application and cable/suspender rehabilitation for Project BW-85/86/WBM-339, Select Cable Panel Opening/ Suspender Rope Removal and Replacement and Painting at the Bronx-Whitestone Bridge. Mr. Rodrigue was

responsible for the creation of paint inspection forms, overseeing and assisting other coatings inspectors during daily activities which include surface preparation inspection for SSPC-SP 2, 3, 10, 11, and 15 prepared surfaces, dry film/wet film thickness readings, and surveying of tower interiors for needed work. He also worked on the bridge painting of the suspension system and towers. Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York; NY; 1/07-1/08. Mr. Rodrigue served as a coatings inspector on this $150-million project that involved the reconstruction of the lower roadway; removal and replacement of floor beams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge in suspended and approach spans; and repair of flagged conditions. His responsibilities included inspection of traveler rail track beams, tower balconies and additional miscellaneous areas abrasive blasted to near white metal. Surface profiles were measured on prepared substrate along with dry film thickness measurements on the subsequent four-coat paint system. Additional responsibilities required inspection of surface preparation and coatings application to faying surfaces as new steel is installed for the lower level deck replacement. Client: New York City Dept. of Transportation

Queensboro Bridge Lead Paint Removal and Protective Coating, Contract BRC231P, New York, NY; 8/06-1/07. Coatings Inspector. This $170-million project involved the erection of containment structures, abrasive blasting and lead paint removal for the entire East River Bridge and the application of a three-coat painting system. Mr. Rodrigue's responsibilities included surface preparation verification along with dry film thickness measurements to verify subsequent coatings meet the specified thicknesses. Client: New York City Dept. of Transportation

Tappan Zee Bridge Painting, TANY 01-86BP, New York, NY. 6/02-4/05. Chief Inspector. This work involved SSPC Class 1A containment system, SSPC-SP10 Near-White Blast Cleaning to remove existing lead based coating and replacement of a four coat system consisting of a zinc rich epoxy primer, penetrating sealer, epoxy intermediate and polyurethane top coat. Client: Weidlinger Associates/ New York State Thruway Authority

Bronx-Whitestone Bridge, Projects WBM 319X and BW 87A & C, Miscellaneous Painting and Suspended Rope Collar Replacement & Flag Repairs and Pin Replacement, New York, NY; 3/01-6/02. Chief Inspector. The two concurrent projects totaling $4 million involved the cleaning and painting of several thousand feet of bridge median barrier, several thousand sq ft of tower interior and critical sections of the bridge suspender cables, and the installation of specialized elastomeric collars at the suspender penetrations through the main fascia girders. Also, over 1,000 critical structural steel flag repairs were completed by the contractor. Mr. Rodrigue was responsible for the oversight of the contractor's operations with respect to the coatings portion of the project. Client: Triborough Bridge and Tunnel Authority

Main Channel Pier Protection and Steel Tower Painting of the Tappan Zee Bridge , TANY 97-65B, Westchester County, NY; 1999-2000. As a construction inspector, Mr. Rodrigue's responsibilities included being in charge of the concrete testing and sampling operation for all cast in place concrete used on site. As construction inspector, duties included monitoring contractors' quantities and progress in accordance with approved plans and specifications. The project involved the installation of 48 in. diameter steel pipe piles to support post tensioned concrete tee beam panels to form the fender system for the main channel piers. Client: New York State Thruway Authority

Replacement of the Existing Pier Protection System on Six Piers and Steel Tower Painting on Two Towers of the Tappan Zee Bridge, TANY 97-46BP, Westchester County, NY; 1998-1999. NACE Intermediate Coatings Inspector. Mr. Rodrigue was accountable for quality assurance of the painting project, which consisted of abrasive blasting, the application of a four-coat paint system and the proper removal of hazardous waste. As part of the inspection team, his responsibilities included monitoring the quality of the contractors work activities, making payments for the finished contract items and enforcing the applicable specifications for all the contract work items. The work consisted of driving steel HP and pipe piles, and installing and securing structural steel members to the piles to support the fender system and performing ice breaker repairs. Client: New York State Thruway Authority

ASSIGNMENT

Senior Construction Inspector

EDUCATION

B.S Civil Engineering pending, The City College of New York, (2004 to Present)

REGISTRATION

ACI Level 1 Certified, ACI Level 2 Concrete Construction Special Inspector Certified
OSHA 10 Hour Certified, PATH-Employee in Charge Certified

REPRESENTATIVE AND PERTINENT EXPERIENCE

Mr. Rodriquez has over 11 years of experience in construction, including multi-trade work and electrical. He has performed inspection of various contractor operations, including foundations, concrete work, pile driving, steel erection, paving, and electrical components for compliance with plans and specifications. On a regular basis, Mr. Rodriguez compiles and distributes written contract administration documents such as daily reports, controlled inspection reports and daily time and material records. He documents unit price work and when extra work is identified he prepares notifications and estimates for change orders, which ensure that all construction activity is performed in compliance with contract specifications and industry standards. He is proficient with computer software and is familiar with Port Authority systems and procedures. Mr. Rodriguez excels in planning, phasing, coordinating amongst various and diverse facilities, print reading, contract administration, schedule management, cost control and. has the essential tools to be an effective communicator.

- **Senior Construction Inspector, Port Authority of NY & NJ, PATH** – Inspected various PATH projects including:
  - > **Immediate Repairs** - Supervised a wide range of work from water mitigation in stations and tunnels to spall removal from parking structures and underpinnings of overpasses and bridges
  - > **Post- Super Storm Sandy Tunnel Cleaning and Service Restoration** - Supervised power washing and wet abrasive blasting of iron ring sections in Tunnels. Supervised installation of flood barriers and restorations of substations.
  - > **PATH Hoboken Corridor Modernization** - Supervised/Inspected installation of drainage, construction of stairwell, installation of a pre-fabricated steel ceiling.
  - > **Harrison Station Staircase** - Inspector for foundation, rebar placement for multiple phase erection of staircase.
  - > **Digital CCTV Installation Project for Multiple PATH Stations & Facilities** - Electrical inspector for contractor conduit and camera installations for various PATH Stations. Supervised restoration of penetrations to structures containing asbestos. Managed scheduling manpower and access for secured area installations.
  - > **Interior Strengthening Project for PATH Tunnels** - Inspected installation and grouting of re-enforcement plates inside the tunnel. Inspected welding and alignment fascia plates. Inspected and coordinated excavation and compaction for foundations and concrete beams and columns. Inspected rebar installation and pre-tensioning. Inspected shotcrete installation. Inspected installation of piping for tunnel standpipe. Electrical inspector for removal and relocation/installation of new conduit and cable for tunnel lighting, power and communications.

- > **Platform Communication Upgrade** - Electrical inspector for contractor conduit and camera installations for various PATH Stations. Supervised restoration of penetrations to structures containing asbestos. Assisted in scheduling manpower and access for secured area installations.
- > **Signage Upgrade for PATH Stations & Facilities** - System wide upgrade of all Static and Variable Message Signs (VMS). Supervised contractors installations of conduit and bracket supports while coordinating removal of asbestos before penetrations into structures containing asbestos. Assisted in scheduling manpower and access for secured area installations.
- > **Vent Doors** - Supervised contractors daily operations, which included rock drilling, rebar installation, surveying, performing pull test, installing shortcrete.
- > **Perimeter Strengthening for PATH Tracks** - Managed installing of security fencing along exposed PATH Tracks. Inspected Concrete for all post and assured that job was completed and built as per contract drawings and specifications. Documented field measurements and sketched work for field reports and payments.
- > **PATH Dock Bridge Deck and Rail Replacement** - Supervised and inspected installation of timber ties and running rail. Assisted with manpower, scheduling and providing access to secure work area.
- > **Two Way Radio Communication Expansion Project for PATH Tunnels** - Electrical Inspector for contractors construction activities including manpower, materials, and equipment. Monitored layout installation plan for fiber optic and radiating cable win addition to coordinating testing and Inspection for project installations. (2/09 – Present)

- **Construction Inspector, Port Authority of NY & NJ, PATH and Port Newark/Elizabeth, Various Projects** – Inspected pile driving for North Street Bridge, driving timber piles for Berth 10, and removal of asbestos in Seaman's Church at Port Newark. At PATH, inspected TEDS (Temporary Evacuation Detection System) in tunnels "E" and "F", flood gates at WTC tunnel portals and conduits and support brackets for 800 MHZ radio communication system. Also assigned to demolition of concrete in Journal Square Parking lot. Verified construction was according to plans. Prepared daily reports. (06/08 – 09/08)

- **Construction Inspector, Port Authority of NY & NJ, WTC Reconstruction** – Working as an Intern in the West Bathtub, inspected contractors' means and methods including slurry wall tie backs, foundation concrete pours, pile driving including counting blows, and ductbank installation. Also assigned to temporary PATH Station entrance/exit. Maintained daily log and issued daily report. (06/07 – 09/07)

- **Overnight Manager, Abercrombie & Fitch, New York, NY** – Managed and directed a crew of 10-20 employees. Maintained a daily log of duties performed and inventory supply. Conducted daily meeting with management staff. (09/07 – 2/08)

- **Electrical Mechanic, AA Electric, Ozone Park, NY** – Responsible for customer service issues. Managed and directed a crew of 6 men. Authorized electrical wiring of houses and buildings. Installed new electrical services underground and overhead. Repaired and replaced old construction wiring. (05/05 - 06/07)

- **Customer Service Representative, Allstate Insurance Company, Brooklyn, New York** –Managed customer service issues. Maintained a cash flow, received payments and prepared deposits for the bank. Advised clients on insurance policies through telemarketing. (6/04 - 1/05)

William Rossiter
Inspector

Professional Profile
Mr. Rossiter is a highly-skilled and safety-conscious material testing technician with experience managing and prioritizing large volumes of work orders for commercial projects. His experience includes:

Service and Repair: Adept in all aspects of materials testing. Able to troubleshoot, repair and maintain testing equipment and all related components.

Materials Testing Skills: Grout and soil testing, pull tests, coring, boring, concrete encasement/removal, concrete field, asphalt, fire proofing, windsor pins and probes, and rebar testing.

Customer Service: Committed to quality performance and service. Offer excellent customer service skills, and a consistently high level of productivity on project sites. Able to work effectively with co-workers in order to complete projects within established timeframes.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2013/ICC Structural Steel and Bolting Special Inspector
2010/ACI Aggregate Testing Technician Level 1
2010/ACI Concrete Lab Testing Technician Level 1
2010/ACI Concrete Field Technician Grade 1
2011/NICET I
2011/NICET II

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2009 - 10-Hour OSHA Training Course

Total Years Experience 9

Administration: Excellent organizational skills with the ability to manage multiple time-sensitive tasks. Accurately document all completed jobs to ensure proper billing. Continuously maintain compliance with all safety rules, policies and procedures.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 6/13-Present. Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Rossiter is responsible for maintenance and protection of traffic, clearing and grubbing operations, and erosion protection procedures. Client: Port Authority of NY & NJ

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 5/11-6/13. Inspector. This $149-million project involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Rossiter was responsible for removal/replacement of suspenders; replacement of cable band bolts; daily maintenance and protection of traffic; painting of structural steel; preventative maintenance of the bridge; replacement of handropes; structural flags; and coordination with New York City transit flagmen. Client: New York City Dept. of Transportation

Trio Testing, Farmingdale, NY; 2008-2011. Mr. Rossiter has performed general material testing on large commercial projects including asphalt quality control inspections; core drilling for both asphalt and concrete; masonry; soil; concrete; and rebar. His laboratory experience includes protectors; gradation; compression tests on cylinders, cubes and cores. He also has experience as a dispatch assistant responsible for repair and maintenance of company adherence. Mr. Rossiter adhered to code requirements.

William Rossiter
Inspector

Quincy Industrial, Quincy, IL; 2006-2008. As a full-time employee, Mr. Rossiter performed all aspects of commercial and residential painting. He developed expertise in multiple painting techniques including air assisted, air less, gravity and siphon feed. He intermittently worked on projects utilizing experience with welding, auto body painting and sand blasting.

Materials Testing Lab, Farmingdale, NY; 2003-2006. Mr. Rossiter performed general material testing related to all aspects of concrete including coring, boring, encasement/removal, asphalt, fire proofing, fire stopping, roof inspections, rebar and pull tests.

Reza Saba
Senior Inspector

Professional Profile
Mr. Saba has 30 years of experience in inspection. He has general knowledge of construction management and inspection of highway and bridge construction. He also has experience in engineering calculation and is familiar with the Port Authority of New York & New Jersey, New Jersey Dept. of Transportation and New Jersey Turnpike specifications.

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - George Washington Bridge, Fort Lee, NJ; 9/11-Present. Senior Inspector. This project involves joint replacement of the upper level deck. The project also involves the replacement of orthotropic deck, scupper and pipe run replacement, expansion finger joint repairs, main/secondary floorbeam repairs, stringer and stringer bearing repairs, deck rib connections, barrier repairs, paving, and coordination of maintenance of traffic. Mr. Saba is responsible for coordination and inspection of all related work. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - George Washington Bridge Coatings Services, Fort Lee, NJ; 2000-9/11. Senior Inspector. This $100-million contract involved Class 1A containment of both towers of this structure over the Hudson River involving the removal of existing lead paint and the application of a new three-coat system to approximately 2.1 million sq ft of steel. Mr. Saba was responsible for all night construction operations including contractor oversight; controlled inspections; and coordination with facility and PA police for implementation of required maintenance of traffic for contract work on various roadways. He was also involved with the supervision and coordination for on-going George Washington Bridge contracts including GWB244.006, Painting underside of upper level; GWB 244.005, Rehabilitation of PIP/Upper level interchange; GWB 477, Trans Manhattan Expressway lighting; GWB 450, Upper level lighting; GWB 244.110, Fixed sign renovation; GWB 244.108, Painting NY and NJ towers; GWB 244.085, ITS; GWB 244.020, Henry Hudson ramp rehabilitation; GWB 244.022 joint replacements of the upper level deck; and various multi-facility contracts. Client: Port Authority of NY & NJ

Lincoln Tunnel, New York, NY; 1997-2000. Mr. Saba was responsible for the center tube rehabilitation, toll plaza improvement, and rehabilitation of Helix. Client: Port Authority of NY & NJ

Township of Pohatcong; 1994-1997. Mr. Saba served as resident engineer on this capital improvement project. His responsibilities included the coordination of the construction activities for overlaying and repair of various roads within the municipality.

Pohatcong Plaza Shopping Center; 1994-1997. Mr. Saba served as resident engineer where his responsibilities included inspection of site improvements for the Township of Pohatcong. The project also included drainage, sanitary and watermain installation as well as curb and paving. Project cost: $6 million.

Route 46 Bridge and Road Rehabilitation; 1994-1997. Office Engineer/Senior Inspector. Mr. Saba's responsibilities on this project included maintenance and protection of traffic for multiple stages of roadway and bridge construction. Bridgework consisted of phase demolition of existing structure and the construction of P/S box beam girders. He also performed daily inspection of all construction activities including excavation, concreting pile driving and paving. Project cost: $2.8 million. Client: New Jersey Dept. of Transportation and County of Morris Road & Bridge Dept.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2009/ACI Concrete Construction Special Inspector
2010/ICC Structural Steel and Bolting Special Inspector
2003/NICET IV

Education
AAS/1983/Civil Engineering

Course Work
2011 - ASCE Earth Retaining Structures: Selection, Design, Construction & Inspection
2010 - 4 Hour NYC DOB Scaffold Training Under Local Law 52 (2014)
2009 - 10-Hour OSHA Training Course
Hazardous Material Certified, Rutgers University
Maintenance and Protection of Traffic Certified
Health and Safety
Asphalt Institute, Super Pave Design Certified
SAT - Society of Asphalt Technologist

Total Years Experience 30

Reza Saba
Senior Inspector

Mr. Saba worked as a clerk of works where he performed inspection, coordinated daily construction activities for three bridges, and submitted daily reports and monthly pay estimates.

New Jersey Turnpike, Exit 14 Toll Plaza Widening; 1992-1994. Resident Manager. This $13-million project included six miles of roadway, widening, night milling, boring, piezometer monitoring, pile driving, sheeting, tunneling and toll plaza construction. The project also included removal and disposal of 16,000 plus cy of contaminated (ID27) and hazardous soil. Mr. Saba's responsibilities included the coordinating of daily lane closings, documentation of daily records, initiating and processing items in dispute.

Mr. Saba worked on the following projects from 1986-1991.

Route 24, Madison, NJ. Chief Inspector. This $7.5-million project involved road construction, sound barrier walls and various utility work. Mr. Saba's responsibilities included supervision of six inspectors and preparing daily reports and quantities.

Church Lane and Dutch Road. This $5.5-million project involved bridge and road construction, water and gas main construction. Mr. Saba's responsibilities included managing all aspects of construction on both structures. Prepared daily quantity estimates for items in progress.

Davidson Mill and Deans Road. This $7.7-million project involved the inspection of the placement of structural steel, concrete deck placement of the bridges overpassing the New Jersey Turnpike. Mr. Saba's responsibilities also included enforcing safety regulations.

Hardenburg Bridge. Mr. Saba served as chief construction inspector in charge of structural steel placement and concrete structures. He prepared item summary sheets and monthly quantity report.

North Branch and Ireland Brook Bridges on Mainline Turnpike over Wetlands. Inspector. This $7-million project involved the inspection of the precast concrete beam, piling driving operation and all other aspects of bridge construction.

Finderne Avenue. Senior Inspector. This $4.3-million project involved overseeing the demolition and construction of the bridge over NJ Transit Railway, construction across temporary bridge. Mr. Saba prepared quantity reports and completed as-built books.

Earl Weapon Station, Turnkey Operation, 250 Units, Condominiums. This $13-million project involved a 50-unit condominium rehabilitation, turnkey operation. Mr. Saba's responsibilities included supervising and coordinating construction activities among different trades; and supervising and coordinating between trades, the interior demolition and reconstruction of these units.

Driscoll Bridge, Garden State Parkway, NJ. This project involved substructure rehabilitation of the bridge. Mr. Saba's responsibilities included sounding and demolition of spalled concrete, inspecting gunite application and rebar placement. He also prepared quantity estimates and as-built drawings.

Garden State Art Center, NJ. This project involved the rehabilitation and construction of atrium buildings and concrete hall, supervised work in progress, coordinated and managed changes between architect, contractor and the client.

Mr. Saba worked with another firm, surveying, estimating, plan review and field inspection of residential single-family units and commercial buildings under construction. 1983-1986 Name of Firm: Township of Old Bridge, Engineering Dept.

Thomas Shepherd
Chief Inspector

Professional Profile
Mr. Shepherd has been involved on several of GPI's major urban construction inspection projects for many years. He has become one of the firm's top concrete testing and placement inspectors. He also has extensive structural steel installation and repair experience, and has provided maintenance and protection of traffic coordination, utility relocation, and office engineering.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2011/ICC Reinforced Concrete Special Inspector
1995/NACE Coating Inspector Level 1 - Certified
2008/ACI Concrete Field Technician Grade 1
2008/AWS Certified Associate Welding Inspector
2011/ICC Structural Steel and Bolting Special Inspector
2013/ICC Structural Welding Special Inspector
1991/NICET IV

Course Work
2011 - Confined Space Training
2010 - ASME Rigger Trainer Development & Block Clinic
2008 - OSHA 1-Hour Lead Awareness Training
2005 - 10-Hour OSHA Training Course
2004 - Traffic Work Zone Safety Training Course - GPI
2000 - Traffic Work Zone Safety Training Course - GPI
2000 - OSHA Best Safety Scaffolding Task Training
SSPC C-3 & C-5 Supervisor/Competent Person for Deleading/NY

Education
AAS/1996/Construction Technology
AAS/2009/Civil Engineering

Total Years Experience 29

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 5/10-Present. Chief Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Shepherd's responsibilities include daily review of the contractor's proposed work schedule and MPT operations in order to assign the proper inspection staff; scheduling and coordinating daily lane closures with other city agencies; overseeing field operations including training and supervising the inspectors in testing of structural concrete, asphalt placement and steel erection; review of inspector's daily reports for accuracy and conformance with MURK and field verification of the proper placement of steel and wood forms, rebars and structural deck concrete, seismic retainers and reinforcement plates at top of columns and column base, retrofit for seismic design. Also includes drilling of Micro piles and column base plate retrofit then encasement in reinforced concrete, seismic retrofitting of the main bridge and ramps. Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 9/05-5/10. Chief Inspector. This $138-million project involved construction engineering and inspection for the widening, redecking and repainting of this viaduct with complex MPT on and below this heavily traveled structure. Rehabilitation of this high-volume major interstate urban highway/bridge included replacement of more than 400 bearings and 1500 meters of bridge expansion joints. Also included in this project is extensive coordination with agencies and local communities. Mr. Shepherd's responsibilities included daily review of the contractor's proposed work schedule and MPT operations in order to assign the proper inspection staff; overseeing field operations including training and supervising the inspectors in testing of structural concrete, asphalt placement and steel erection. He reviewed inspector's daily reports for accuracy and conformance with MURK and he did field verification of the proper placement of steel forms, rebars and structural deck concrete, seismic retainers and reinforcement plates at top of columns and column base, retrofit for seismic design. The project also includes drilling of column base plate retrofit then encasement in reinforced concrete. Client: New York State Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 8/04-9/05. Senior Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint,

rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Shepherd was responsible for structural steel inspection for the strengthening of the main tower framing and the installation of the new "5th Leg". He was also involved with the inspection for the installation of new multi-directional rotation bearing. Client: New York City Dept. of Transportation

Long Island Expressway/Cross Island Parkway, Exits 29-32, Queens, NY; 3/01-8/04. As senior inspector, Mr. Shepherd provided construction inspection services for the $147-million rehabilitation of the Long Island Expressway/Cross Island Parkway (LIE/CIP) interchange. Mr. Shepherd's responsibilities included the direct oversight of the reconstruction of a local bridge over the LIE (East Hampton Blvd. Bridge), a pedestrian bridge over the LIE (Cloverdale Blvd. Bridge), a local bridge over the Cross Island Parkway (West Alley Road Bridge), and two permanent H-Pile Retaining Walls at West Alley Road. He was responsible for the inspection of all supportive excavation H-Pile wall installations, substructure forming and concreting operations, superstructure steel and pre-cast box girder erection, deck construction and all other ancillary tasks such as parapet construction, fencing, etc. Mr. Shepherd also served as the Team Leader for the majority of all concrete placement operations throughout the project, providing Quality Control measures for these operations and assistance to the inspection staff. He also performed inspection duties for drainage and utility relocation operations, as well as the construction of temporary and permanent geo-reinforced earth system (GRES) walls. He was responsible for work associated with landscaping operations for the interchange areas and NYC Parks Dept. land throughout the project limits. This included installation of all trees, shrubs, ground cover and turf in conformance with both the NYSDOT and NYC Parks Dept. specifications. Client: New York State Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 6/00-3/01. Senior Inspector. The $176-million project consisted of the demolition and reconstruction of the entire BMT transit structure on the Williamsburg Bridge. Mr. Shepherd's responsibilities included the inspection of the installation end span, inspection of platform and demolition of existing structure, and truss bearing replacement at panel point 20. Client: New York City Dept. of Transportation

Long Island Expressway - Grand Central Parkway to Van Dam Street Reconstruction, Contract #D257842, Queens County, NY; 6/99-6/00. Senior Inspector. This $221-million project began at the Queens Midtown Viaduct and continued east approximately six miles to College Point Boulevard. Mr. Shepherd's responsibilities included setting up inspectors for contractor's field operations, milling, deck partial-depth repair and full-depth repair, widening of Queens Boulevard Bridges, preparing contractor payments, inspector's reports, photo logs, and minutes of meetings. A computer filing system was maintained according to MURK. Client: New York State Dept. of Transportation

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, #BRC1568C, New York, NY; 9/97-6/99. Chief Inspector. This $124-million project included construction of lower level subway floor beams, stringer panels, bridge bearings, under deck work platform, lateral bracing; removal of existing rail tracks and reinstallation of the same; construction of subway tunnel roof slab and steel beam; repairing cable wires at anchorage saddles and housing; rehabilitation of colonnade structure and Manhattan Plaza, and miscellaneous structural steel repair for the bottom chord and truss. Mr. Shepherd was responsible for demolition/rehabilitation of the NYCTA tunnel roof, Brooklyn 210 ft x 40 ft and Manhattan 178 ft x 40 ft. He was also responsible for the restoration of the Manhattan colonnade/arch and plaza area. Client: New York City Dept. of Transportation

Manhattan Bridge West Side Approach and Suspended Spans Rehabilitation, Contract #BRC156E, New York, NY; 8/92-9/97. Senior Inspector. As team leader for new construction, Mr. Shepherd's responsibilities included setting up the field office which the inspectors used for record keeping and daily report writing, paving, drainage, landscaping, guide rails, placement of concrete footing for walls, deck slabs, etc. Client: New York City Dept. of Transportation

Omar Soriano, E.I.T.
Inspector

Professional Profile
Mr. Soriano is an inspector with the following experience.

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 5/10-Present. Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Soriano is responsible for the erection of Safespan Platform system in accordance with the proposed shop drawings for the ramp structures, main span and approach steel structures. He is also responsible for inspecting sandblasting and painting operation including Class A containment set up; metal deck platform installation; assuring that the steel is blasted to near white metal as per SP 10 requirements or as specified in the plans for each structure; enforcing the standards specified in the material data sheets for the proposed corrosion protection coating system applied including the primer, intermediate, stripe and finish; approving and paying for each applied coat after the appropriate curing time is reached.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2013/ICC Structural Steel and Bolting Special Inspector
2009/NACE Coating Inspector Level 1 - Certified
2008/Engineer In Training/NY
2014/FHWA Safety Inspection of In-Service Bridges
2012/Certified Associate Welding Inspector
2008/ACI Concrete Field Testing Technician Grade 1

Education
BE/2008/Civil Engineering

Course Work
2014 - Safety Inspection of In-Service Bridges NHI Certificate of Training
2013 - Hazard Communication - Your Right to Know
2012 - Business Ethics - What Employees Need to Know
2008 - 10-Hour OSHA Training Course
2008 - 1-Hour Lead Awareness Training
2008 - Practicing Institute of Engineering, Inc.- PS[redacted]
Value Engineering at the Brooklyn Bridge Traveler Replacement Contract Certification

Total Years Experience 11

Other responsibilities include:

- Inspecting and verifying compliance with the shop and contract drawings for the reconstruction of the approach ramps for the Manhattan and the Brooklyn side of the bridge including the demolition of the existing concrete deck, steel railing and fascia removal, grid deck installation, diaphragms and bearings replacement as well as new steel railings and steel curb installation.
- Leading other inspectors during the reconstruction of the overpasses on the Brooklyn side of the bridge. Reconstruction includes the temporary steel shoring of the Main Street and York Street structure; demolition and replacement of the concrete deck and back wall; and the removal and replacement of the entire steel structures.
- Supervising the welding of spliced steel sections or repairs of the different steel structures on the ramps including floor beams, grid deck panels and bearings following the standards set aside by the American Welding Society Standards (AWS), the NYSSCM and as specified on the Engineer Clarification Memo (ECM).
- Placement of the High Early Strength structural concrete for the approach ramps' closure pour on the Manhattan side of the bridge. He was in charge of the quality assurance of the concrete mixture and placement. Quality assurance included: air monitor testing, slump, strength maturity and temperature as well as relative humidity, all in reference to the ACI and NYSDOT standard specifications.
- Overseeing the placement of HMA super pave over the new concrete deck ramps.
- Checking the quality assurance of the material, the elevation of the HMA pavement as well as its % compaction as specified in the NYCDOT Standards Specifications.
- Overseeing the contractor during the main span retrofitting including the installation of temporary columns and bearing beams at the Brooklyn Anchorage; the jacking of the existing floor beam and trusses for bearings and column replacement; the installation of new bearings replacement or reinforcement of existing trusses; installation of new floor beams diagonal support cables etc .
- Checking bolted connection splices for the seismic reinforcement repairs on the suspended bridge structure.
- Review of the submitted shop drawings and calculations for all the structural repairs mentioned above and verifying compliance with the contract plans and shop drawings as well as the specified standards.

Omar Soriano, E.I.T.
Inspector

- Quality control of the removal and installation of elastomeric bearings for the Manhattan approach ramps.
- Review of the submitted shop drawings and calculations for all the structural repairs mentioned above and verifying compliance with the contract plans and shop drawings as well as the specified standards.

Client: New York City Dept. of Transportation

Rehabilitation of the Brooklyn-Queens Expressway (I-278), Park Avenue Viaduct, D259766, Kings County, NY; 3/08-5/10. Mr. Soriano served as an inspector for this $138-million project that involved construction engineering and inspection for the widening, redecking and repainting of this 850,000 sq ft viaduct with complex MPT on and below this heavily traveled structure. The structure had seismic reinforcement installed which included retainers and plates at the top of columns and additional stiffeners and plates at the base. Also included was extensive coordination with agencies and local communities. Mr. Soriano's responsibilities involved the inspection of the proposed seismic reinforcement of the Park Avenue Viaduct steel columns including the core drilling of holes and the installation and grouting of the 1100mm long anchor bolts. He was also responsible for the steel reinforcement and the concrete deck placement for the two lanes 1485 meters in length, state IVA/IVB of reconstruction; inspection of the saw grooving, concrete deck protective sealing installation and elastomeric concrete armorless joints placement for the before mentioned stage of reconstruction. His duties included examination of shop drawings; quality assurance of the concrete and reinforcement placement as specified in the contract plans and the NYSDOT Standard Specifications; reporting daily progress of the work being performed and making payments as per the specified item description; inspection of the Park Avenue Viaduct sandblasting and painting operation including class A containment set up; fence and metal deck platform installation; assuring that the steel was blasted to near white metal as per SP 10 requirements; enforcing the standards specified in the material data sheets for the primer, intermediate, stripe and finish coat applied; approving and paying for each applied coat after the appropriate curing time was reached. Mr. Soriano supervised the Nassau Concord Viaduct East Abutment pedestals repairs and bearing reset, including the jacking of nine floor beams and placement of temporary steel columns; and creating Excel spreadsheets to finalize quantities for the closing of the project. Client: New York State Dept. of Transportation

Exterior Street Ramp Bridge over Metro-North Rail Road, Bronx County, NY; 4/07-3/07. Senior Engineering Technician. This project involved inspection of excavation and demolition of an existing bridge including lead paint removal from the bridge girders, stringers and diaphragms; examination of shop drawings for the construction of a temporary bridge to rebuild the existing Exterior Street Bridge ramp, abutments and columns; inspection of sheet piles and mini piles installation; and also involved computing volume calculation and payment for the asphalt placement on the temporary bridge.

Installation of Intelligent Transportation System (ITS) Improvement along the Cross Bronx Expressway Corridor, Routes I-95, I-295, I-695), NY; 9/06-12/06. Transportation Construction Inspector III. This project involved inspection of installation and removal of electrical conduit for ITS optic fiber, camera, street lighting and VMS board; inspection of adequate trench and conduit excavation, and backfill; responsible for safety MPT application in accordance with the contract plans and specification based on the Manual for Uniform Control Devices (MUTCD); inspection of foundation reinforcement and concrete pouring; responsible for conducting slump, air and cylinder tests of the concrete in accordance with the NYSDOT Standard and Specification Manual; responsible for writing daily inspector's report to pay the contractor for the work he achieved. The reports included computations of quantities of the item(s), description of work performed, etc.

Safety Improvement of the Major Deegan Expressway Acceleration Lane and Fordham Landing Playground, NY; 6/06-9/06 and 6/05-12/05. Transportation Construction Inspector III. This project involved inspection of excavation of 30-ft-deep holes on earth with auger machinery for soldier piles installation; checking that excavated holes were in accordance with the depth and diameter specified on the contract plans to avoid soil erosion and failure in the foundation; installation of soldier piles and pre-cast wall panels for a retaining wall of approximately 300m long; computed an immense quantity of structural excavation, including the removal of an existing retaining wall, concrete and asphalt pavement excavation; inspection of the pouring of structural concrete and asphalt pavement of two 300m-long acceleration and shoulder lanes; conducted various slump, air and cylinder tests for the sections poured.

Rehabilitation of Arthur Sheridan Expressway, Bronx County, NY; 6/04-12/04 and 6/03-12/03. Transportation Construction Inspector. Mr. Soriano assisted the office engineering with quantity check calculations including cost estimate; assisted the resident engineer with calculations and design of the vertical alignment for the 2.5-mile weaving lane; reviewed contract's shop drawings and staging plans; participated in the placement of sub-grade sub-base and European pavement of the three lanes and ramps of the three-mile-long expressway.

Evan Steele
Coatings Inspector

Professional Profile
Mr. Steele provides comprehensive coatings removal and application inspection for bridge, roadway, and treatment plant facility rehabilitation/reconstruction projects. In addition, he has significant experience working within the specific recordkeeping requirements of public agencies and municipalities.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2010/NYCT Track Safety Certified/NY
2008/NACE Certified Coating Inspector Level 3

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2010 - 10-Hour OSHA Training Course

Total Years Experience 12

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 10/13-Present. Lead Coatings Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). The project also involves the total coatings removal, painting, and rehabilitation of the existing arch. All new steel on this project will be shop-primed and over coated in the field while existing steel members will be cleaned to a SSPC SP-10 and coated with a three-coat system (zinc/epoxy/urethane). Lead abatement will also be performed on many small localized areas including cutlines and connection points in preparation for demo and removal. Mr. Steele is responsible for oversight of the quality assurance program, providing inspection of all surface preparation and coatings operations along with overseeing other inspectors throughout the project. Mr. Steele's responsibilities include inspection of work being performed for compliance with project specifications and industry standards with written and photographic documentation provided to the client. Mr. Steele also records and documents ambient conditions; records batch numbers used and verifies proper mixing of coatings; coordinates MPT and provides written and visual documentation of all phases of productive work; reviews contract submittals and contract drawings and develops controls and checklists/inspection forms for lead paint removal, surface preparation and new coatings application in accordance with SSPC and Port Authority standards; maintains all quality assurance painting logs and meets frequently with safety, quality control, quality assurance and supplier personnel to discuss issues and to resolve problems; serves as a liaison between the Port Authority construction management and facility managers to resolve any issues safety, security or otherwise on site; and he also writes daily narratives/reports and assists the assistant resident engineers with monthly estimates for progress payments. Client: Port Authority of NY & NJ

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 8/10-10/13. Coatings Inspector. Mr. Steele was responsible for the proper removal of existing coatings and the placement of a new three-coat paint system for all structural connections; and overseeing other coatings inspector(s) throughout the project. He maintained all quality assurance painting logs and met frequently with safety, quality control, quality assurance and supplier personnel to discuss issues and to resolve problems. Mr. Steele also wrote daily reports and created estimates for progress payments. Client: New York City Dept. of Transportation

Staten Island Railroad Bridges, Staten Island, NY; 8/11-10/13. Chief Inspector. This project involved REI services in connection with protective coating of Staten Island Railroad (SIRR) Bridges. During 54-hour weekend outages, Mr. Steele was responsible for the coordination of track outages with the contractors and SIRR construction managers and flaggers. He also performed quality assurance inspections on 14 bridges along the SIRR; recorded and documented ambient conditions; recorded batch numbers used and verified proper mixing of coatings; recorded visual documentations of all phases of productive work; and coordinated inspections with the environmental inspector. Client: New York City Dept. of Transportation

Throgs Neck Bridge (TN-85), Queens, NY; 9/07. Coatings Inspector. This project included structural steel paint removal and new coatings application for the Main Span underdeck painting at the Throgs Neck Bridge. Mr. Steele's responsibilities for this major abrasive blasting project included coordination and oversight of contractor operations during implementation of paint removal, surface preparation and new coatings application activities; conducting non-destructive testing of newly coated surfaces and recording quality assurance and site safety documentation for applied materials and equipment and related work operations; review of contract submittals and containment drawings and development of controls and checklists/inspection forms for lead paint removal, surface preparation

and new coatings application in accordance with SSPC and Triborough Bridge and Tunnel Authority reporting and quality assurance/quality control protocols. In addition, he was involved with coordination of work activities and contractor schedules with the TBTA Engineering and Operations Department.

Fly over Ramp LaGuardia Airport, Queens, NY; 4/07-8/07. Chief Inspector. This project included structural steel paint removal and new coatings application for a fly over ramp at LaGuardia Airport. Mr. Steele's responsibilities for this project included coordination and oversight of contractor operations during implementation of paint removal, surface preparation and new coatings application activities; conducting non-destructive testing of newly coated surfaces and recording quality assurance documentation for applied materials and equipment; review of contract submittals and containment drawings and development of controls and checklists/inspection forms for lead paint removal, surface preparation and new coatings application in accordance with SSPC and Port Authority of NY & NJ reporting and quality assurance/quality control protocols.

Henry Hudson Bridge, New York, NY; 8/06-12/06. Chief Inspector. This project involved structural steel paint removal and new coatings application for this large steel arch bridge over Spuyten Duyvil Creek between Bronx/Manhattan. Mr. Steele's responsibilities for this project included coordination and oversight of Inspection staff during contractor operations for all paint removal, surface preparation and new coatings application activities; providing quality assurance inspection/testing and documentation for applied materials and equipment; review of contract submittals and containment drawings and development of controls and checklists/inspection forms for lead paint removal, surface preparation and new coatings application in accordance with SSPC and Triborough Bridge and Tunnel Authority reporting and quality assurance/quality control protocols.

102nd Street Bridge LaGuardia Airport, Queens, NY; 9/05-2/06. Chief Inspector. This project included structural steel paint removal and new coatings application for a steel and concrete bridge structure at LaGuardia Airport. Mr. Steele's responsibilities included coordination and oversight of contractor operations during implementation of paint removal, surface preparation and new coatings application activities; conducting non-destructive testing of newly coated surfaces and recording quality assurance documentation for applied materials and equipment; coordination of schedule with Contractor Superintendent; review of contract submittals and containment drawings and development of controls and checklists/inspection forms for lead paint removal, surface preparation and new coatings application in accordance with SSPC and Port Authority of NY & NJ reporting and quality assurance/quality control protocols. He also provided quality assurance/quality control inspection for all fabricated and painted piping.

Throgs Neck Bridge, Queens, NY; 12/04-2/05. Chief Inspector. This project included structural steel paint removal and new coatings application for the Main Span outer chord and fascia painting at the Throgs Neck Bridge. Mr. Steele's responsibilities for this project included coordination and oversight of contractor operations during implementation of paint removal, surface preparation and new coatings application activities; review of contract submittals and containment drawings and development of controls and checklists/inspection forms for lead paint removal, surface preparation and new coatings application in accordance with SSPC and Triborough Bridge and Tunnel Authority reporting and quality assurance/quality control protocols.

George Washington Bridge, New York, NY; 6/02-9/05. Coatings Inspector. Mr. Steele's responsibilities for this major abrasive blasting and repainting project included coordination and oversight of contractor operations during implementation of paint removal, surface preparation and new coatings application activities; conducting non-destructive testing of newly coated surfaces and recording quality assurance and site safety documentation for applied materials and equipment and related work operations; review of contract submittals and containment drawings and development of controls and checklists/inspection forms for lead paint removal, surface preparation and new coatings application in accordance with SSPC and Port Authority of NY & NJ reporting and quality assurance/quality control protocols. In addition, Mr. Steele assisted in performing coatings assessment surveys as requested during the work. Service Employees International Union/ Local 1199; 3/01 to 5/02. Customer Service Representative. Mr. Steele performed various clerical duties including database maintenance, member inquiries, and served as a telephone operator. Duties also included the operation of phone lines for various political campaigns.

Elliot Strika
Coatings Inspector

Professional Profile
Mr. Strika has 20 years of diversified construction experience in bridge rehabilitation and painting processes.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 11/13-Present. Lead Coatings Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Strika is responsible for the inspection of foundations, electric, demolition, maintenance of traffic, temporary shoring towers, lead abatement for steel removal, and painting. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - Staten Island Bridges Rehabilitation, Staten Island, NY; 10/08-2/10. Coatings Inspector. The project involved construction inspection for structural, civil, mechanical, electrical, and bridge painting services for the three Staten Island Bridges operated by the Port Authority of New York & New Jersey. Mr. Strika's responsibilities at the Bayonne Bridge included inspection of abrasive blasting and painting operation and quality control for the Port Authority. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - George Washington Bridge Painting, New York, NY; 7/09-10/09. Coatings Inspector. This $100-million contract involved Class 1A containment of both towers of this structure over the Hudson River involving the removal of existing lead paint and the application of a new three-coat system to approximately 2.1 million sq ft of steel. Mr. Strika was responsible for inspecting power tool cleaning of bridge and three-coat paint system application for the cable socket closures. Client: Port Authority of NY & NJ

Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 5/13-11/13. Chief Coatings Inspector. This $236-million project involved reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work included removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. His responsibilities included performing inspection for protective shielding installation per approved shop drawings, SSPC Class 1A containment systems, surface preparation of dry abrasive blasting to SSPC SP10 standard, monitoring ambient conditions, observing material mixing and thinning procedures and ensuring coatings application of a three-coat and two-stripe coat paint system is in compliance with project specifications. Client: Triborough Bridge and Tunnel Authority

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/10-5/13. Chief Coatings Inspector. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2007/NACE Certified Coating Inspector Level 3
2014/NICET III
2013/ICC Structural Steel and Bolting Special Inspector

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2009 - Confined Space Training Certificate
2009 - I.U.P.A.T. NJ 32-Hour Initial Lead Based Paint Abatement Worker Course
2009 - NJD H&S Services Lead Certified Person
2008 - NACE CIP Bridge Course
2008 - Unit 1 & Unit 2 on Corrosion and Surface Preparation Certificate
2008 - MTA NYCT Track Safety Trained
2007 – 10-Hour OSHA Training Course
Lead-Based Paint Abatement Trained

Total Years Experience 21

historic features. Mr. Strika's responsibilities included NYCDOT quality assurance including inspection of all phases of surface preparation and paint systems application. He was also involved with civil quality assurance which included all aspects of inspection during installation of primary protective shielding, temporary concrete barriers (pinned), concrete/asphalt sawcut core drilling operations for removal of existing approach ramps curbs, handrails and roadway deck. He was also involved with application of spray applied waterproofing membrane, installation of precast concrete grid deck, prefabricated slab on grade (super slab) and steel facing curbs on Brooklyn Bridge approach ramps. Mr. Strika was also involved in QA/QC during hot mix asphalt paving operation on the Manhattan approach ramps which included temperature checks and yield and depth checks. The rolling patterns were based on nuclear density tests. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 9/11-10/11. Coatings Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures were new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation. Mr. Strika was responsible for QA inspection of power tool cleaning and application of three-coat paint system on all fasteners for newly installed field splice plates, cross bracing and stiffener connections located at interior and exterior of three new box girder. This included surface preparation, paint mixing procedure, coatings application and ambient conditions monitoring. He was also involved with lead abatement on existing bridge locations designated as red/yellow flag repairs. Client: New York City Dept. of Transportation

Rehabilitation of Robert Moses Causeway, NY; 5/07-12/07. Mr. Strika was responsible for installation and removal of cable and chain link fence platform systems including stretching 5/8 in. steel cable, down riggers and out riggers, laying down chain link fence, building and removal of containment, stripe painting of nuts, bolts, corners and edges, airless spray application of the second and finish coats. Most of the work was accomplished utilizing suspended scaffold and spider baskets.

Rehabilitation of Manhattan Bridge, NY; 6/06-11/06. Mr. Strika was responsible for installation and removal of the cable SafeSpan platform system, as well as pipe scaffolding installation. The project involved sandblasting with steel grit and airless spray application of primer coat.

Rehabilitation of Rikers Island Bridge, Astoria, NY; 9/05-2/06. Mr. Strika was responsible for installation and removal of cables and SafeSpan platform systems including stretching of 5/8 in. steel cable, installing out riggers, cable tie-ups; ¾ in. safety cables, handrails and toe boards installation.

Astoria Power Plant, Astoria, NY; 6/05-8/05.Mr. Strika was responsible for Union Shop Steward, paper work and on-site responsibilities for five painters performing brush and roller painting of large AC units with the use of spider baskets.

Broadway Junction Subway Station Rehabilitation, New York, NY; 10/04-5/05.Mr. Strika served as foreman on this project and was responsible for 15 painters and three apprentice painters. He worked with MTA inspector and MTA flagmen establishing work procedures, time and locations for the station rehabilitation project. The rehabilitation included offices, storage rooms, on and above tracks in tunnels and elevated structures. He was also responsible for temporary traffic control for work in man lifts above the roadways. Also negotiated work locations on a multi-trade job site.

American Bridge, Macombs Dam Bridge, NY; 5/03–9/04. Mr. Strika was responsible for sandblasting with black beauty to achieve SP10 "near white" surface profile for two span truss structure; running of the WiWa airless spray pump, including maintenance of spray equipment and instruments; working with six painters and one apprentice. He also instructed painters in procedures and assigned locations to work.

Ronald Takla
Assistant Resident Engineer

Professional Profile

Mr. Takla is a highly qualified construction engineer, with over 50 years of experience on major bridge construction projects. He has held various positions at GPI including resident engineer for the Port Authority of New York & New Jersey for over ten years, where he directed and lead all construction projects for the George Washington Bridge, the Holland Tunnel redevelopment, and the Staten Island Bridges. He has over 20 years of experience with the Port Authority alone. He is highly experienced in all aspects of bridge construction including foundations, concrete decks, and structural steel work including; demolition, erection, and bolted and welded connections.

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 2/14-Present. Assistant Resident Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Takla is responsible for post-award contract changes, net cost work, and change orders. Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - George Washington Bridge Coatings Services, Fort Lee, NJ; 10/02-12/09. Senior Inspector. This contract involved Class 1A containment of both towers of this structure over the Hudson River involving the removal of existing lead paint and the application of a new three-coat system to approximately 2.1 million sq ft of steel. Mr. Takla was involved on contract numbers GWB 244.220 ($13M) and GWB 244.113 ($11M). His responsibilities included coordination and inspection of field construction activities on various contracts. He also managed construction contractors' payments, contract changes, schedules, fieldwork, and subcontractors. He was also responsible for installation of fender system around the New Jersey tower base at a cost of $9 million. Client: Port Authority of NY & NJ

George Washington Bridge, New York, NY; 10/98-10/03. Lead Engineer. Mr. Takla worked on contract numbers GWB-244.005 ($7M), GWB-983.902 ($7M), and GWB-244.020 ($26M). His responsibilities included directing and leading all construction work, change orders, and schedules for these contracts. Client: Port Authority of NY & NJ

NJDOT Region North, Multiple Bridge Cleaning and Painting Projects, Interstate Bridge Painting Contract, Route I-80, Contract 3, Bergen County, NJ; 2/10-12/12. Resident Engineer. This $8-million bridge painting contract involved the painting of six bridges in Hackensack, Saddle Brook Township, and Elmwood Park. This project involved the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved coatings system. The projects incorporated traffic control on a high-speed highway, MPT, nightwork, staging, and environmental (lead abatement) constraints unique to repainting on major urban bridges. The construction services contract involved managing four separate painting contracts with three independent painting contractors. Extensive coordination was done on a daily basis with each paint contractor including coordination with other trades working on the highways. He acted as the owner's direct on-site representative to the contractor by providing direct supervision of the field inspection/engineering staff, performing quality assurance oversight of major items of work in progress, and/or ensuring that the project was constructed in accordance with the plans and specifications for the owner. Mr. Takla's responsibilities included attendance at the pre-construction meeting held prior to the start of construction which included procedures for paint removal, application of coating materials, handling hazardous materials, and traffic control and safety; review and approval of the pollution control system prior

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2012/ACI Concrete Construction Technology/NJ
2009/ACI Concrete Field Technician Grade 1/NY
2011/NJSAT Asphalt Paving Technologist/NJ
2012/Rutgers Traffic Control Coordinator Refresher
2010/Rutgers Traffic Control Coordinator Designation/NJ
2010/Rutgers Work Zone Safety Awareness/NJ

Education
BS/1983/Engineering Technology

Course Work
2010/OSHA 10-Hour Occupational Safety and Health Training Course
2007/OSHA 10-Hour Construction Industry Outreach Training Course
2001/10-Hour OSHA Construction Safety & Health Principles

Total Years Experience 50

to paint removal; review of equipment storage plan; ensuring that material was tested and sampled as per the contract specifications; and ensuring proper traffic control and safety including all submittals and notices as required. Client: New Jersey Dept. of Transportation

NJDOT Region North Bridge Painting-Rt. 280, Contract 2010-4 (Fr. C-2), NJ; 1/12-12/12. Senior Inspector. Mr. Takla performed inspection duties and assisted the resident engineer. Client: New Jersey Dept. of Transportation

NJTA Interchange 6 to 9 Widening Program, NJ; 1/10-2/10. Senior Inspector. This major contract with the New Jersey Turnpike Authority involved construction management services for the Interchange 6 to 9 Widening Program (The Program). The Program was the Turnpike's most significant construction project in the 58-year history of the Authority, and was estimated at $3-billion. The project included activities such as new bridge construction, earthwork, drainage, recharge basins, traffic control, utilities and agency coordination as well as electrical, lighting, fiber, ITS, overhead signs, sound barrier, and major paving work. Mr. Takla reviewed contract drawings for constructibility prior to bid. Client: New Jersey Turnpike Authority

NJDOT Region North, Multiple Bridge Cleaning and Painting Projects, Interstate Bridge Painting Contract, Route I-80, Contract 2, Essex County, NJ; 1/10-12/11. Resident Engineer. This $7-million bridge painting project involved the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved coatings system. The projects incorporated traffic control on a high-speed highway, MPT, staging, and environmental (lead abatement) constraints unique to repainting on major urban bridges. The construction services contract involved managing four separate painting contracts with three independent painting contractors. Extensive coordination was done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities was addressed for structures that span local streets. He acted as the owner's direct on-site representative to the contractor by providing direct supervision of the project's field inspection/engineering staff, performing quality assurance oversight of major items of work in progress, and/or ensuring that the project was constructed in accordance with the plans and specifications for the owner. Mr. Takla's responsibilities included attendance at the pre-construction meeting held prior to the start of construction which included procedures for paint removal, application of coating materials, handling hazardous materials including traffic control and safety; review and approval of the pollution control system prior to paint removal; review of equipment storage plan; ensuring that material was tested and sampled as per the contract specifications; and ensuring proper traffic control and safety including all submittals and notices as required. Client: New Jersey Dept. of Transportation

Port Morris Yard, NJ; 5/98-10/98. Construction Inspector. Mr. Takla's responsibilities included the inspection of construction work for compliance to contract requirements. Inspections were in the civil and electrical disciplines. Client: New Jersey Transit

Port Authority of New York & New Jersey; 1977-1996. As resident engineer, Mr. Takla worked on the following projects: He directed and led all construction contracts at the George Washington Bridge (1992-1996), the Holland Tunnel Toll Plaza redevelopment project (1989-1992), and the Holland Tunnel and Staten Island Bridges (1985-1989). Mr. Takla managed all aspects of construction projects, including staffing, construction schedules, contract submittals, monitoring and approval of progress payments, ordering and negotiation of field changes, monitoring field inspections, evaluating construction claims, updating monthly contract reports, monitoring affirmative action programs. He also provided schedules and construction staging during design development and contract preparation.

As assistant resident engineer, Mr. Takla directed and led the field inspection forces for all work required for the construction to remove the concrete ceiling of the north and south tubes of the Holland Tunnel; 1983-1985.

As construction inspector, Mr. Takla worked on the following projects:

- Replacement of the main toll plaza at the George Washington Bridge; 1981-1983
- The widening of the upper level westbound roadway of the George Washington Bridge; 1979-1981
- The removal and replacement of the upper level roadway of the George Washing Bridge Orthotropic Deck. His responsibilities included the inspection of all aspects of construction work for compliance to contract requirements - inspections were in the structural, mechanical, civil and electrical disciplines; 1977-1979

Anthony Tiliakos
Construction Inspector

Professional Profile
Mr. Tiliakos has over 23 years of experience on various bridge contracts involving surface preparation, coatings application, lead removal and hazardous waste disposal. He started as a contractor foreman, supervisor and project manager. Mr. Tiliakos has spent the last 11 years as a coatings inspector, chief coatings inspector and consultant on various other projects.

Project Experience
Region South Term Agreement, MBP South Contract 2012-1; 10/13-Present, $5M. Coatings Inspector. This project is for Maintenance Bridge Painting Contract 2012-1, which includes Twelve (12) Bridges, Routes I-676, US 130 & I- 295; Camden City, Pennsville, Logan & Delran Twps. and Bellmawr, Collingswood & Paulsboro Boroughs, Camden, Salem, Gloucester & Burlington Counties. These bridge painting projects involve the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved paint system. The projects incorporate traffic control on a high speed highway, MPT, nightwork, staging, and environmental (Lead Abatement) constraints unique to repainting on major urban bridges. Responsible for monitoring 100% containment operations, MPT, quality of coating materials, proper storage, mixing, application, inspect coating application for compliance with contract specification, surface preparation (SSPC-SP10), environmental compliance, also managing and training the inspection force. Client: NJDOT

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2013/NACE Certified Coatings Inspector; 2013/Rutgers TCC Refresher
2008/SSPC C-3/C-5 Supervisor/Competent Person Refresher Training for Deleading of Industrial Structures
2013/ SSPC C-5 Supervisor/Competent Person Refresher Training for Deleading of Industrial Structures

Education
AS/1984/Science

Course Work
2011/HAZWOPER
2010/OSHA 10 Hour Occupational Safety & Health
2005/HAZWOPER Awareness & First Responder
SSPC Lead Supervisor/Competent Person/Commercial Buildings & Superstructures
Fall Protection Awareness
Lead Awareness and Protection
Rigging Certification
NYCDOT Lead Supervisor Course
OSHA 29 CFR 1926.103, "Respiratory Protection"
OSHA 29 CFR 1926.103, Subpart M, "Fall Protection"
OSHA 29 CFR 1926.103, "Lead in Construction"

Total Years Experience 23

NJDOT Central Maintenance Bridge Painting 2013-3 Routes 18, 34 & 7, Monmouth and Ocean Counties; 7/13-10/13, $3.23M. Coatings Inspector. Construction Inspection Services for 12 Bridges on Routes 18, 34 and 7; Wall, Neptune, Colts Neck & Stafford Townships & Sea Girt, Belmar & Ship Bottom Boroughs; Monmouth & Ocean Counties. Responsible for monitoring 100% containment operations, MPT, quality of coating materials, proper storage, mixing, application, inspect coating application for compliance with contract specification, surface preparation (SSPC-SP10), environmental compliance, also managing and training the inspection force. Client: NJDOT

NJDOT Region North Term Agreement Maintenance Bridge Painting (MBP) 2013-3 Start Up Task Order; 6/13-7/13, $8M. Coatings Inspector. GPI provided construction inspection services on various NJDOT projects as a subconsultant to JMT on their NJDOT Region North Term Agreement. Responsible for monitoring 100% containment operations, MPT, quality of coating materials, proper storage, mixing, application, inspect coating application for compliance with contract specification, surface preparation (SSPC-SP10), environmental compliance, also managing and training the inspection force. Client: NJDOT/JMT

NJDOT Region North 2011-2012 Maintenance Bridge Painting - 2011-2 Route 80 and Route 19 Bridges ($7.5M) and Contract 2012-2 Route 80 Bridges ($6M); 1/13-6/13. Coatings Inspector. This project involved the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved coatings system. The projects incorporated traffic control on a high speed highway, MPT, nightwork, staging, and environmental (Lead Abatement) constrains unique to repainting on major urban bridges. The construction services contract involved the managing of four separate painting contracts with three independent painting contractors. Extensive coordination was done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities were addressed for structures that span local streets. Responsible for monitoring 100% containment operations, MPT, quality of coating materials, proper storage, mixing, application, inspect coating application for compliance with contract specification, surface preparation (SSPC-SP10), environmental compliance, also managing and training the inspection force. Client: NJDOT

Anthony Tiliakos
Construction Inspector

NJDOT Region North Bridge Painting - Route 280, Contract 2010-4 (Fr. C-2); 7/12-6/13, $10M. Coatings Inspector. $10M. These bridge painting projects involves the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved paint system. The projects incorporate traffic control on a high speed highway, MPT, nightwork, staging, and environmental (Lead Abatement) constraints unique to repainting on major urban bridges. The construction services contract involves the managing of four separate painting contracts with three independent painting contractors. Extensive coordination is done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities are addressed for structures that span local streets. Responsible for monitoring containment operations (Hazardous Material/ Environmental), paint removal, surface preparation (SSPC-SP10), Maintenance and Protection of Traffic, quality of coating materials, proper storage, mixing, application, inspect coatings for compliance with contract specifications, monitor implementation of approved Health and Safety Plan surface preparation, also managing and training the inspection force. Inspect as needed on any one of multiple projects, must follow-through with RE to assure schedule (day/night) and proper reporting and lane closures. Client: NJDOT

NJDOT Region South 2009 Term Agreement, Maintenance Bridge Painting Contract 2011-1; 7/11-7/12, $2.5M. Inspector. Contract included eight bridges, Route NJ 45, 55 and US 322 in Deptford, Logan and Mantua Townships, NJ. Responsible for monitoring containment operations, M&PT, quality of coating materials, proper storage, mixing, application, inspect coatings for compliance with contract specifications, monitor implementation of approved Health and Safety Plan surface preparation, also managing and training the inspection force. Inspect as needed on any one of multiple projects, must follow-through with RE to assure schedule (day/night) and proper reporting and lane closures. Client: NJDOT

NJDOT Region South 2009 Term Agreement, Contract 2010-1 Route 55 Maintenance Bridge Painting (Multiple Projects); 6/10-8/11, $3.8M. Coatings Inspector. Construction inspection services for this Federally funded contract. Contract 2010-1 involved the maintenance bridge painting of 11 bridges along Route 55 in Deptford, Mantua and Washington Townships, Gloucester County. Projects involved the removal of Hazardous Material (existing old lead based paint) and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved paint system. The projects incorporated traffic control on a high speed highway, staging, and environmental (Lead Abatement) constraints Responsible for monitoring the following: containment operations, (Hazardous Material/Environmental), monitor implementation of approved Health and Safety Plan, MPT, quality of coating materials, proper storage, mixing, application of coating materials, inspect coating for compliance with contract specification, surface preparation, paint removal, also managing and training the inspection force. Inspect as needed on any one of multiple projects, must follow-through with RE to assure schedule (day/night) and proper reporting. Inspect as needed on any one of multiple projects, must follow-through with RE to assure schedule (day/night) and proper reporting and lane closures. Client: NJDOT

NJDOT Region North Bridge Painting - Route 80 Contract 2 ($7M) & Route 280 Contract 3 ($6M); 2/10-3/10. Coatings Inspector. The bridge painting projects involved the removal of existing old lead based paint and repainting with a Northeast Protective Coating Committee (NEPCOAT) approved paint system. The projects incorporated traffic control on a high speed highway, staging, and environmental (Lead Abatement) constrains unique to repainting on major urban bridges. The construction services contract involved the managing of four separate painting contracts with three independent painting contractors. Extensive coordination was done on a daily basis with each paint contractor including coordination with other trades working on the highways. Communication and coordination with local municipalities were addressed for structures that span local streets. The contractors were Allied Painting and ANKA Painting. Client: NJDOT

NJDOT Region South Maintenance Bridge Painting Contract 2009-1; 4/09-1/10, $3M. Coatings Inspector. Bridge painting inspection project involved removal of lead based paint and repainting the structures including the concrete abutments for various bridges in Camden County, NJ. Responsible for monitoring containment operations, M&PT, quality of coating materials, proper storage, mixing, application, inspect coatings for compliance with contract specifications, monitor implementation of approved Health and Safety Plan Surface preparation, also managing and training the inspection force. Client: NJDOT

Guy Toussaint
Senior Inspector

Professional Profile
Mr. Toussaint has over 25 years of highway/roadway bridge construction inspection and office engineer experience in urban infrastructure construction projects involving structural, civil and utility work on, over and adjacent to operating rail lines, rivers and roadways. He is highly knowledgeable in bridge reconstruction/rehabilitation work, electrical inspection, roadway and sidewalk reconstruction, water main and sewer installation work. He is also knowledgeable in construction documentation filing and processing by maintaining project documents in accordance to QA requirements, MURK and project procedures. In addition, he has assisted in the close out of various projects by submitting all required documentation in accordance with the direction of authorized representatives.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
1999/NICET IV

Education
Certificate/1983/Electrical Technology

Course Work
2010 - 10-Hour OSHA Training Course
2004 - Practicing Institute of Engineering, Inc.- PS[redacted]
Work Zone Safety
1998 - 4-Hour Lead Awareness Course
NYCDOT Training Course

Total Years Experience 29

Project Experience
REI for the Rehabilitation of High Bridge, Boroughs of Manhattan and Bronx, NY; 4/14-Present. Senior Inspector. This project involves rehabilitation of the masonry arch spans, steel arch span (including deleading and painting), brick arch deck, and brick walkway; stabilization and conservation of the aqueduct pipe; providing barrier-free access and safety for pedestrian and wheeled users; rehabilitation of historic railings and walkway lighting posts; providing architectural lighting (as funding allows); and providing a visitor information system consisting of way finding signage and aqueduct interpretative signage. Mr. Toussaint's responsibilities include the supervision of daily inspection of all electrical work on the project, which consists of the installation of new NYC-DOT, NYC-DPR control cabinets, supervision of the rehabilitation of deck and attic, removal of existing light poles from bridge for salvage and shop restoration, removal of all existing conduit and electrical wires and attic light fixtures from bridge top and attic and disposed of them in accordance with specifications, supervision of the installation of conduits and lighting in the attic, supervision of the installation of new light poles and electrical conduit and wiring, the installation of electrical conduit and wiring and new navigation lighting system, inspection of architectural lighting for the soffits of the masonry arches and the arch steel span, and installation of electrical conduits and hardware for led floodlights underneath masonry arch span and induction button lighting at the arch ribs of the steel span. Client: New York City Dept. of Design & Construction

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 7/12-3/14. Senior Inspector. This project involved construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project included replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Toussaint was responsible for the daily inspection supervision of all electrical work which consisted of conduit installation, junction box, and pull box; installation of new under deck lighting system and the installation of new roadway luminaires; and the demolition of existing main switch board and the installation of new main service disconnect and new automatic transfer switch (ATS) at the Brooklyn maintenance shop. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 2004-7/12. Senior Inspector. This $280-million project involved the construction engineering and Inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg

removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Toussaint was responsible for daily inspection supervision of all electrical work, which consists of new electrical system for traveler; new 480-volt electrical service for anchorage loads; additional lighting and power source in anchorages; removal and relocation of bridge necklace lighting; traffic signal modification work on Delancy Street; the removal of existing and installation of closed circuit television; video vehicle detection; aviation navigation obstruction lights; lane control signal; variable message signs, all with optical fiber cable connections on the Williamsburg Bridge and multiplex transfer of data to ports at the Traffic Management Center (TMC); the installation of electrical conduits feed including conductor rails for the traveling maintenance platforms; water main installation work on Delancy Street; and structural steel work on main bridge truss bottom and top chord repair, main span diagonal repairs. Mr. Toussaint assisted on the as-built drawing requirements for submittal of acceptance. Client: New York City Dept. of Transportation

Reconstruction of Williamsburg Bridge Northern Roadways, Contract 7, New York, NY; 2002-2004. Senior Inspector. This $230-million project consisted of the demolition and reconstruction of four northern roadway lanes on the bridge approaches and main span. Mr. Toussaint was responsible for supervision of inspection for reconstruction of the Brooklyn approach bikeway/footwall (along active rail lines), including sidewalk excavation, and local street work in Brooklyn and Manhattan involving sidewalk and curb installation, asphalt and concrete pavement work. Mr. Toussaint also assisted on contract work close out finalizing item quantities, as-built drawing requirements for submittal of acceptance. Client: New York City Dept. of Transportation

Greaves Avenue Bridge over Staten Island Railway, NY; 1999-2001. Office Engineer/Senior Inspector. This project involved complete removal of the existing three-span superstructure and substructures including the concrete deck slab, stringers, utilities, abutments, and piers which span over two active Staten Island Railroad tracts. The new structure was constructed with new reinforced concrete abutments and wingwalls. The project also involved the installation of a new one-span superstructure using steel stringers and a jointless reinforced concrete deck slab and approach slabs; the replacement of the existing eight-inch diameter water main and telephone conduits; the removal of an abandoned sewer forcemain (asbestos type); replacement of existing approach pavements and sidewalks within the project reconstruction limits; and installation of new street lighting and modification of existing traffic signals. Mr. Toussaint's responsibilities included field inspection supervision of all work listed above. Office work included processing change orders; contractor's payments; monthly progress status; materials acceptance log with all QA requirements; monthly estimate log book and filing system. Client: New York City Dept. of Transportation

Rehabilitation of the Melrose Avenue Bridge over Conrail and the 165th Street Bridge over Metro-North Railroad, Bronx, NY; 9-95-2/97. Office Engineer/Inspector. This project involved the near total demolition, removal, and replacement of the Melrose Avenue Bridge. The new bridge is approximately 600 ft long with seven spans, passes over private land and a Conrail spur. The north approach abuts the East 165th Street Bridge, which spans Metro North Railroad. The south approach slopes down on grade to East 163rd Street. New structure consists of portions of the existing abutments and Pier #1, six new concrete piers with 40 piles each. Close to one million lbs of structural steel were erected on top of 132 elastomeric bearings. The deck concrete was placed in stages to accommodate two, two-span continuous and one, three-span continuous steel stringer spans. Mr. Toussaint's responsibilities included field inspection for the demolition and removal of the existing bridges, pile driving, the erection of structural steel, bearings, installation, the placement of traffic signals, signs, conduits and street lights. Office work included maintaining project documents in accordance with project procedures, material acceptance record, review of inspector's daily report and entering quantities in item quantity book and computer. Mr. Toussaint was also responsible for monitoring all materials for certification and specifications under each item delivered to job site for acceptance requirements, and review contractor's invoices and processed invoices for payments. Client: New York City Dept. of Transportation

Robert Trapani
Chief Inspector

Professional Profile
Mr. Trapani is an experienced construction inspector who has worked on construction projects for many years for both public transportation agencies and private consulting firms. He has been involved on large complicated bridge projects as well as on major highway rehabilitation, and airport construction projects.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
1995/NICET IV
1998/NACE Coating Inspector Level 1 - Certified

Course Work
2011 - 10-Hour OSHA Training Course, #30-003177900
1994 - AWS Certified Welding Inspector Trained
NYSDOT Maintenance & Protection of Traffic Trained

Professional Affiliation
American Welding Society (AWS)

Total Years Experience 35

Project Experience
Ocean Avenue Bridge over LIRR, Brooklyn, NY; 8/13-Present. Inspector. This project involves REI services for the component rehabilitation of the Ocean Avenue Bridge over the LIRR in the Borough of Brooklyn, NY. Mr. Trapani is responsible for providing daily inspection of all contractor work operations for compliance with contract drawings and specifications, reviewing daily and look-ahead work schedules with contractor, preparing written work operation documentation reports, calculating and tracking work item quantities in preparation for progress payments. Client: New York City Dept. of Transportation

CI Services for the Rehabilitation of Three Bridges, Contract 6052-B1-11 Release 'A', Contract No. 6052-B1-11, Hampton Bays, NY; 1/12-7/13. Inspector. This project involved inspection services for construction activities at North Road Bridge, Shinnecock Canal Bridge, and Montauk Highway Bridge, all on the Montauk Branch in Hampton Bays. Mr. Trapani worked directly with, and as a supplement to, the CM staff of the LIRR. Client: Long Island Rail Road

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 2/10-1/12. Chief Inspector. This project involved the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures were new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation. Mr. Trapani was responsible for installation of temporary roadway lighting. Client: New York City Dept. of Transportation

Replacement of Belt Parkway Bridge over Rockaway Parkway, Contract #HBK1091, Brooklyn, NY; 2/10-1/12. Chief Inspector. The project involved the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and superstructures, including abutments, wingwalls, and pier columns and footings; installation of a new single-span replacement bridge consisting of a multi-stringer superstructure with reinforced concrete deck and superstructure, including reinforced concrete abutments and wing walls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadway and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage, and planting. Mr. Trapani's responsibilities included inspection of installation of piles; inspection of rebar installation for footings, columns, pier caps, etc.; inspection of placement of mass concrete; and inspection of installation of new drainage systems. Client: New York City Dept. of Transportation

Reconstruction of Willis Avenue Bridge, New York, NY; 2/09-12/09. Senior Inspector. This project involved replacement of the existing movable bridge and approaches with a new structure, built offline from the existing structure. Mr. Trapani's responsibilities included inspection of installation of drilled and driven piles, drainage and earthwork, and structural concrete work. Client: New York City Dept. of Transportation

Queensboro Bridge Lead Paint Removal and Protective Coating, Contract BRC231P, New York, NY; 3/06-2/09. Structural Inspector. This $170-million project involved the erection of containment structures, abrasive blasting and lead paint removal for the entire East River Bridge and the application of a three-coat painting system. Mr. Trapani's responsibilities included cataloging of shop drawings for scaffold and containment erection, field inspection and documentation of erection of scaffolding and containment structures. Mr. Trapani verified that all materials, including pipes, clamps, beams, cables and decking, were in accordance with approved structural drawings. Client: New York City Dept. of Transportation

Robert Trapani
Chief Inspector

Throgs Neck Bridge, Orthotropic Deck Rehabilitation, TN-82 Phase A, New York, NY; 1/04-9/05. Chief Inspector/Assistant Resident Engineer. From 1983-1986, 6,487 ft of Queens and Bronx viaduct was retrofitted with closed rib orthotropic deck to replace the original non-composite concrete deck. The retrofit project successfully completed installation of approximately 440,000 sq ft of orthotropic deck during night shift construction. However, within three years of service, due to redistribution of stresses, several supporting elements in the main girder to floor beam connection area began showing signs of overstress. The $5-million TN-82, Phase A, project involved the testing of the constructibility, serviceability and performance of the design consultant's solution to the chronic structural problems that have plagued the retrofitted spans since 1989. Mr. Trapani was responsible for inspectors covering contract specific items of field work including shear connector installation, steel reinforcement, end sub-floor beam replacement, asphalt wearing surfaces, epoxy bonding compound application, and deck stringer shimming operations. Client: Triborough Bridge and Tunnel Authority

Long Island Expressway/Cross Island Parkway, Exits 29-32, Queens, NY; 8/00-12/03. Assistant Resident Engineer. The project involved construction inspection services for the multiple award winning $147-million rehabilitation of the Long Island Expressway/Cross Island Parkway (LIE/CIP) interchange. The major elements of the project include widening of the Long Island Expressway (LIE) between Cloverdale Boulevard and the NYC/Nassau County line. Also involved interchange improvement, modernization of semi-direct connection ramps and other associated ramp connections to the Cross Island Parkway. Maintenance and protection of traffic included staged construction on the bridges over the LIE and required a major temporary bridge for the reconstruction of the LIE/CIP Bridge. Mr. Trapani supervised an inspection staff of 18 comprised of senior inspectors, inspectors, specialists, and trainees. The scope of work included coordination and supervision of inspection of 14 new structures, including four pre-cast structures, one pre-cast post-tensioned structure, four "tub girder" structures; reconstruction and widening of a rigid frame structure, and four steel frame bridges. Provided supervision and coordination of numerous detours and traffic shifts and staged construction, shift construction, etc. Client: New York State Dept. of Transportation

Marine Parkway Bridge, #MP-01, Resident Engineering and Inspection, New York, NY; 7/98-4/03. Assistant Resident Engineer. This $90-million project involved the reconstruction of the largest vertical lift span bridge in New York. Mr. Trapani's responsibilities included supervision of a large inspection staff, including trainees, and specialist inspectors. He also coordinated staged construction for removal of the existing deck, replacement with lightweight pre-cast and open steel deck systems, truss reinforcement, and flag repairs and supervised inspection of de-leading and painting the entire structure. The project also included post-tensioning trunnions, seismic bearing retrofit, and final balancing of the lift span. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 1996-1998. Team Leader. This $310-million project involved the construction engineering and inspection for the reconstruction of the south inner and outer roadways. Mr. Trapani inspected and supervised inspection of orthotropic deck, floorbeam and flag repairs on the main span, and micropile footing systems on the approaches. He also supervised inspection and installation of grid deck, armored, and modular joints, and bridge bearings. As team leader, Mr. Trapani oversaw the installation of approximately 50,000 sq ft of steel grating, including welding of the panels, welded shear stud installation, erection of structural steel, armored joints and bridge bearing installations. He was involved with all aspects of the removal of structural steel and concrete deck removal. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 1991-1996. Senior Inspector. This $88-million construction and resident engineering inspection project involved the rehabilitation of the suspension system for the Williamsburg Bridge. Mr. Trapani's specific responsibilities included inspection of structural steel for anchorages, approaches, and back spans, and the installation of modular and armored joints, open steel floor, curbs, barriers, transitions and impact attenuators. He was also responsible for ensuring the safety of construction personnel and has attended the NYSDOT Traffic Safety Seminar and NYCTA Track Safety Course. Mr. Trapani has knowledge of contents and application of NYS Steel Construction Manual. Other duties included hazardous material management and proper training of the construction forces. Client: New York City Dept. of Transportation

Natanael Vasquez
Inspector

Professional Profile
Mr. Vasquez is an inspector with ten years of experience working on large and complex bridge and viaduct rehabilitation projects. During this time, Mr. Vasquez has performed quality assurance inspection of structural steel erection, concrete placement, asphalt and epoxy wearing surface placement, and various other bridge system rehabilitation.

Proposed Project Assignment
Civil/Structural Inspector

Registration/Certifications
2009/NICET I
2008/ACI Concrete Field Testing Technician Grade 1

Education
AAS/2007/Construction Management

Course Work
2008 - 10-Hour OSHA Training Course, #001872360
Construction Drawing
Materials and Methods of Construction I & II
Statics & Strength of Materials I & II
Construction Management I, II and III
Building Service System
Surveying
Construction Estimating
Materials Testing Laboratory
Computer Applications in Civil Engineering
Elements of Structural Design - Steel
Civil Engineering Drawing
Structural Concrete

Professional Affiliation
American Society of Civil Engineers (ASCE)

Total Years Experience 10

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 2/14-Present. Civil Structural Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Vasquez is responsible for the following: drilled shaft, also known as caissons in which are high capacity cast in place deep foundation constructed using an auger, full length reinforcing bars and concrete placement; waler system installation of the footings, which involves excavation and i-beam installation around perimeter in order to properly install mud slab; reinforcing bars installation for concrete placement of pier caps; pre-cast segmental installation using high pressure grouting; main bridge, approach roadway demo using cranes, crab muncher Caterpillar and saw cut machines; steel removal and installation of new members using high strength bolts; and temporary flexible shield installation under main bridge. Client: Port Authority of NY & NJ

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 3/12-2/14. Inspector. This project involved construction management and inspection services for this $500-million rehabilitation of this historic landmark. The scope of the project improved safety and reduced congestion along both the Brooklyn-side and Manhattan-side approaches, particularly from the FDR Drive. In addition, the entire bridge was repainted to prevent steel corrosion. Mr. Vasquez performed inspection/survey of structural members for the purpose of providing rehabilitation, repair and re-striping of the ramps and approaches to the bridge ramps; created two lanes of free-flowing traffic at the Cadman Plaza exit; created additional overhead clearance at the York Street arch over the BQE by replacing existing steel members with newer efficient steel; replaced the road surface on all approach roadways on the Manhattan side by installing high-strength concrete super slabs grouted with 2-in. dia. epoxy coated rebars; performed seismic retrofitting on the Franklin Square arch over Pearl Street; replaced rusted railings and safety barriers; created two lanes of free-flowing traffic from the southbound FDR Drive onto the Brooklyn Bridge; installed new scupper drainage along with steel reinforcement with concrete deviators; and installed new bearing pads for newly-blasted steel beams. He was also involved with the replacement and installation of new reinforcement steel for red and yellow flag repairs; installed new steel structure for Maintenance Shop, Washington, Prospect, Main Street and York; replaced approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features; reviewing contract drawings and specifications; performing inspection of procedures that deal with civil or structural aspects the project; and observing work done in the field by the contractor, and consulting with the contractor to verify that the work is being completed as designed. Client: New York City Dept. of Transportation

Natanael Vasquez
Inspector

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 2/10-3/12. Inspector. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. He was responsible for the inspection of rehabilitation and strengthening of the Brooklyn and Manhattan intermediate main towers; wind tongue and wind chord repairs; the intermediate tower bearing installation, and torquing according to specs all newly-installed connection; the re-installation of the lower level inspection platform; the lateral brace installations; truss top and bottom chord stiffeners and new perma-grout placement on the Brooklyn and Manhattan tower leg bases. Client: New York City Dept. of Transportation

Cross Bay Boulevard Bridge, Contract CB-08/09, Howard Beach, NY; 3/09-2/10. Inspector. This project involved providing construction management and inspection services for this $60-million project, which completely replaced the existing concrete deck using a staged demolition and reconstruction approach. Mr. Vasquez' responsibilities included the supervision and inspection of Stages 3 and 4 by affirming that the demolition of the closure pour and concrete removal on the bridge main deck was performed correctly; inspecting for the proper placement of the galvanized steel strips for the web strengthening on the main bridge girder web repair at span 3-4 and 6-7; assuring that the laborer's provided the correct demolition for the partial depth repairs on Ramps B, C, D, E, and the main bridge below the deck surface; assisting with class A, HP, lightweight, rapid set concrete placement for the closure pour, main barrier and diaphragms; assisting with the patching using speed Crete mortar for the partial depth repairs assuring that all the girders were completed according to specs. He also assisted with painting of the sign structure going southbound on ramp d; inspecting the trench excavation by which electrical conduits were installed for new light and camera fixtures; assured that the carpenters provided the correct form work for the closure pour and diaphragms concrete placement; made the necessary field measurements and payments for the trench excavation, closure pour, diaphragm repairs, partial depth repairs and concrete materials; surveyed the downspout and scupper system for their replacement for the next contract; assisted with the water proofing placement in preparation for the tack coat and asphalt placement; supervised and measured the final pavement markings for the completion of ramp D, after the asphalt was placed. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 5/06-2/09. Inspector. This $267-million project involved the construction engineering and inspection for the rehabilitation of the Williamsburg Bridge. Mr. Vasquez' responsibilities included inspection of removal and replacement of existing asphalt overlay system and water proofing membrane system on orthotropic bridge deck. Work consisted of removal by roto-milling, water blasting and mechanical tools, shot blasting steel substrate, application of coatings, tack coat and paving with polyester modified asphalt mix. Removal of existing work platforms and bridge shield system following site-specific safety procedures.

Other responsibilities included:

- Concrete Testing: Mr. Vasquez performed concrete test on column bearing, sidewalk and street roads. Testing involved performing air, slump, test cylinders and temperature test to satisfy the required standards for class a, c and d concrete. When trucks arrived, he reviewed and checked tickets.
- Miscellaneous Steel Inspection: Mr. Vasquez ensured that steel members were installed as per contract plans and specification for inspection platforms, diagonal/lateral bracing, column/beam connection, struts, batten plate, splice plate, and lacing bars. He also torqued tested all connections per NYSSCM and calibrated the torque wrench on a daily basis.

Client: New York City Dept. of Transportation

Charles Viveiros
Coatings Inspector

Professional Profile
Mr. Viveiros is a coatings inspector with the following experience.

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 5/13-Present. Coatings Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Viveiros' responsibilities include performing coatings inspections and verifying all job tasks are meeting NYCDOT specifications. He is also responsible for performing inspections to ensure surface preparation meets SSPC SP10 / SP11; inspecting all paint materials as they're applied and being mixed, performing daily inspections of all paint storage areas, batches, and expirations; and taking ambient conditions to ensure temperatures were sufficient to paint (ie. dew, humidity, surface, wet, dry bulb). Client: New York City Dept. of Transportation

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2011/NACE Coating Inspector Level 1 - Certified
2012/NYCT Track Safety Certified

Course Work
2013 – NJ Transit Roadway Worker/On Track Protection Trained
2012 – Rutgers Traffic Control Coordinator Refresher Course
2011 - OSHA #36-600791313 30-Hour Occupational Safety & Health Training Course
2014 - NJDODSS CEOHS, Indoor Environments Program Lead ID Permit #[redacted]
2012 - SSPC C-3 Supervisor/Competent Person Training for Deleading of Industrial Structures
Work Zone Safety Awareness
TCC-Traffic Control Coordination
NJ (Lead) Supervisor Commercial Buildings & Superstructures

Total Years Experience 6

J Line, Brooklyn, NY; 3/12-5/13. Quality Engineer. Mr. Viveiros was responsible for performing inspections to ensure surface preparation met SSPC SP2 / SP3; inspecting all paint materials as they were delivered and being mixed; requesting all paint to be used on the job site; performing daily inspections of all paint storage areas, batches, and expirations; and taking ambient conditions to ensure temperatures were sufficient to paint (dew, humidity, surface, wet, dry bulb). Client: MTA

Allied Painting, Inc. NJ; 9/09-5/13. Inspector/Health and Safety Officer/Quality Control. Mr. Viveiros enforced health and safety regulations as per OSHA requirements; ensured quality control on job sites to meet any SSPC requirements; performed inspections on all SSPC surface profiles; took measurements of wet film and dry film to ensure paint met contract specifications; performed all inspections of paints being mixed/boxed; inspected storage areas for adequate conditions; took ambient conditions to ensure temperatures were sufficient to paint; performed duties as a traffic control coordinator during lane closures and openings; he was responsible for lane closures and openings; maintained all records of job sites (i.e. conditions, requirements, safety regulations, employees responsibilities, employee time sheets); ensured job materials were made available for employees at the work area (i.e. respirators, coveralls, blast hoods, eyewear); coordinated daily safety meetings at the beginning of each workday to ensure all employees understood the duties and all safety measures they must take; checked specifications after blasting was completed; evaluated work performed by employees to make sure all paint and rust was removed; used DFT machine to measure paint thickness; set up the decontamination facility, hazard waste area, and maintained work yard. Clients: Various

Charles Viveiros
Coatings Inspector

Route 19, Paterson, NJ; 2/12–1/13. Health and Safety Officer. Mr. Viveiros was responsible for performing inspections to ensure surface preparation met SSPC SP2 / SP3; inspecting all paint materials as they were delivered and being mixed; requesting all paint to be used on the job site; performing daily inspections of all paint storage areas, batches, and expirations; and taking ambient conditions to ensure temperatures were sufficient to paint (dew, humidity, surface, wet, dry bulb).Client: New Jersey Dept. of Transportation

Raritan Bridge, NJ; 9/11–1/12. Foreman, Traffic Coordinator, Quality Control and Health and Safety Officer. Mr. Viveiros performed blast inspections on a three-coat painting system and reviewed requirements for SSPC SP 10 surface preparation; observed and inspected all painting materials being mixed; performed WFT measurements when paint was being applied and reviewed paint thickness to assure that it met contract specifications; took DFTs of all three coats after paint was fully cured; and ensured dry film met specifications. Client: New Jersey Turnpike

Delaware Water Gap, PA, 2011. Foreman, Traffic Coordinator, Quality Control and Health and Safety Officer. Mr. Viveiros performed blast inspections on a three-coat painting system to ensure they met the SSPC SP 10 surface preparation requirements; he observed and inspected all painting materials being mixed; performed WFT measurements when paint was being applied to ensure paint thickness met contract specifications and also when paint was fully cured to perform DFT's of all three coats; and he also ensured dry film met specifications and took ambient conditions to make sure temperatures were sufficient for painting (dew, humidity, surface, wet, dry bulb). Client: Delaware Joint Bridge Commission

Route 280, Newark, NJ; 3/11-12/11. Foreman, Traffic Coordinator, Quality Control and Health and Safety Officer. Mr. Viveiros performed blast inspections on a three-coat painting system requiring SSPC SP 10 surface preparation; observed and inspected all painting materials being mixed; performed WFT measurements when paint was being applied to ensure paint thickness met contract specs; and when paint was fully cured, he took DFT's of all three coats to ensure dry film meet specs. Client: New Jersey Dept. of Transportation

Atlantic City Expressway Overpasses, Hammonton, NJ; 11/10–3/11. Traffic Control Coordinator/Health and Safety Officer. Mr. Viveiros enforced all safety on the job site from equipment to employees. He also closed/opened lanes and set up MPT for work to be performed at specific locations. Client: Atlantic City Toll Bridge Commission

Atlantic Avenue Viaduct, NY; 9/09–11/10. Foreman/Quality Control. Mr. Viveiros instructed all employees where work was to be performed; inspected all work and surface preparation to make sure it met SSPC SP11 surface profile; measured steel using Testex Tape to make sure it met contract specifications; inspected all paint materials being mixed and applied including three-coat system Zinc, Epoxy, Urethane; he took DFT measurements to ensure dry film met contract specifications; took ambient conditions to ensure that temperatures were sufficient to paint (dew, humidity, surface, wet, dry bulb). Client: Long Island Rail Road

Kiewit, NY; 10/09. Quality Control Coordinator. Mr. Viveiros worked as a subcontractor and performed all duties as a quality control coordinator. Client: Various

Dover Water Tank, DE. Quality Control. Mr. Viveiros performed all Inspections on the structure. He assured that surface preparation and blast surface preparation inside the tank met SSPC SP10 requirements; he assured that outside tank met SSPC SP6 for commercial blasting; inspected all surface areas before any paint was applied; observed and inspected all paint being mixed and boxed and inspected application by using a WFT gauge after paint fully cured; inspected dry film thickness by using a positest DFT gauge; and ensured there were no holidays and runs on the structure and if so, instructed workers where touch ups needed to be applied.

Gregory Yuzuk
Chief Inspector

Professional Profile
Mr. Yuzuk has 14 years of experience working at extreme heights on numerous bridges throughout the New York Metropolitan area. He has proven technical skills, is quick to learn, has a professional demeanor, and is a team worker and an effective communicator.

Proposed Project Assignment
NACE Inspector

Registration/Certifications
2008/NACE Certified Coating Inspector Level 3

Course Work
2010 - 10-Hour OSHA Training Course

Total Years Experience 14

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 10/10-Present. Chief Inspector. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Yuzuk's responsibilities include inspection of platform and containment erection, surface preparation (SP 1, SP 2, SP 10), and application of a four-coat paint system including surface profile measurements, chloride testing and dry film measurements. Client: New York City Dept. of Transportation

Throgs Neck Bridge, New York, NY; 3/09-10/10. As a coatings inspector, Mr. Yuzuk was responsible for painting on/off ramps on the Queens abutment to the Queens anchorage; performing visual inspection of surface preparation; application of three-coat paint system; visual inspection of stripe coat; and performing chloride testing, measuring dry film thickness in accordance with PA-2.

Whitestone Bridge, Bronx, NY; 3/08-12/08. As a coatings inspector, Mr. Yuzuk was responsible for painting suspension system and towers; visual inspection of surface preparation, SP-1, SP-2; application of three-coat paint system; visual inspection of surface preparation of interior/exterior towers; performing chloride testing, measuring dry film thickness in accordance with PA-2; and visual inspection of stripe coat.

Local Union 806, Various Bridges, NY; 6/98-12/07. Bridge Painter. Mr. Yuzuk worked at extreme heights on the Tappan Zee, Manhattan, and Newburgh-Beacon Bridges and was responsible for abrasive blasting with steel grit and black beauty to achieve SP-5, SP-10; using hand and power tools to achieve SP-2, SP-3 and SP-11; managing paint pump; installing and removing platform systems; maintaining, troubleshooting, and repairing faulty or broken power tools; and implementing all safety devices to ensure safe working conditions.

LPE

Robert Zayas

SUMMARY

Mr. Zayas is a Construction Manager/Inspector with a 35 year record of success overseeing all phases of multimillion-dollar construction, infrastructure, superfund and environmental projects for government and private-sector clients. His experience includes managing crews of up to 150 overseeing Airport improvements, asbestos abatements, HAZWOPER initiatives and a variety of other construction/demolition projects. Backed by strong credentials and a proven history of on-time, on-budget and high-quality project completions.

Mr. Zayas' experience includes: Construction/Demolition Projects, Infrastructure Improvement Projects, Environmental Remediation Projects, Site Safety/OSHA Compliance, QA/QC Field Engineering, Change Order Management, Budgeting & Cost Controls, Bidding/Estimating/Proposals, Subcontractor/Crew Supervision

RELEVANT EXPERIENCE

Construction Manager/Construction Inspector, Resident Engineer's Office, LaGuardia Airport, NY,

LPE Enterprises/Port Authority of NY & NJ **1990-Present**

- Responsible for installations involving structural steel erection, plumbing, HVAC, underground utilities, fire and sprinkler protection, sanitary and sewer systems.
- Conduct civil, electrical and architectural inspection duties.
- Schedule and conduct Pre- Construction meetings, verify appropriate insurance and contractor's licenses are valid.
- Provide oversight of construction activities, coordinating life safety system tie-in /shutdowns.
- Gather and review documents, certification from Airlines, tenants, Architects, Engineer's Of Record. Requests and Final Inspections.
- Responsible for inspections involving structural steel erection, plumbing, HVAC, underground utilities, fire and sprinkler protection, sanitary and sewer systems.
- Conduct civil, electrical and architectural inspection duties.

Project Highlights at La Guardia Airport include:

- Overseeing construction of expansion of Central Terminal Building, Heating and Refrigeration Plant, Electrical Substations, a $425M project
- Managed construction of various building rehabilitations to bring into compliance with new NYC Building code, including Life Safety, Fire Protection, Sprinkler Systems, Fire Alarm upgrades, Plumbing and HVAC, a $500M project
- Currently monitoring and oversight of Tenants/Airlines construction upgrades of their facilities/buildings, a $700 M project

Construction Supervisor, Dynaire Corporation **1989 - 1990**

- Responsible for planning and supervision of heating, ventilation and air conditioning installations in commercial, industrial and residential construction.

Supervising Mechanic, Pilgrim Psychiatric Center **1977 - 1989**

- Supervised maintenance employees and outside contractors in service, operation and repair of refrigeration and air conditioning equipment.
- Scheduled work assignments, prepared cost estimates, inspection and emergency repair of equipment.

LPE

Maintenance Electrician, Pilgrim Psychiatric Center 1975 - 1977

- Performed work assignment trouble shooting of electrical devices.
- Performed installation and maintenance of power, distribution of electrical and lighting equipment.

Electrician, United States Navy, USS Ticonderoga 1970 - 1973

AFFILIATIONS/TRAINING:

- Member in the National Fire Protection Association
- OSHA 10 – hr training in Construction Safety and Health
- NYC Department of Buildings 4-hr Supported Scaffold Training-Local Law 52

RESUMES

CONSTRUCTION ADMINISTRATORS

Resumes are presented in alphabetical order

Jerry Amoah, E.I.T.
Office Engineer

Professional Profile
Mr. Amoah is an office engineer with the following experience.

Project Experience
Belt Parkway Bridges REI Services - Gerritsen Inlet Bridge, Brooklyn, NY; 10/13-Present. Office Engineer. This $104.5-million project involves total replacement of Gerritsen Inlet Bridge on the Belt Parkway in the Borough of Brooklyn. The major work includes removal and disposal of main spans including concrete deck, steel girders, floor beams and stringers, approaches, concrete superstructure, closure walls, timber piles, concrete piers, pier caps, columns, abutments, wingwalls, street lighting, transformer room, transit ducks, steel conduits, navigation lights, and trees and vegetation. Mr. Amoah is responsible for preparing change orders; reviewing inspector's reports; maintaining resident engineer's diary; generating weekly reports; preparation of minutes of meetings and the agenda; maintaining all project documents; monitoring project costs; maintaining document correspondence logs; reviewing specifications for compliance; performing field inspection under the various contract disciplines (piles, concrete, steel, rebar, soil etc.); review of specifications for compliance; monitoring material certification with project progress; and processing contractor payments. Client: New York City Dept. of Transportation

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2009/ACI Concrete Construction Special Inspector
2011/Engineer In Training/NJ
2009/NJ Society of Asphalt Technology Certificate
2011/NICET III
2011/NICET II
2011/ACI Concrete Field Testing Technician Grade 1

Education
MS/2011/Engineering Management
BS/2011/Civil Engineering

Course Work
2011 - NJIT Project Management Training Course
2010 - ACI Reinforced Concrete Design Seminar
2010 - OSHA 10-Hour Construction Course
2010 - Work Zone Safety Awareness Course
2010 - Construction Certification of Completion Course
2009 - OSHA 40-Hour Hazardous Waste Operations and Emergency Response
2008 - Hazmat for Transportation and Basic Radiation Safety for the use of Nuclear Moisture/Density Gauge Testing Equipment

Total Years Experience 8

Public Service Electric & Gas (PSEG); 2/13-9/13. Project Controls Engineer. Mr. Amoah was responsible for monitoring and managing all aspects of multiple underground and OPGW projects.

Route 52 Causeway Bridge Replacement, Contract B; 3/10-2/13. Office Engineer. Mr. Amoah's responsibilities on this $257-million project included processing, maintaining, and monitoring all contract documents, control under runs, overruns, potential claims, work orders and subletting agreements, performing QA checks for compliance, managing/arranging pre-con/progress meetings, processing monthly estimates, documenting and processing change orders and managing DBE/SBE/Trainee programs according to EEO contract requirements, and reviewing and performing quantity calculations.

Willis Avenue Bridge Replacement; 8/09-2/10. Mr. Amoah served as senior construction inspector on this $300-million project.

As a boring inspector for the Port Authority of NY & NJ, Mr. Amoah provided subsurface exploration for the World Trade Center and the Corbin Street Flyover Projects ($97M). His responsibilities included soil sampling, environmental sampling, packer testing, rock coring, undisturbed soil sampling, and field permeability test; 5/09-8/09.

As an engineering technician, Mr. Amoah was responsible for laboratory testing: soil, aggregates, concrete, proctor, masonry and fireproofing material; field construction-phase observation and testing: earthwork, utility backfill, retaining walls, sub grade for roads and buildings, HMA pavements, concrete, structural steel, soil/ground improvement, pile inspection and retention/detention ponds; and geotechnical exploration including site recon, test pits, borings and rock coring; 4/05-5/09.

Edward Arrabito
Office Engineer

Professional Profile
Mr. Arrabito possesses the following experience.

Proposed Project Assignment
Construction Administrator

Total Years Experience 9

Project Experience
2011-2014 Port Authority On-Call Construction Management Services – Stewart Airport, Newburgh, NY; 12/13-Present. Civil Structural Inspector. This project involves construction management and inspection services on an on-call basis. The Port Authority of NY & NJ supplements their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Under this on-call contract, Mr. Arrabito's responsibilities include ensuring contractors' compliance with contract documents, approved submittals, shop drawings, and catalog cuts. As part of the Resident Engineer's Office (REO), he is responsible for communicating between the REO and the contractors and subcontractors on the status of a project while providing clarification on questions on how to proceed; acting as the point person between multiple stakeholders involved in construction projects at Stewart Airport; maintaining daily narrative logs to track the progress of projects, tasks within projects, controlled inspections, contractor approvals, insurance requirements, and timesheet documentation; and providing for timely arrangements for inspections from PA NY & NJ Materials Division for off-site fabrications or on-site for concrete, asphalt and fireproofing. Client: Port Authority of NY & NJ

While working as a construction manager, Mr. Arrabito prepared and negotiated cost estimates, budgets, and work timetables; used payment applications; prepared change orders; selected appropriate construction methods and strategies; inspected finished projects, including concrete work and conduit installation; interpreted and explained contracts and technical information to workers and other professionals; reported on work progress and budget matters to clients; collaborated with architects, engineers, and other construction and building specialists; instructed and supervised construction personnel and activities onsite; responded to work delays and other problems and emergencies; selected, hired, and instructed laborers and subcontractors; and complied with legal requirements, building and safety codes, and other regulations; 1/11-12/13

While working as a project coordinator, Mr. Arrabito assisted in framing, carpentry, masonry, drywall, millwork, etc.; provided project consultations with client; prepared cost estimations and proposals; assembled appropriate team from both within company and outside (subcontractors); managed construction site, crew, and laborers; oversaw worksites and scheduling; liased with subcontractors, clients, and owner with regard to change orders, etc.; ensured all facets of project were addressed efficiently with optimal craftsmanship; created project portfolios including clear, full-color photographs; and expanded partnerships and built coalitions with city agencies, contractors, and building managers; 7/09-1/11

As a construction assistant, Mr. Arrabito assisted in all phases of commercial and residential construction and renovation projects: carrying material or tools, setting up and taking down equipment, cleaning up; measured and marked cutting lines on materials, using ruler, pencil, chalk, and marking gauge; followed established safety rules and regulations, maintained a safe and clean environment; verified trueness of structures, using plumb bob and level; shaped or cut materials to specified measurements, using hand tools, machines, or power saw; and studied specifications in blueprints, sketches or building plans to prepare project layout and determine dimensions and materials required; 9/03-11/07

Other Skills
Extensive professional experience in Word, Excel, PowerPoint, and Access; experienced in both PC and Macintosh platforms

Gina Caceres
Assistant Office Administrator

Professional Profile
Ms. Caceres is an assistant office administrator with the following experience.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2009/NICET III

Course Work
2009 - ASCE Crane Safety Training for Engineering and Supervisors
2008 - 10-Hour OSHA Training Course, #001872368
2007 - MTA - NYCT Track Safety Course

Total Years Experience 11

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/10-Present. Assistant Office Administrator. This project involves construction management and inspection services for the $509-million rehabilitation of this iconic national landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Ms. Caceres' responsibilities include assisting the resident engineers with document research; creating and maintaining office filing and sub-filing system; reviewing, logging and coordinating the distribution of all correspondence and contractor's submittals (catalog cuts, Engineering Clarification Memos, construction procedures) utilizing the current office database and Excel; organizing the inspectors daily reports and engineer's diary; recording, preparing and distributing progress meeting minutes; procurement of office supplies; forwarding of monthly office invoices for payment; basic human resource work within the field office and all secretarial work for the office engineers; coordination of employee background checks for all East River Bridge employees; and processing of consultant and subconsultant yearly salary rate adjustments. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 5/03-2/10. Administrative Assistant. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints,,waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system.

Ms. Caceres' responsibilities included the review, logging and distribution of all correspondence and contractor's submittals; procurement of office supplies; organizing and tracking of shop drawings and computerizing for quick access; maintenance and recording of all Inspectors Daily Reports and Engineer's Diaries; review of subcontractors monthly invoices before forwarding for payment; basic human resource work within the field office; and secretarial work for all office engineers. Client: New York City Dept. of Transportation

Henry Chiang
Office Engineer

Professional Profile
Mr. Chiang has experience in sign inspection, development of signal timings, and safety studies. Mr. Chiang has most recently been involved in the design of sign replacement plans, cost estimation, and inspection. He is currently working on-site as an office engineer at the New York City Dept. of Transportation and also as a public relations representative for the New York State Dept. of Transportation at the Kew Gardens Interchange project.

Project Experience
Office Engineer Positions for Various Superstorm Sandy Reconstruction Projects, New York, NY; 3/14-Present. Office Engineer. The City of New York retained GPI to supply office engineers to efficiently manage the records of the emergency contracts to repair the damage caused by Superstorm Sandy. Mr. Chiang is responsible for monitoring inspector's compliance with MURK forms. He is also responsible for tracking contractor progress and scheduling, quantity tracking and database management. Client: New York City Dept. of Transportation

Proposed Project Assignment
Construction Administrator

Education
MS/2009/Transportation Planning and Engineering
BS/2006/Business and Technology Management

Course Work
2014 - 10-Hour OSHA Hazard Recognition Training Course
2007 -Traffic Engineering I & II, ITS I & II, Planning, Transportation Management
2008 - Urban Transportation, Forecasting Urban Travel Demand, Fundamentals Concepts in Transportation, Transit Maintenance and Operations

Professional Affiliation
Institute of Transportation Engineers (Young Members Committee)

Total Years Experience 7

Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, Queens, NY; 6/13-Present. Public Relations Liaison. The project involves construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involves the complete replacement of five bridges, the reconstruction of one bridge along with the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. Mr. Chiang is responsible for communicating with the Briarwood community and NYSDOT for both projects currently under construction to resolve any concerns or issues in a timely manner. He is also responsible for the dissemination of information regarding schedule, traffic pattern changes, or upcoming night work that may impact the community. Client: New York State Dept. of Transportation

John F. Kennedy International Airport Non-CTA Standard Lane Closures, Queens, NY; 3/12-6/12. Junior Engineer. The Port Authority was interested in developing routine lane closure guidelines for locations considered outside the Central Terminal Area (CTA) at John F. Kennedy (JFK) International Airport. This effort included, but was not limited to, the Van Wyck Expressway, JFK Expressway, service roads, and all roadways within the cargo areas. Mr. Chiang was responsible for design and drafting of Maintenance and Protection of Traffic plans. Client: Port Authority of NY & NJ

George Washington Bridge Trans-Manhattan Expressway Barrier Replacement, New York, NY; 6/09-7/09. Junior Engineer. This project included a condition assessment of existing concrete traffic barrier on the Manhattan approach to the George Washington Bridge, an engineering analysis to determine barrier replacement options, and preliminary design for recommended barrier replacement methods. An electrical engineering analysis was also conducted to determine whether existing lighting levels within a tunnel section of the roadway meet current standards. Mr. Chiang was part of the field team responsible for obtaining light meter measurements during night time closures. Client: Port Authority of New York & New Jersey

Traffic Sign Upgrading and Replacement, Brookhaven, NY; 3/12-4/14. Junior Engineer. The project involved performing contract administration, construction inspection and miscellaneous support tasks related to this Federal Aid project to upgrade and replace traffic signs. Included in this effort was an electronic inventory of signs along Federal Aid Urban System roadways, development of a database with sign locations, coordination with Town GIS staff and final delivery of the database. Mr. Chiang's responsibilities included management of data collection team on FAUS roads. Client: Town of Brookhaven

Henry Chiang
Office Engineer

Town of Brookhaven Traffic Sign Inventory, Brookhaven, NY; 5/11-4/14. Junior Engineer. This project involved developing an inventory program and performing the field data collection for all town owned signs. Sign data was utilized to develop a comprehensive database of sign locations and properties for implementation of a management program to track compliance with current standards for minimum sign retroreflectivity. Mr. Chiang was responsible for database management of collected signs; quality assurance; hardware and software support; and managing four technicians and two subconsultants on a daily basis. Client: Town of Brookhaven Dept. of Traffic/Safety

Westchester County Sign Inventory, White Plains, NY; 10/07-1/14. Junior Engineer. This project involved conducting the field inventory of all County-owned traffic signs, developing a Sign Management System, and preparing design documents to replace signs as required. The project also involves assisting in the bid process, providing design support during construction, inspecting the work and providing all necessary construction administration to complete the sign replacements. Mr. Chiang's responsibilities included field review of all signs and posts installed by the contractor; inventory of all signs on project roadways; management of sign database; preparation of estimate of quantities; and preparation of field sketches. Client: Westchester County Dept. of Public Works

Sign Information Management Systems (SIMS) Primary Contract, Phase 1, Various Locations, NY; 10/11-3/12. Junior Engineer. This project involved data collection for signs along limited access highways within the city and developing an associated database for the sign data and included performing a data conversion test to determine the viability of a full scale conversion of legacy sign data. This project also included the completion of a technical system design and requirements document to be used for future procurement of a systems integrator to implement a sign management system at the DOT. Mr. Chiang's responsibilities included quality control of the vendor's collected signs based on a sampling of the overall data. Client: New York City Dept. of Transportation

Sign Information Management System (SIMS) Early Action Contract, New York, NY; 11/11-12/11. Junior Engineer. This multi-phase project included data collection for approximately 20,000 highway sign assets along 200 centerline miles of limited access highways, over 200 miles of associated ramps and interchanges, and various bridges within the City of New York and integration of inventory data into a prototype database as a proof of concept for the entire SIMS program. Mr. Chiang's responsibilities included quality control of vendor's collected signs based on a sampling of the overall data. Client: New York City Dept. of Transportation

School Safety Project, New York, NY; 10/09-11/11. Junior Engineer. The New York City Dept. of Transportation (NYCDOT) has developed a school safety program for 75 "priority" schools that are located throughout New York City. The schools included in this program were primarily elementary and intermediate schools with an enrollment of at least 250 students. These schools were located in the vicinity where pedestrian and vehicular crashes were noted to be high. School safety reports and pedestrian safety improvement plans for 29 schools were developed. Mr. Chiang was responsible for preparing school safety reports; communicating with school officials and addressing concerns; data collection and analysis; mitigation measure design; quality control; field surveys; and managing team members to support in vital tasks. Client: New York City Dept. of Transportation

Citywide Congested Corridor Program Church Avenue and White Plains Road, Various Locations, NY; 6/08-11/09. Junior Engineer. The project involved conducting capacity analysis at 14 key intersections utilizing Synchro software for the existing, no-build and the future short-term and long-term scenarios. Pedestrian analysis and air quality assessments were also a part of this project. Mr. Chiang's responsibilities included drafting the existing conditions, and the design and drafting of mitigation measures. Client: New York City Dept. of Transportation

Computer Skills
Word, Excel, PowerPoint, Project, Arc Pad, HSA, MicroStation, AutoCad, HCS+, Synchro, Vissim Aimsun

Jason Chuc
Assistant Office Engineer

Professional Profile
Mr. Chuc has diversified experience as an office administrator on construction engineering and inspection projects.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2011/NICET IV

Education
BS/1994/Accounting

Course Work
2008 - 10-Hour OSHA Training Course, #001872361
2007- MTA-NYCT Track Safety

Total Years Experience 20

Project Experience

Belt Parkway Bridges REI Services - Gerritsen Inlet Bridge, Brooklyn, NY; 3/13-Present. Assistant Office Engineer. This $104.5-million project involves total replacement of Gerritsen Inlet Bridge on the Belt Parkway in the Borough of Brooklyn. The major work includes removal and disposal of main spans including concrete deck, steel girders, floor beams and stringers, approaches, concrete superstructure, closure walls, timber piles, concrete piers, pier caps, columns, abutments, wingwalls, street lighting, transformer room, transit ducks, steel conduits, navigation lights, and trees and vegetation. Mr. Chuc is responsible for assisting the resident engineer with document research, control and recall; utilizing database and spreadsheet to maintain and track all submittals (shop drawings, catalog cuts, RFIs, etc.); organizing inspector's daily reports and checking quantities; compiling and finalizing monthly quantities for contractor's monthly payments; compiling and entering daily progress, manpower and equipment information from inspector's daily reports for engineer's diary; tracking and logging all material acceptance submittals; preparing documentation and estimates for change orders; researching overrun quantities; organizing revised contract drawings, as-built and punch list information; providing submittal information to inspectors and processing contract payments, FPLS and change order payments per NYCDOT requirements. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 8/03-3/13. Office Administrator. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project includes abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Chuc's responsibilities included preparing change orders for new work added to the contract, existing quantity overruns, time and material, time extension, and claims; processing fpls and change order payments per NYCDOT requirements, and checking and approving that contractor laborer rates conform to Union prevailing wage rates. In addition to administrative work, Mr. Chuc also maintained and supported networks, servers and workstations. He also worked one-on-one with users at their workstations to answer PC, software, and procedure-related questions and also assisted with the network and provided general desktop application and hardware support. Client: New York City Dept. of Transportation

Jason Chuc
Assistant Office Engineer

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 2/00-8/03. Administrative Assistant. This $247-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Chuc's responsibilities included processing change order payments, verifying that laborers' rates conform with Union wage rates, checking payment arithmetic in accordance with agreement, checking invoices and processing for payment of all contractors and maintenance of office computers and network system for 30 computers. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 7/98-2/00. Administrative Assistant/CADD. Mr. Chuc's responsibilities on this $171-million project included maintenance of office computers network system (10-15 computers); organizing shop drawings and computerizing for quick access; checking invoices and processing for payments of all contractors; keeping track of all laborer rates and titles for billing purposes; and preparing and creating spreadsheets to duplicate NYCDOT/NYSDOT formats or forms. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 9/96-7/98. Administrative Assistant. Mr. Chuc's responsibilities on this $310-million project included maintenance of office computers network system (10-15 computers); organizing shop drawings and computerizing for quick access; checking invoices and processing for payments of all contractors; keeping track of all laborer rates and titles for billing purposes; and preparing and creating spreadsheets to duplicate NYCDOT/NYSDOT formats or forms. Client: New York City Dept. of Transportation

Greenman-Pedersen, Inc., Babylon, NY; 6/95-8/96. As an administrative assistant, Mr. Chuc's diversified duties included creating spreadsheets for billing, tracking payments and critical typing; reviewing contractor's invoices for error and processing for payment; maintaining and organizing filing system; computerized invoicing of all projects in the amount of $10-million including Long Island Expressway HOV lane project, Bronx Whitestone Bridge rehabilitation project, Verrazano Narrows Bridge, Williamsburg Bridge Suspension Cable rehabilitation and many smaller budgeted projects; and bookkeeping including heavy record tracking and adjustment to invoices.

Mr. Chuc worked for another consultant as an accounting clerk. His responsibilities included recording cash and checking receipts; processing and recording purchase orders; verifying and counting arriving merchandise for quantity and cost; preparing monthly statement of inventories to determine order amount; and performing various computations such as calculation time sheets and inventory costs; 12/91-6/95

Computer Skills
Knowledgeable in Windows NT Networking and Network Hardware
Knowledgeable in all Windows Operating Systems and most current Microsoft Professional Office
WordPro, Approach, Word Perfect, Adobe Photoshop CS3 or any Windows applications

Elaine Dean, E.I.T.
Senior Office Engineer

Professional Profile
Ms. Dean has several years of experience in the engineering field working as an office engineer.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2003/Engineer In Training/NY

Education
BS/1998/Civil Engineering

Course Work
2005 - 40-Hour OSHA Training Course

Total Years Experience 16

Project Experience
Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 10/12-Present. Senior Office Engineer. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Ms. Dean is responsible for managing all office engineering responsibilities and overseeing the work of office staff; preparation and assisting in negotiations of the contract change orders remaining on this project; working closely with the project manager and resident engineer on many project issues; providing conformance with TBTA requirements for maintaining job files which included all incoming and outgoing correspondence; utilizing Microsoft Access and Excel to maintain and track all submittals (shop drawings, catalog cuts, requests for information, etc.); organizing inspector's daily reports and checking quantities; compiling and finalizing monthly quantities for contractor's monthly payments; preparing monthly progress reports; compiling and entering daily progress, manpower and equipment information from inspector's daily reports for engineer's diary; tracking and logging all material acceptance submittals; recording, preparing and distributing progress meeting minutes; researching overrun quantities; organizing revised contract drawings, as-built and punch list information; and providing submittal information to inspectors; and preparation and distribution of progress and technical meeting minutes. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 1/10-10/12. Office Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Ms. Dean's responsibilities included managing all office engineering responsibilities and overseeing the work of office staff; preparation and assisting in negotiations of the contract change orders remaining on this project; working closely with the resident engineer on many project issues; preparation of correspondence which required action, maintaining all information databases in use on this project to track all project submittals; and preparation and distribution of progress and technical meeting minutes. Client: New York City Dept. of Transportation

Verrazano-Narrows Bridge Rehabilitation of the Lower Level Approaches, VN-17A, New York, NY; 1/07-12/09. Office Engineer. This $63-million project involved the administration and quality assurance inspection of all work associated with the rehabilitation of the lower level approaches of the Verrazano-Narrows Bridge. Ms. Dean's responsibilities included assisting the resident engineer with document research, control and recall; providing conformance with TBTA requirements for maintaining job files which included all incoming and outgoing correspondence; utilizing Microsoft Access and Excel to maintain and track all submittals (shop drawings, catalog cuts, requests for information, etc.); organizing inspector's daily reports and checking quantities; compiling and

finalizing monthly quantities for contractor's monthly payments; preparing monthly progress reports; compiling and entering daily progress, manpower and equipment information from inspector's daily reports for engineer's diary; tracking and logging all material acceptance submittals; recording, preparing and distributing progress meeting minutes; researching overrun quantities; organizing revised contract drawings, as-built and punch list information; and providing submittal information to inspectors. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY; 2/04-1/07. Assistant Office Engineer. This $150-million project involved the reconstruction of the suspended spans deck with an orthotropic steel deck. The project also involved the installation of new maintenance travelers, electrical and communications systems, fire protection system and inspection platforms. As an office engineer, Ms. Dean's responsibilities included assisting the resident engineer with document research, control and recall; providing conformance with TBTA requirements for maintaining job files which included all incoming and outgoing correspondence; utilizing Expedition to maintain and track all submittals (shop drawings, catalog cuts, requests for information, etc.); preparing weekly and monthly progress reports; compiling and entering information from inspector's daily report for engineer's diary; recording, preparing and distributing progress meeting minutes; assisting in researching overrun quantities; organizing revised contract drawings, as-built and punch list information; and providing submittal information to inspectors. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure, Phase I - TB-63, New York, NY; 7/98-2/04. Assistant Office Engineer. This $140-million project for the TBTA involved demolition of existing substructure and superstructure of the junction structure, Bronx kills truss spans and Bronx approach; placement of new footings, columns and pier caps for the mainline, four mainline ramps and Bronx approach; placement of inverset deck and cast-in-place concrete deck for the junction structure; placement of precast deck units for the Bronx approach; and deck replacement on the Bronx kills truss span included demolition of reinforced concrete deck and steel battledeck and installation of new precast deck units and steel orthotropic deck panels. Ms. Dean's responsibilities included maintaining office files including incoming/outgoing correspondence; organizing, developing and maintaining database for correspondence, shop drawings, catalog cuts, samples and requests for information, organizing and logging job progress photos, reviewing inspector's reports and compiling quantities for contractor's monthly payment, performing take-offs of material and researching overruns of items, preparing weekly progress report, providing data to main office for preparation of monthly progress report, distributing shop drawings and construction procedures to inspectors, recording and preparing progress meeting minutes and distributing to all attendees, assisting resident engineer with document research, control and recall, preparing responses to routine correspondence, organizing and keeping track of as-built information and changes to contract drawings, organizing and tracking punch list work. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 6/97-7/98. Assistant Office Engineer. This project involved the complete replacement of the south roadways for the Brooklyn and Manhattan approach viaducts in the existing bridge footprint, bracing of remaining portions of the approaches, installation of VMS system and interim New York City Transit signals. Ms. Dean's responsibilities included handling various construction documents, transmitting, tracking, logging, and filing of shop drawing submittals for approval, organizing and logging job progress photos. She also handled the recording of concrete material certification and delivery tickets and coordinated processing of contractor's payment quantities, reviewing and compiling pile, bearing, bolt and rebar certification reports, updating cylinder break results spreadsheet. Client: New York City Dept. of Transportation

Computer Skills
IBM and PC Compatibles
Software includes:
Microsoft Office, Word, Excel, WordPerfect, Microsoft Access, AutoCAD, Expedition

Victor DiFinizio
Assistant Office Administrator

Professional Profile
Mr. DiFinizio has many years of experience on various projects gaining valuable skills throughout.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2012/NICET I

Course Work
2008 - 10-Hour OSHA Training Course, #001872365
ACI Concrete Field Testing Technician Grade Level I Trained

Total Years Experience 14

Project Experience
Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 10/10-Present. Assistant Office Administrator. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. DiFinizio is responsible for preparation of MURK forms and processing of contractor payments. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 9/03-10/12. Assistant Office Administrator. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. DiFinizio's responsibilities included making sure all contractor's drawings were delivered to consultant and NYCDOT on time; retrieving all drawings from consultant and returning them to our office; mail delivery to and from field office to and from contractors, consultants and NYCDOT; making sure all city payments were immediately delivered to city offices; data entry for NYCT daily flagging reports and concrete cylinder reports; review of MURK and T & M forms for accuracy and making copies and distributing to contractors; and filing all contract drawings in proper numerical order and sequence. He was also responsible for updating FPLS for IDR books; filing of Material Status Reports, office maintenance, close-out of Contract #7, Williamsburg e-mail printing for correspondence log; updating inspector's and office contract drawings sets; updating file cabinets, plan room updating as needed; scanning of correspondence and files; inputting TEA hours for parking enforcement district administration; updating Force Account Detail Sheets daily, checking for accuracy of hours, equipment and material; incorporating ECM details into as-built documents; tracking installation and removal of construction signs; and reviewing contract item history for accuracy. He has also worked as an inspector covering painters and ironworkers; writing daily IDR's and force account details. Client: New York City Dept. of Transportation

Victor DiFinizio
Assistant Office Administrator

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 9/00-9/03. Junior Technician. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. DiFinizio's responsibilities included making sure all contractor's drawings were delivered to consultant and NYCDOT on time; retrieving all drawings from consultant and returning them to our office; mail delivery to and from field office to and from contractors, consultants and NYCDOT; making sure all city payments are immediately delivered to city offices; data entry for NYCT daily flagging reports and concrete cylinder reports; review of MURK forms for accuracy and making copies and distributing to contractors; and filling all contract drawings in proper numerical order and sequence. Client: New York City Dept. of Transportation

Mr. DiFinizio worked with another firm performing tornado demolition/rubbish removal of building interiors; 5/00-9/00.

Mr. DiFinizio worked with another firm as a salesman for a variety of Asian materials; 8/99-4/00.

Mr. DiFinizio worked with another firm on the installation of air conditioning ductwork; 6/98-5/99.

Mr. DiFinizio worked with another firm as a part owner/manager for payroll. His responsibilities included ordering all merchandise, accounts payable/receivable, customer service, and in charge of all commercial accounts; 10/94-5/98.

Laith Faouri
Inspector

Professional Profile
Mr. Faouri has worked as a civil engineering inspector and assistant office engineer for more than five years. He has provided inspection and office services to the New York City Dept. of Transportation for two large-scale bridge projects.

Proposed Project Assignment
Construction Administrator

Course Work
2014 - 10-Hour OSHA Hazard Recognition Training Course, #UCSD-8651500
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness

Total Years Experience 5

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 9/13-Present. Assistant Office Engineer/Inspector. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Field duties include the inspection of pile driving, drill shafts, drainage structure installation, contaminated material load out and removal, under deck shielding installation, maintenance of project-wide stock piles, MPT, facia and redundancy girder demolition, temporary shoring tower installation, tower abutment crack repairs, noise control, and tree removal and preservation. He is also responsible for checking for approved diesel powered equipment and parts, and setting up and maintaining field offices. Office duties include maintaining a log of approved diesel powered equipment for the entire project, Port Authority vehicles and rentals, mileage forms, the weight of material load out forms, contractor daily schedule, and also calculating the approximate cost for T&M tickets. Client: Port Authority of NY & NJ

Willis Avenue Bridge Replacement REI, New York, NY; 1/10-8/13. Assistant Office Engineer/Inspector. This $612-million project involved the replacement of the Willis Avenue Bridge linking Manhattan and the Bronx over the Harlem River. The project involved replacing a 110-year-old bridge with an 11-span swing bridge and constructing new ramps and interchanges. Mr. Faouri inspected and supervised placement of concrete for structural elements such as abutment seats, decks, permanent traffic barriers, parapets, footings, pier caps, drilled shafts and concrete roadway base; checked adherence to contract drawings and compliance with shop drawings; checked the contractor's layout and concrete form work for correctness prior to placement including dimensions, line, and grade; supervised rebar installation, size, bend shapes, cover and quantities; checked concrete truck deliveries and carried out concrete tests such as slump, air, temperature, and cast cylinders; supervised placement and method, vibration, concrete finish, setting of sprinkler hoses, plastic and blankets covers; monitored curing temperatures and external heating for winter concrete; measured volume prior to placement and checked against truck quantities; prepared daily reports and report quantities; reviewed concrete and asphalt mix design for compliance with NYSDOT Standard and Specifications to ensure that design criteria was met; and measured quantities of materials and evaluation of quality to determine acceptability according to contract plans, standards, and specifications. Other inspection criteria included bridge piers, spans, decks, roadways, backfilling, fencing, guardrails, sampling and field testing of concrete, OSHA safety requirements, traffic controls, topsoil removal, demolition and cleaning, steel and concrete structures, paving, concrete barriers, drainage structure, installation of deck rebar, placement of various types of deck concrete including light weight concrete, MPT, installation of conduits and pavement markings, supervised the installation of deck joints, drainage, railings and screens, signs, barriers, cleaned all stone masonry and concrete surfaces with high-pressure water blasting. He was also responsible for maintaining a punch list for the maintenance and protection of traffic plans, which were critical to the bridge's location for the arterial highways of the FDR Drive and the Harlem River Drive, north-south bound parkways in Manhattan and the Major Deegan Expressway in the Bronx. Client: New York City Dept. of Transportation

Laith Faouri
Inspector

Willis Avenue Bridge Replacement, New York, NY; 2/08-11/08. Field Office Coordinator. Mr. Faouri worked with the office engineer providing office engineering services for the $612-million replacement of the Willis Avenue Bridge linking Manhattan and the Bronx over the Harlem River. He assisted in maintaining records of all correspondence, RFI's, shop drawings, concrete cylinders, rebar, estimate book, and material acceptance record in accordance with the requirements of NYSDOT "Manual for Uniform Record Keeping" (MURK); assisted in processing of progress payments; assisted in monitoring of D/M/WBE utilization to ensure that all minority contract goals were met; reviewed inspector's reports and quantities that were submitted by the inspectors and checked the reports for compliance with the NYSDOT Specifications, MURK, plans and contract agreement as needed; coordinated with various agencies such as police, fire department, bus company, and the community for daily closures on the traveled roads. In addition, he was responsible for coordination with various inspection agencies for on- and off-site inspection such as concrete, compaction, asphalt, and sampling of materials; maintaining the database for all safety and emergency flagged repairs; ensured that the paperwork for all flagged repairs was completed as per the specifications and filed properly with the City and the State; and he coordinated meetings and created electronic records of correspondence. Client: New York City Dept. of Transportation

145th Street Bridge Reconstruction, New York, NY; 10/06-2/08. Field Office Coordinator. Mr. Faouri worked with the office engineer providing office engineering services for the $70-million reconstruction of the 145th Street Bridge connecting Manhattan and the Bronx over the Harlem River. He assisted in maintaining records of all correspondence, RFI's, shop drawings, concrete cylinders, rebar, estimate book, and material acceptance record in accordance with the requirements of NYSDOT "Manual for Uniform Record Keeping" (MURK); assisted in processing of progress payments; monitored D/M/WBE utilization by ensuring that all minority contract goals were met; reviewed inspector's reports and quantities that were submitted by the inspectors and checked the reports for compliance with the NYSDOT Specifications, MURK, plans and contract agreement as needed; and coordinated with various agencies such as police, fire department, bus company and the community for daily closures on the traveled roads. In addition, he coordinated with various inspection agencies for on- and off-site inspection such as concrete, compaction, asphalt, and sampling of materials; maintained the database for all safety and emergency flagged repairs; ensured that the paperwork for all flagged repairs was completed as per the specifications and filed properly with the City and the State; and coordinated meetings and created electronic records of correspondence. Client: New York City Dept. of Transportation

Computer Skills
AutoCad, Civil 3D, Rivits, Risa, StruCalc, WaterCAD, Windows XP/Vista, Microsoft Office Suite

Anthony Fusaro
Office Engineer

Professional Profile
Mr. Fusaro is an office engineer who has successfully set up and enforced controls, reduced risk, and improved productivity. He is continually involved in the daily operations of the field and office activity. Tasks include implementing new procedures, troubleshooting and resolving client disputes, and making decisions to maintain a safe working environment for all staff.

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 11/13-Present. Office Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Fusaro is responsible for for tracking submittals and RFIs on a monthly basis; monitoring, adjusting, and approving additional work; conducting meetings with PA officials on all approvals; signing off and approval of JV monthly payment applications; investigating and reference checking of subcontractors; bi-weekly progress meetings, minutes, and progress agendas; maintaining JV matrix for new and closed entries; and maintaining FOIA matrix for follow-up of claims on contract. Client: Port Authority of NY & NJ

Staten Island Ferry Rehabilitation of Ramp Structures Design-Build, NY; 7/09-11/13. Senior Office Engineer. For this FTA Stimulus Funded $175-million project, he was responsible for submittals, RFI logs, MURK filing systems, tracking contract costs, and contractor and subcontractor payments. He also reviewed submissions on monthly and quarterly FTA and DOT reporting; prepared for bi-weekly progress meetings including minutes and progress agendas; prepared field inspections and narratives; reviewed contractor's change orders, prepared engineer's estimates; ordered supplies for inspectors; coordinated daily schedules; reviewed and processed contractor's billable quantities for accurateness; tracked subcontractor profiles and Vendex for DOT (ACCO) offices; kept records and tracked all contract files including electronic version; conducted bi-weekly safety and security meetings; and he maintained non-conformance contractor matrix. He was also responsible for the placement of concrete and filled orders and followed-up on compliance to specification. Client: New York City Dept. of Transportation

As senior office engineer, 8/05-5/09, he was responsible for contractor accounts in **Howland Hook/ Brooklyn Piers, PA Teleport** and selective contracts at Airport locations. He processed contractor requisitions and verified that labor equipment materials met with the PA and the union guidelines; responsible for RFI logs, submittal logs, and other communication; tracked contract costs; conducted pre-construction meetings; followed up on new bid awards; reference checked subcontractor approval requests; tracked the work in place vs. billing; wrote, posted and followed up on all post award contract changes, change orders, and MOA'S; monitored daily activities; made field visits on project closeouts; reviewed field inspector's narratives based on lump sum and T&M tickets; and provided backup field coverage support to inspectors. Client: Port Authority of NY and NJ

Kings County Medical Center Renovations, Buildings A, B & C, NY; 5/08-8/08. Senior Office Engineer. This $25-million contract involved masonry and roofing restoration. His duties included maintaining RFI logs; submittal logs; recording daily reports on GC, contractors, and subcontractors; maintaining MSDS data; processing GC change orders and payment applications; conducting weekly tool box talks; backing up field and office support for project manager and supers; processing and determining supply and material orders; job cost tracking, subcontractor Vendex recordkeeping and insurance tracking; building permit, asbestos abatement logs; and look-ahead meetings.

Proposed Project Assignment
Construction Administrator

Education
BA/Business Administration

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2012 - FEMA IS-00912 Retail Security Awareness Understanding the Hidden Hazards
2012 - FEMA IS-00020.12 Diversity Awareness
2012 - FEMA IS-00033.12 Initial Ethics Orientation 2012
2003 - PANYNJ Security Identification Display Area Training
2008 - Customer Care Training Program
2006 - Hazard Communication Introduction Training
2006 - Office Ergonomics Safety Training
2006 - OSHA 30-Hour Construction Safety & Health Training
2007 - National Safety Council First Aid, CPR & AED Course

Total Years Experience 15

Anthony Fusaro
Office Engineer

As senior project administrator/office engineer, 9/06-3/08, he was responsible for project administration at three locations which included NY Law School ($38M); Pavarini McGovern (CM) Tribecca Hotel ($8M); and 123 Washington Street For Tishman (CM) Underpinning ($10M). His duties included purchasing materials for construction pricing job activities for crew and follow-up of all subcontractors; processed invoices, vendor billing, spec packages; reviewed subcontractor's AIA documents and processed payments; costed project to meet bid estimations; payroll tracking and hiring union trades as needed; pricing and ordering of equipment used as needed on three sites; assisted the project manager in total coordination of project; tracked job cost as related to labor, equipment and materials; acted as backup and assisted supers and project managers in the field and in the office; and coordinated with the safety director regarding field inspections making sure they complied with OSHA regulations. He received on-site CPR, First Aid and AED training and conducted weekly safety tool box talks with the field staff.

As senior project administrator, 1/06-9/06, he was responsible for bi-weekly payment applications and follow-up with the PA on this $50-million contract (MF.100.506). He was responsible for review of the contractor's AIA and certified payrolls; preparation reviews for PA officials on percentages of completion; processing invoices, vendor bills, spec packages; prepared correspondence and acted as back-up to field personal; processed payments to contractors by reviewing and preparing purchase requisitions to home office; maintained accounts payable/accounts receivable logs; reviewed super's daily activities and work order tickets for accuracy; tracked and priced job-required materials, screened and recruited contractors for bids on work orders for specific trades; reviewed proposed contractors credentials based on work in place; and followed up on and collected receivables. Under the direction of the project manager, he was responsible for field coordination with contractor responding to field issues; assisting in the analysis and recommendation of field issues with the Project manager; and coordination with the surveying, testing and inspection staff.

As senior project administrator, 7/03-1/06, he was responsible for monthly payment applications and follow up with the PA on the $10-million contract (#154.332) and other contracts. He was responsible for daily correspondence with vendors, subcontractors, supers, foreman and PA; preparation of payment control sheets, credit sheets and invoices; the accounting to the home office, audits from the PA, monthly reports on cash receipts, contract totals, and chargeback to subcontractors; accountable as the Notary for company paperwork, submittal and spec packages, telephones, back-up field work for the super, and administrative support for field personnel; and all administrative necessities, home-office support, accounts payable and receivable, daily work order bookings, verifications and processing, invoices and incoming correspondence. Other responsibilities included verification of supplier and sub invoices, Newark supplier account establishment, bid openings, and administrative support; buying, tracking and pricing of materials and for I.D. badges; multiple projects to ensure efficient production of company resources; and consistent project development to meet deadlines.

As senior office engineer, 2/01-7/03, he was responsible for preparing and processing applications for payment on Port Authority contracts in excess of $30 million. He also prepared proposals for conversion from net cost to lump sum; prepared daily invoices and work tickets; attended pre-qualification meetings on new projects; purchased materials, rented and purchased equipment for daily work on existing work orders; hired subcontractors in specialized fields to perform daily work related projects; prepared progress payments for all subcontractors; prepared bid packages; provided administrative support for field personnel, supers, and foreman; reported cash receipts, contract totals and labor utilization on a monthly basis; he was responsible for daily correspondence with Port Authority officials and administrative staff; closed out contracts; and he performed and possessed ID clearance for all locations which included Newark Airport, and the Lincoln and Holland Tunnels.

As an office manager, 9/98-2/01, he was responsible for accounts receivable of city, state, and federal contracts; evaluation of bid requests; overseeing the purchase of bid bonds; supervising an office staff of ten; field progress and evaluation of current projects; daily reporting to VP; follow-up regarding insurance claims and filing; ordering and pricing materials for projects; and hiring of subcontractors to fulfill MBE and WBE state requirements. Projects Mr. Fusaro was involved on included NYSDOT, NYCDDC, NYC Dept. of Parks, and NYCDEP.

Software: Software Solutions Unix Based; Wintrac (PA Software); SAP (PA Software); Microsoft Office; Excel; Microsoft Word; Primavera; WordPerfect Corel; Internet Explorer, Netscape Navigator, America Online e-Builder

Thomas Henderson, P.E.
Assistant Office Engineer

Professional Profile
Mr. Henderson is experienced in the design, inspection and supervision of the construction of various components of bridges. He also has inspected various buildings for structural deficiencies, and has surveyed building foundation elevations. Mr. Henderson has also enforced quality assurance standards for both contractors and consultants, and has been involved in job progress meetings between contractors and New York City.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2013/Professional Engineer/NY

Education
BS/1992/Civil Engineering

Course Work
2012 - 10-Hour OSHA Safety Training Course
NYT Track Safety Course

Total Years Experience 22

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/12-Present. Assistant Office Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Henderson's responsibilities include inspection of demolition of ramps on Manhattan Approaches; inspection of jacking inside the Manhattan Arch Blocks; inspection of containment of debris from the construction activities of the contractor; ensuring OSHA standards for debris protection of motorists and pedestrians; ensuring the means and methods procedures for construction activities such as crane setup and use are followed, arrive at item quantities for the contractor's monthly payments; processing submittals, Engineer Change Memos, means and methods, shop drawings, and contract drawings; substantiating item quantities by verifying inspector quantities by checking inspector reports and contract drawings; preparation of weekly tech issues meeting; and processing change orders. Client: New York City Dept. of Transportation

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, New York, NY; 1/02-10/02. Office Engineer. This project involved CEI for structural rehabilitation of the west side of the bridge and suspension system, plaza areas on the approaches and anchorages and rehabilitation of anchorages. Work also involved the 100% removal of existing paint and recoating of the west side of the bridge, both towers, and two of four cables. Mr. Henderson was responsible for processing of multi-million-dollar monthly payments; negotiating and preparing change orders for additional work; identifying material acceptance criteria and collecting all required documentation for over 700 contract items; and maintaining an integrated computerized database system for a myriad of project documents. In addition, he acted as a liaison between contractor, engineer-in-charge and resident engineer. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, New York, NY; 01/01-1/02. Assistant Office Engineer. This project involved REI services to replace the entire approach structure and the framing/deck areas on the main bridge. This involved the reconstruction of the north inner and outer roadways. As a member of the fabrication support group (F.S.G.), Mr. Henderson received all shop drawings, fabrication procedures and proposed repairs for structural steel; he tracked and computerized all documents pertaining to structural steel and worked directly with the New York City Dept. of Transportation Quality Assurance/Quality Control (QA/QC), F.M.S. group; he tracked all accidents via a database; prepared a monthly look ahead for upcoming construction activities based on the contractor's schedule; and performed field work which included inspection of steel demolition. Client: New York City Dept. of Transportation

Thomas Henderson, P.E.
Assistant Office Engineer

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, New York, NY; 11/99-7/01. Assistant Office Engineer. This project involved CEI for the replacement of the entire mid-section of the bridge that supports New York City Transit tracks (BMT line). As a member of F.S.G., Mr. Henderson received all shop drawings and stamped them and logged them into a computer database. He prepared monthly reports showing the status of all fabricated material; and logged in and forwarded all track welding procedure specifications (WPS), welding procedure qualification records (WPQR), track repair procedures and correspondence concerning F.S.G. Worked directly with New York City Dept. of Transportation F.S.G. This project required an unprecedented effort between the New York City Dept of Transportation (NYCDOT) and New York City Transit (NYCT) coupled with a major transit shutdown of five months, coordination and timely response are the absolute essence of the project. Mr. Henderson also aided in the review and logging of all correspondence and contractor's submittals; and coordination and resolution of certain project technical issues in concert with the resident engineer. As this project was funded and administered by the NYCDOT, Mr. Henderson was able to draw significantly from his considerable experiences working for NYCDOT in preparing and administering contracts. He also assisted the resident engineer in the management of several administrative duties; and coordinated and prepared an extensive and complete set of contract as-built plans and specifications in cooperation with the design consultant. Mr. Henderson ensured that the as-built drawings, numbering approximately 550, were maintained and that all changes were incorporated through any addenda, and reviewed the accuracy of the Contractor's schedule to ensure that the project stayed on target by meeting all goals and objectives. Client: New York City Dept. of Transportation

New York City Dept. of Transportation, Bridge Design, Bridge Component Rehabilitation Division, New York, NY; 1994-1998. As project engineer, Mr. Henderson was responsible for the design, inspection and supervision of the construction of various components of NYC bridges including the Williamsburg Bridge, Henry Hudson Parkway at 96th Street Bridge and the 103rd Street at F.D.R. He was also involved with the retrofitting of the 49th Street Bridge for seismic loading. Other responsibilities included providing construction monitoring and engineering support in response to unanticipated field conditions, and enforcing quality assurance standards on contractor and consultant with respect to MURK requirements and NYSDOT specifications.

Mr. Henderson worked with another engineering firm as an office engineer/inspector/design engineer. His responsibilities included inspecting bridge demolition and reconstruction of Grand Concourse over 204th Street and Grand Concourse over Bedford Park Boulevard; measuring and recording unit quantities on a monthly basis and estimated the contractor's work completed; participating in job progress meetings between the contractor and NYC and prepared minutes for these meetings; and he worked on the preliminary design of the Staten Island Ferry Terminal; 1992-1994.

New York City Fire Department, New York, NY; 1990. Mr. Henderson acted as an engineering intern for the buildings and maintenance division. In this position, he inspected NYC Fire Houses for structural deficiencies and prepared reports for the Fire Department based on structural priority.

Mr. Henderson worked with another firm as a construction engineer assisting in the supervision of building construction. He also ordered materials and hired the subcontractors and surveyed the building foundation elevations.

Anita Johnson-Davis
Assistant Office Engineer

Professional Profile
Ms. Johnson-Davis is an assistant office engineer with the following experience.

Proposed Project Assignment
Construction Administrator

Education
Certificate/2010/Construction Management
BA/2000/English

Course Work
e-Builder Document Management System software training
Asite Document Management System software training
Spescom Electronic Document Management System software training
Livelink Electronic Document Management System software training

Professional Affiliations
Member of Secure Worker Access Consortium (SWAC)
The City College of New York Alumni Association

Total Years Experience 12

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 5/13-Present. Assistant Office Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Ms. Johnson-Davis is responsible for processing and managing contract submittals and requests for information using e-Builder Document Management System; tracking overdue documents and working closely with the project team to expedite the review process; tracking responses to submittals and RFI's and alerting team members to issues; organizing and filing contract documents; providing overall support to the project team on a daily basis; and attending progress meetings and providing updates on submittals and RFI's. As e-Builder Administrator; Ms. Johnson-Davis creates accounts for new users; creates standard and custom reports and templates; assists new users with e-Builder as needed; and works closely with e-Builder support to resolve system problems and suggest system enhancements. Client: Port Authority of NY & NJ

Xerox Corporation, Inc., Jersey City, NJ; 2/13-5/13. Project Information Coordinator/Document Control. Ms. Johnson-Davis has been responsible for project information coordination/document control. Her responsibilities have included:

- Management of real-estate documentation for a leading fortune 100 investment firm using Asite Document Management System
- Training design and construction teams in document standards and requirements; acted as primary point of contact for the project team
- Ensuring project deliverables were timely and met established protocols; escalated missed deliverables and non-compliances
- Acted as liaison with Asite technical staff and coordinated feedback and support from users
- Attended progress meetings to identify areas for performance and process improvement
- Created new workspaces and managed user roles and memberships; set user access rights in Asite
- Supported drawing management in coordinating, receipt, review and approval of maintained drawings during the project cycle

MCSS, Inc., The Port Authority of New York & New Jersey, Newark, NJ; 2007-2013. Contract Management Specialist. Projects Ms. Johnson-Davis was involved on include LaGuardia Airport Aircraft Rescue and Firefighting Facility; Lincoln Tunnel Bus Ramps Deck Replacement; and Port Newark Expressrail project. Her responsibilities included:

Anita Johnson-Davis
Assistant Office Engineer

- Providing support and overall management of Port Authority construction submittals
- Interacting with project managers, design engineers, task leaders, resident engineers, and contractors
- from project inception to completion to maintain smooth document workflow
- Processing submittals and Post Award Contract Change drawings using Oracle Primavera Contract Management (Expedition) construction database and Livelink Electronic Document Management System on time and using established procedures
- Attending pre-construction meetings to present submittal requirements and instructions; attending progress meetings as needed
- Follow-up with design engineers to expedite the review process and closeout overdue items; worked closely with the project team to resolve problems; link issues in Contract Manager
- Monitored and tracked documentation for all contracts from project award date until project closeout
- Coordinated with Project Control Specialists to get the latest updates of the Present and Planned Workload schedule in order to plan for future awards.
- Maintained project files in a well organized and easily retrievable format; archival of project documents
- Participated in staff meetings and offered input and assistance to create new practices and measures that improved tracking, recording and archival process of construction contracts

MTA/LIRR East Side Access Project, New York, NY; 2002-2007. As a document control administrator, Ms. Johnson-Davis was responsible for:

- Providing support to the engineering/construction team and troubleshooting day-to-day activities within the document control group
- Training *project personnel to use the electronic document/database management system (EDMS)*
- Administering EDMS; creating new user accounts and assigning passwords
- Communicating with all staff levels in a professional and effective manner
- Data entry, processing, and scanning of all project document types using a high-volume scanner and importing digital media with Adobe Capture program
- Performing quality check for data entered into the system
- Tracking responses to open action correspondence; creating daily and monthly reports in Microsoft Excel and Access
- Supervising and working closely with staff to achieve department and company goals
- Assisting department manager with administrative tasks and special projects

Skills
Working knowledge Microsoft Office Applications; Internet; e-Builder Document Management System; Asite Document Management System, Livelink Electronic Document Management System; Oracle Primavera Contract Management (Expedition) Version 13.1; Wintrak (Port Authority in-house Construction Tracking System); Adobe Professional, and Adobe Capture programs

Vitaliy Khinchin
Office Engineer

Professional Profile

Mr. Khinchin has many years of extensive experience in construction of residential, commercial and industrial buildings, highways and bridges. His experience includes organization of site activities, safety survey and supervision of construction teams. He was also responsible for construction supervision and inspection of welding, laboratory testing and sampling, air monitoring and soil remediation, money saving strategies for overall cost of construction, scheduling and cost estimate, field modifications of proposed construction methods and details.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2005/NICET IV

Education
BS/1978/Civil Engineering

Course Work
2010 - Crane Safety Training for Engineers and Supervisors
2009 - Prevailing Wage for Resident Engineers/Project Managers, NYC Citywide Training
2003 - 10-Hour OSHA Training Course, #000130873
2001 - OSHA Lead Awareness Training, #067-82-0261

Total Years Experience 38

Project Experience

Belt Parkway Bridges REI Services - Paerdegat Bridge, Contract#HBK1024, New York, NY; 9/09-Present. Office Engineer. This project involves the demolition of the entire 13-span, multi-stringer bridge superstructure and substructure including abutments, wingwalls, and the piers consisting of concrete pile columns to a minimum of 600 mm below the mud line. The replacement structures are new three-span and five-span bridges consisting of a Class HP reinforced concrete superstructure slab supported by high performance steel box girders and substructures including reinforced concrete abutments, wingwalls, and multi column piers on new pile foundation. Mr. Khinchin is responsible for maintaining all project required logs (shop drawings, permits, RFI's, change orders), filing all correspondence, transmittals and submittals; preparing agendas and minutes of the meetings; review and preparation of all contractors' partial and change order payments; verifying all estimates for payments, computations, as well as field measurements and sketches necessary for payment purposes; and reviewing all requested change order proposals and prepare packages for approval. Client: New York City Dept. of Transportation

Reconstruction of East and West Houston Street, #HWM738, New York, NY; 9/05-9/09. Office Engineer. This project involved resident engineering and inspection services for the installation of sewer, watermain, street lighting, curb and sidewalk, tree pruning and planting, and traffic work. Mr. Khinchin's duties included processing of partial payments, change order payments, preparing change orders and overruns, material acceptance and estimate books, filing all correspondence, contract and shop drawings, preparing submittals, project forms and logs, review Inspector's reports and quantities computation. He was also responsible for preparing agendas and minutes of the meetings, as-built drawings, field cards, in-service sheets and closeout package for the final payment. Client: New York City Dept. of Design and Construction

Cleaning and Surveying of Existing 48-in. Water Main, Madison Avenue between East 39th and East 78th Street, #MED-584A, New York, NY; 1/03-9/05. Office Engineer. This project involved "trenchless technology" to rehabilitate the existing 48-in. trunk water main included excavation of insertion pits for installation of new 48-in. steel pipe with Baker coupling system, installation of four new 36-in. and 48-in. Butterfly Valves, cleaning and surveying the existing water main utilizing robots to determine both the advisability of lining the pipe, as well as the proper lining to employ. Work included construction of new water distribution mains, sewer, new chambers and manholes, relocation of Con Edison and Empire City subway utilities, and restoration of roadway and sidewalk. Mr. Khinchin's duties included processing of partial payments, change order payments, change orders and overruns, material acceptance and estimate books, filing all correspondence, contract and shop drawings, preparing submittals, project forms and logs, and record keeping. He also prepared agendas and minutes of the meetings, as-built drawings, field cards, in-service sheets and closeout package for the Final Payment. Client: New York City Dept. of Design and Construction

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, New York, NY; 2001-1/03. Inspector. This project involved REI services for the reconstruction on the north side of the structure on the approach and suspended spans over East River and maintenance painting inspection. Mr. Khinchin's responsibilities included inspection of contractor's work, control of the contaminated waste removal, field measurements and quantity computations, preparation of inspector's reports. Client: New York City Dept. of Transportation

Vitaliy Khinchin
Office Engineer

Rehabilitation of Shore Road (Pelham Parkway) Bridge over the Hutchinson River, Contract HBX 1148R, Bronx, NY; 6/01-1/03. Office Engineer/Sr. Inspector. This project involved rehabilitation of a bascule span movable bridge including grid deck replacement, structural steel repair and replacement, lead paint abatement, bridge drive motors replacement, bridge machinery rehabilitation, repair of existing piers, abutments and control houses including underwater repair, bridge balancing tests, electrical work and MPT. Mr. Khinchin's duties included inspection of contractor's work, field measurement and quantity computation, preparation of inspector's reports, concrete and asphalt testing preparation and processing of partial payments, change orders, and material acceptance and estimate books. Client: New York City Dept. of Transportation

Northern Boulevard/Cross Island Parkway Interchange, Queens, NY; 2/01-6/01. As office engineer, Mr. Khinchin's duties included the preparation and processing of partial, substantial and final payments, change orders, material acceptance and estimate books, as well as the preparation of closeout packages for all three bridges. Client: New York City Dept. of Transportation

Bridge Component Rehabilitation, #HBCREPL95D, New York, NY; 8/00-2/01. Mr. Khinchin served as a senior inspector on the following projects:

- **Willis Avenue Bridge over Harlem River, New York, NY**. This project involved maintenance and protection of traffic in nine stages at Manhattan, the Bronx sides and bridge itself. The project included partial replacement of existing deck joint at West abutment using armored joint system with compression seal; replacing existing deck joint at Pier 14 and East abutment with Steelflex Strip Seal Expansion Joint System; replacing existing deck joint at Bent 1 with Silicoflex Joint Sealing System; replacing existing deck joint at Pier 17 and South abutment with Transflex 200 Joint System; replacing existing concrete headers at all joints and repair concrete recesses at Piers 11, 12, 13, 15, 16 and Bent 23 using Polymer Concrete (Watson-Bowmen); repairing spalls in deck slab; and removal and disposal of asbestos contaminated materials.
- **Walton Avenue over Metro North, New York, NY**; 8/00-2/01. Senior Inspector. This project involved the replacement of existing approach slab at East and West sides with new reinforcing concrete slabs and asphalt pavement; the replacement of 1 1/2 in. of worn sidewalk with 1 1/2 in. Microsilca concrete overlay; replacement of existing concrete pedestals and bearing using jacking procedure (jacking towers); and sealing joints between steel girders and concrete deck.
- **Boston Road Bridge over Hutchinson River; New York, NY**; 8/00-2/01. Senior Inspector. This project involved epoxy coating wingwalls (S-E, N-E, S-W, N-W), also filling the deck joint with sealant at Pier 7. Mr. Khinchin's responsibilities included the inspection of MPT every night before shift began; inspection of all types of construction operations; coordination with contractor; inspection of welding during installation of armored joint system and steel beam fabrication for jacking towers; coordination with Metro North track outages; performing field measurement and calculations for quantity of work; performing asphalt and concrete field tests; and preparing daily inspectors concrete and asphalt reports.

Client: New York City Dept. of Transportation

Reconstruction of the 11th Avenue Bridge over LIRR and the NYCTA, Contract #HBK537R; 4/00-8/00. Inspector. This project involved construction of three-span concrete bridge, steel girders and reinforced concrete deck, new abutments, concrete and steel piers and cap beams, crash walls, sidewalks, parapets, reconstruction of roadway approaches, construction of new water main, gas mains and sewers. Mr. Khinchin's responsibilities included inspection of contractor's work, preparation of field measurement and quantity computation, preparation of inspectors' reports, concrete and asphalt testing. Client: New York City Dept. of Transportation

Reconstruction of Northern Blvd. Bridge over Cross Island Parkway, Contract # HBQ1075, New York, NY; 12/99-4/00. Inspector. This project involved removal of existing two span concrete bridge, steel stringers and monolithic reinforced concrete deck, and construction of a new concrete bridge with steel girders within three stages. His responsibilities included inspection of replacing a watermain, a Brooklyn Union gas main, and Bell Atlantic and Con Edison conduits and ducts. Client: New York City Dept. of Transportation

Richard Khoury
Senior Office Engineer

Professional Profile
Mr. Khoury is a field engineer with many years of diversified experience in the area of construction engineering. He is responsible for supervision and assignment of the various inspection tasks to the field staff. His responsibilities also include processing monthly estimates, change orders, force accounts, overseeing all project logs, and processing the final estimate.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
1985/NICET IV
2010/Certified Professional in Erosion and Sediment Control

Education
BS/1985/Civil and Construction Engineering Tech. (CCET)

Course Work
2011 - 30-Hour OSHA Training Course
2010 - NYSDEC Erosion and Sediment Control Training – SWT[redacted]
2005 - 30-Hour OSHA Training Course
2003 - Expedition Course, 9.0
2000 - Traffic Work Zone Safety Training Course - GPI
1998 - Expedition Course, 5.0
NYSDOT MPT Certified

Total Years Experience 30

Project Experience
Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 10/11-Present. Senior Office Engineer. The $110-million project involves construction management and inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work includes installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. Mr. Khoury's responsibilities include working up quantities and processing monthly estimates; tracking and logging of all documentation utilizing Expedition as a project-control system; overseeing assignments of office engineering staff; routing of all shop drawings, submittals, correspondence, daily reports; maintaining as-built drawings; processing of material acceptance records and certificates, change orders; and preparation of the necessary documents for substantial completion and the final estimate. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY; 1/09-10/11. Senior Office Engineer. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, there were massive concrete placements for concrete footings and piers. Traffic on the project was maintained with five lanes open to traffic. During the staged construction, work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project include new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Khoury's responsibilities included working up quantities and processing monthly estimates; tracking and logging of all documentation utilizing Expedition as a project-control system; overseeing the routing of all shop drawings, submittals, correspondence, daily reports; maintaining as-built drawings; and processing of material acceptance records and certificates, change orders and preparation of the necessary documents for the final estimate. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Deck Replacement - BW-82, Bronx, NY; 11/03-9/07. Office Engineer. This $150-million project involved the removal of existing roadway deck and installation of an orthotropic deck with bonded aggregate wearing surface at anchorages and suspended spans removal of existing stiffening truss and modification of anchorage chambers, installation of new expansion finger joints, work platforms at towers maintenance platforms at anchorages, floorbeams, light poles, decorative lighting, and fire protection system. The project also included replacement of existing laterals, girder pins at anchorages, electrical facilities in the suspended span, and existing barriers with new steel barriers, providing and installing track beams for the maintenance traveler, maintenance traveler and access platforms to the maintenance traveler; and utilizing temporary moveable barriers to

accommodate traffic during rush hours. Mr. Khoury's responsibilities included working up quantities and processing monthly estimates, tracking and logging of all documentation utilizing Expedition as a project-control system. He oversaw the routing of all shop drawings, submittals, correspondence, daily reports, maintained as-built drawings, processed material acceptance records and certificates, change orders and prepared the necessary documents for the final estimate. Client: Triborough Bridge and Tunnel Authority

Cross Bay Boulevard Bridge, Contract CB-08/09, Howard Beach, NY; 9/07-5/08. Office Engineer. This project involved construction management and inspection services for this $60-million project, which completely replaced the existing concrete deck using a staged demolition and reconstruction approach. Mr. Khoury's responsibilities included working up quantities and processing monthly estimates, tracking and logging of all documentation utilizing Expedition as a project-control system, overseeing the routing of all shop drawings, submittals, correspondence, daily reports, maintaining as-built drawings, processing of material acceptance records and certificates, change orders and preparation of the necessary documents for the final estimate. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Deck Replacement of the Randall's Island Junction Structure, Phase I - TB-63, New York, NY; 7/98-11/03. Office Engineer. This $138-million project was comprised of two major reconstruction efforts: the complete replacement of the Randall's Island Junction Structure and the redecking of the Bronx Approach. Work included upgrading bridge electrical systems, a new de-icing/salt storage facility and reconstruction work at various shops within the Junction Structure. Mr. Khoury's responsibilities included working up quantities for monthly estimates, and preparing order on contracts, force accounts, EEO and training special provisions reports. He was also responsible for overseeing the routing of all shop drawings, correspondence and daily inspection reports, maintaining as-built drawings, identifying and maintaining required material acceptance reports and certifications, and processing the necessary documents for the final estimate. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Queens Approach Concrete Structure Deck Replacement - TB-13, Queens, NY; 1996-4/99. Assistant Resident Engineer/Office Engineer. This project involved construction inspection and support services for the Queens approach concrete structure deck replacement at the Robert F. Kennedy (Triborough) Bridge. Mr. Khoury's responsibilities included supervising the field staff, assisting in resolution of field problems, documenting and implementing our quality assurance/quality control (QA/QC) plan, reviewing and routing shop drawings, maintaining field records, checking daily inspection reports and processing monthly estimates. Client: Triborough Bridge and Tunnel Authority

CR3 Wellwood Avenue Final Design, Babylon, NY; 6/08-1/09. Resident Engineer. This project involved providing resident engineering, construction inspection and construction support services for bridge construction and interchange widening of Wellwood Avenue Bridge over Southern State Parkway. Project features included steel sheeting, structural excavation, structural concrete placement (footings, wingwalls and parapets), installation of pre-cast, post-tensioned concrete arches, PCC and asphalt, concrete pavement, major MPT required to shut down Southern State Parkway, and installation of NYSDOT INFORM fiber optic communication cable. Mr. Khoury oversaw inspection staff and conducted quality assurance reviews of work associated with this project. Client: Suffolk County Dept. of Public Works

Queens-Midtown Viaduct Inspection, Contract #D253037, Queens, NY; 1990-1996. Office Engineer. This $115-million project involved the reconstruction of the six-lane Long Island Expressway viaduct entrance to the Midtown Tunnel. The reconstruction of this heavily traveled viaduct (100,000 vehicles per day), which spans navigable waterways at an exceptional height, involved structural steel and concrete deck replacement, removal of existing rocker expansion and sliding steel bearings and replacement with multi-rotational seismic bearings. The construction was accomplished in five work stages, which provided for the uninterrupted use of a dedicated bus lane and four traffic lanes. Mr. Khoury's responsibilities included working up quantities for monthly estimates, and preparing order on contracts, force accounts, EEO and training special provisions reports. He also was responsible for overseeing the routing of all shop drawings, correspondence and daily inspection reports, maintaining as-built drawings, identifying and maintaining required material acceptance reports and certifications, and processing the necessary documents for the final estimate. Client: New York State Dept. of Transportation

Kenny Loh, LEED AP BD+C
Office Engineer

Professional Profile
Mr. Loh has experience as office engineer, construction inspector and designer. His excellent computer skills and exceptional organizational capabilities, combined with his construction experience, enable him to provide the unique combination required to produce all required project reports and documentation, as well as providing on-site inspection services. Additional duties have included cost analysis and client interaction, which will prove to be helpful during any claim analysis.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2009/LEED Accredited Professional/NY

Education
BS/2006/Civil Engineering

Course Work
2010 - NYSDEC Erosion and Sediment Control Training – SWT#[redacted]
2009 - 10-Hour OSHA Training Course

Total Years Experience 8

Project Experience
Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C, Queens/Bronx, NY; 12/11-Present. Office Engineer. The $110-million project involves construction management and inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work includes installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. Mr. Loh's responsibilities include working up quantities and processing monthly estimates, tracking and logging of all documentation utilizing Expedition as a project-control system. He also oversees the routing of all shop drawings, submittals, correspondence, daily reports; maintains as-built drawings; processes material acceptance records and certificates, change orders; and prepares the necessary documents for the final estimate. Client: Triborough Bridge and Tunnel Authority

CR3 Wellwood Avenue Final Design, Babylon, NY; 4/08-10/08. Office Engineer/Inspector. This project involved providing resident engineering, construction inspection and construction support services for bridge construction and interchange widening of Wellwood Avenue Bridge over Southern State Parkway. Project features included steel sheeting, structural excavation, structural concrete placement (footings, wingwalls and parapets), installation of pre-cast, post-tensioned concrete arches, PCC and asphalt, concrete pavement, major MPT required for closure of Southern State Parkway, and installation of NYSDOT INFORM fiber optic communication cable. Mr. Loh was responsible for daily work reports, concrete material testing on the job site, measurements for monthly progress payments, checking and updating CEES (Computerized Engineers Estimate System) for pay quantities, tracking and logging project records and assisting the resident engineer with daily tasks. Client: Suffolk County Dept. of Public Works

Replacement of County Road 67, Motor Parkway Bridge at the LIE, Exit 55, Town of Islip, NY; 4/11. Construction Inspector. This project was a four-stage replacement of the existing 50+ year-old, four-span bridge with the new structure. The new bridge consists of two span steel frame composite with the concrete slab with integral wearing surface. Mr. Loh was responsible for daily work reports and measurements for monthly progress payments. Client: Suffolk County Dept. of Public Works

Stony Brook University North Entrance and Toll Road, Stony Brook, NY; 9/10-12/11. Design Engineer. This project involved the final design of two separate locations, North Entrance Road and John S. Toll Drive. The work along John S. Toll Drive consisted of the design of a pedestrian mall area between the existing library and Student Union building with complete roadway reconstruction whereas work near and along North Entrance Road consisted of a realignment of Circle Road with complete roadway reconstruction with minimal curb, drainage, lighting and walkway work for those areas beyond the limits of the realignment of Circle Road and North Entrance Road profile and intersection changes. Mr. Loh was responsible for establishing horizontal and vertical alignments, generating profiles, design closed drainage system, developing contract plans, specifications and estimates for both locations. Client: Stony Brook University

Kenny Loh, LEED AP BD+C
Office Engineer

Ring Road Reconstruction, Old Westbury, NY; 6/11. Design Engineer. This project involves final design, construction documents, and construction support for drainage improvements, safety improvements, and reconstruction of the main loop road and the entrance roads. The State University of New York at Old Westbury proposes to rehabilitate approximately four miles of the campus main access Ring Road, along with other entry drives that permit access to the campus. Additionally, several site safety issues related to internal intersection geometry, lane drops, site distance, traffic volumes and pedestrian access will be investigated and evaluated for proposed improvements. Localized flooding and roadway freezing will be investigated in several problem areas and drainage improvements evaluated and proposed. Mr. Loh was responsible for evaluating the existing pavement condition, locating possible problem areas and providing a cost effective remediation plan. Client: State University of New York at Old Westbury

Northern State Parkway and Long Island Expressway Interchange Improvements at NY 110, Town of Huntington, NY; 8/09-10/10 and 6/12-10/12. Drainage Engineer. This project included an Environmental Assessment, preliminary and final design, construction documents and construction support for the replacement and widening of the existing NSP Bridge over NY Route 110 and its interchange along with the widening of NY Route 110 from four to six lanes between the LIE and NSP. The project was advanced under three construction contracts: PINs 0112.53, 0516.41 and 0112.56. Mr. Loh was responsible for developing the drainage design plans, specifications and estimates for a closed drainage system for this project as per NYSDOT guidelines. The drainage design was developed using "InRoads Storm & Sanitary" software and the development of new recharge basins in accordance with NYSDOT GDP-8. Client: New York State Dept. of Transportation

Stony Brook University North Roadways, Stony Brook, NY; 2/09-4/10. Design Engineer. This project involved the design study of two separate locations: North Entrance Road and John S. Toll Drive. Mr. Loh's responsibilities included a study of current conditions for both locations, analyzing existing topography and utility locations, and preparing schematic designs and preliminary report outlining the various alternatives. Client: Stony Brook University

Athletic Track Conceptual Planning, Stony Brook, NY; 10/08-1/09. Design Engineer. This project involved conceptual planning of the complete reconstruction of the existing track. Mr. Loh's responsibilities included research and preparation of several schematic design alternatives, a preliminary report outlining the specifics of each alternative and a cost estimate. Client: Stony Brook University

Stony Brook University Kelly Quad Parking Lot, Stony Brook, NY; 9/08-10/08. Design Engineer. This project involved the expansion of existing parking lot by approximately 110 parking spaces. Design included parking lot layout, pavement, drainage and lighting design. Due to existing topography, retaining walls ranging between 4 to 12 feet were required. The project required detailed design, specifications and cost estimates. Mr. Loh's responsibilities included the preparation of several schematic designs, a preliminary report outlining the specifics of each alternative and a cost estimate. Client: Stony Brook University

Computer Skills
AutoCAD, AutoTURN, MathCAD, Matlab, Microsoft Excel, Word, PowerPoint, MicroStation, Bentley Inroads, Minitab, Java

Nancy Martinez
Office Engineer

Professional Profile
Ms. Martinez has experience in the construction management field. She has experience utilizing AutoCADD and drafting and CPM. She possesses great leadership skills and is bilingual in Spanish.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2009/ACI Concrete Field Technician Grade 1

Education
BS/1998/Construction Management Engineering
AS/1996/Construction Architectural Engineering

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2007 - 10-Hour OSHA Training Course

Total Years Experience 17

Project Experience

Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 3/13-Present. Office Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Ms. Martinez is the lead office engineer responsible for directing the efforts of six construction administration professionals. The group consists of assistant office engineers and project controls specialists who manage and direct all project records. This includes the processing of payments to the contractor by using the WinTrak Program; preparation of Post Award Contract Changes (PACC) and processing of Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attending Facility Impact and Progress meetings, minutes of meeting, as-builts, etc. Client: Port Authority of NY & NJ

2011-2014 Port Authority On-Call Construction Management Services – Port Authority Bus Terminal, Various Contracts, New York, NY; 9/10-5/13. Office Engineer. These projects involved construction management and inspection services on an on-call basis. The Port Authority of NY & NJ supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Under this on-call contract, Ms. Martinez was involved on the following projects:

Bus Ramps Deck Replacement Phase II, Contract #LT-234-174; 9/10-5/13. Office Engineer. This $36-million project consisted of the replacement of the existing deteriorated concrete roadway deck and embedded snow melting system at the Lincoln Tunnel (LT) bus ramps in order to maintain a state of good repair, preserve the structural integrity of the bus ramps and provide a safe riding surface during the winter months. The project involved the replacement of the bridge decking on the ramps to the Lincoln Tunnel by demolishing and removing the existing roadway decks in the designated areas of the bus ramps and replacing them with new precast concrete panels and cast-in-place concrete, including stainless steel piping for the snow melting system, demolition and installation of sign structures and removal of lead paint and repainting. Ms. Martinez was responsible for all office records, including processing payments to the contractor by using the WinTrak Program; preparation of Post Award Contract Changes (PACC) and processing of Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attending Facility Impact and Progress meetings, minutes of meeting, as-builts, etc.

In addition, Ms. Martinez performed construction inspection on weekend work that included inspection of demolition of existing concrete road deck and installation of temporary timer decking and precast concrete panels, cast-in-place concrete for roadway deck, installation and pressure testing of coils for the Savaloid System, supervision of construction personnel, coordination of construction operations with the Facility and the police, scheduling of Port Authority Materials Division for testing of materials onsite and generating inspector's narratives.

Nancy Martinez
Office Engineer

Contract #LT-234.054, New York, NY; 10/09-5/13. Office Engineer. This project consisted of replacement of the existing concrete sump ceiling slab with pre-cast concrete panels, replacement of adjacent pavement, catch basin and man hole structures and patching in the adjacent pump room at the Lincoln Tunnel Center Tube. Ms. Martinez served as office engineer responsible for all office records. This included processing payments to the contractor by using the WinTrak Program; preparation of Post Award Contract Changes (PACC) and processing of Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attending Facility Impact and Progress meetings, minutes of meeting, as-builts, etc.

Contract #BT-254.220, New York, NY; 12/05-1/13. Office Engineer. This $50-million project consisted of providing the required strengthening to maintain structural integrity of the Port Authority Bus Terminal (PABT) in New York City during a seismic event. Ms. Martinez served as office engineer responsible for all office records. This included processing payments to the contractor by using the WinTrak Program; preparation of Post Award Contract Changes (PACC) and processing of Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attending Facility Impact and Progress meetings, minutes of meeting, as-builts, etc.

Contract #LT-525, New York, NY; 4/10-9/12. Office Engineer. This project consisted of installing pavement markings, signage, drop-in-delineators and Dura-curb at the New York Galvin Plaza Entrance, New Jersey Toll Plaza Approach and Departure Roadway and New Jersey Westbound Helix and Exit ramps. Ms. Martinez served as office engineer responsible for all office records. These responsibilities included processing payments to the contractor by using the WinTrak Program; preparation of Post Award Contract Changes (PACC) and processing of Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attending Facility Impact and Progress meetings, minutes of meeting, as-builts, etc.

2006-2010 Port Authority On-Call Construction Management Services – Port Authority Bus Terminal, Various Contracts, New York, NY; 11/03-9/11. Office Engineer. These projects involved construction management and inspection services on an on-call basis. The Port Authority of NY & NJ supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Under this on-call contract, Ms. Martinez was involved on the following projects:

Contract #LT-521, New York, NY; 6/09-2/11. Office Engineer. This project consisted of providing for rehabilitation of concrete and steel elements at the LT Bus Ramps (including replacement of unsound concrete at columns, beams, deck slabs and bearing pedestals), replacement of deteriorated anchor bolts and nuts, installation of steel plates, angles and bolts to reinforce steel bearing pedestals and girders and installation of wire mesh safety netting. Ms. Martinez served as office engineer responsible for all office records. This included processing payments to the contractor by using the WinTrak Program; preparation of Post Award Contract Changes (PACC) and processing Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attending Facility Impact and Progress meetings, minutes of meeting, as-builts, etc.

Bus Terminal Ramps Reconstruction, Contract #LT-234-080, New York, NY; 11/03-3/09. Office Engineer. This $60-million project focused on the rebuilding and rehabilitation of the ramps connecting the Lincoln Tunnel with the Port Authority Bus Terminal. Ms. Martinez worked on the Lincoln Tunnel Bus Ramp and Triple Bridges Rehabilitation. Ms. Martinez served as office engineer responsible for all office records; processing payments to the contractor by using the WinTrak Program; prepared Post Award Contract Changes (PACC) and processing Change Orders (Order on Contract), Time and Material records, desk audits (review and approval of contractor's T&M packages), contract monthly reports, request for information and response to submittals by using e-Builder, correspondence, attended Facility Impact and Progress meetings, minutes of meeting, as-builts, etc.

Zhong Wen Pan, E.I.T.
Office Engineer

Professional Profile
Mr. Pan possesses the following experience.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2012/Engineer In Training/NY
2013/ACI Concrete Field Testing Technician Grade 1

Education
BS/2006/Civil Engineering

Course Work
2010 - 10-Hour OSHA Training Course

Professional Affiliations
American Society of Civil Engineers (ASCE)
Institute of Transportation Engineers (ITE)

Total Years Experience 11

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 2/10-Present. Office Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Pan's responsibilities include the establishment and implementation of the office procedures to the administration of construction contract. His duties will also include implementing project controls for distribution and record keeping of construction drawings, construction contract correspondence, technical records, and other projects documents. Additionally, he will review and process the contractor's pay applications, review the project schedule, process RFI's, prepare change orders, and manage claim and change order records. Mr. Pan will also assist the resident engineer on different tasks throughout the project. Client: New York City Dept. of Transportation

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 9/09-2/10. Assistant Office Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Pan's responsibilities included assisting resident engineer on different tasks of the project including handling project documents, contractor payment, RFIs, shop drawings, change order and schedule review and drawings. Also provided coordination of inspection team and contractors. Client: New York City Dept. of Transportation

SIM Building Systems, LLC, New York, NY; 6/08-9/09. Structural Engineer. Mr. Pan has assisted project managers in the production of engineering design for mid-rise residential buildings; participated in structural components design (light gauge panelized walls, Vescom joists, Vescom composite floor system, shear wall, and other structural members); performed load calculations such as wind and seismic analysis; prepared design and engineering plans as well as shop drawings; developed structural models (developed in RISA 3D) and evaluated the designs to meet the current building code requirement; provided construction coordination to the construction team and fabrication shop; and prepared engineering and construction estimates for a variety of projects.

Zhong Wen Pan, E.I.T.
Office Engineer

Westchester County Sign Inventory, Westchester County, NY; 8/06-5/08. Junior Engineer. This project involved field inventory of all county owned traffic signs, developing a Sign Management System, and preparing design documents to replace signs as required. In addition, assisted in the bid process, provided design support during construction, inspected the work and provided all necessary construction administration to complete the sign replacements. Mr. Pan's responsibilities included reviewing signs for conformance to State and Federal requirements and developing construction drawings to replace signs that do not meet minimum requirements. Client: Westchester County Dept. of Public Works

Nassau County Pavement Marking Plans, Westbury, NY; 1/07-5/08. Junior Engineer. This project involved inventory of all existing pavement markings along 11 segments of roadway deemed as priorities by NCDPW. Mr. Pan was responsible for field data collection and developing construction drawings for new pavement markings. Client: Nassau County Dept. of Public Works

Nassau County Traffic Calming - Post Avenue, Westbury, NY; 12/06-5/08. Junior Engineer. This project involved performing a traffic calming study along Post Avenue in the Village of Westbury to identify appropriate traffic calming measures and safety measures that can be applied along the corridor. Mr. Pan was responsible for field data collection and developing drawings using AutoCAD. Client: Nassau County Dept. of Public Works

Shinnecock Tribe Traffic and Environmental Analysis, Southampton, NY; 12/06-5/08. Junior Engineer. This project involved professional engineering services to develop and prepare EIS-type documents that were used in the Attorney General Office's litigation of the Shinnecock Indian Tribe's application to build a casino and gaming resort in the Town of Southampton on Long Island. Mr. Pan's responsibilities included field data collection and assisting engineers with the project. Client: New York State Office of General Services

Weaver Street Reconstruction, New Rochelle, NY; 6/06-8/06. Junior Engineer. Under this locally administered federal aid project, preliminary design services were provided including development of the Design Approval Document (Phases I through IV) for the rehabilitation of Weaver Street within the project limits and improvements at the Griffin Avenue and Quaker Ridge Road intersections. Mr. Pan's responsibilities included performing accident analysis by using the HAS software using the traffic counts to establish balanced traffic volumes, no build, and project volume for the ETC and ETC+10. He also used the HSC and Synchro software to conduct capacity analyses for the existing and future conditions and providing investigation measures. Client: Westchester County Dept. of Public Works

New York City Dept. of Transportation, Division of Bridges, New York, NY; 6/05-9/05. College Intern. Mr. Pan assisted the director with the weekly update of the projects; generated some AutoCAD drawings for engineers; and assisted engineers with daily office work.

Traffic Study, New York, NY; 3/05-5/05. Traffic Surveyor. Mr. Pan worked as a traffic surveyor where he conducted interviews with drivers in lower Manhattan for a traffic study.

Software
AutoCAD, MicroStation, STAAD, ETABS, Revit Structure, HCS, MS Word, MS Excel, MS PowerPoint, MS Project

Systems
MS Windows 95/98/NT/2000/XP, UNIX Solaris

Languages
C, C++, Java

Gopesh Pandya
Office Engineer

Professional Profile
Mr. Pandya is an office engineer with extensive knowledge of office administration procedures and recordkeeping for various tri-state area transportation agencies.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2013/NICET IV

Education
BE/1990/Civil Engineering

Course Work
2012 - 10-Hour OSHA Training Course
2008 - Rutgers University Traffic Control Coordinator Designation Course #1066
2008 - 1-Hour Lead Awareness Training Class
2008 - SAT Asphalt Paving
2000 - NYSDOT Methods of Bridge Inspection

Total Years Experience 23

Project Experience
Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY; 2/13-Present. Office Engineer. This $236-million project involves reconstruction to replace the upper level roadway superstructure of the Verrazano-Narrows Bridge. The work includes: removal of existing upper level roadway deck and barrier, installation of new upper level orthotropic deck, overlay, drainage systems, sign structures, lighting, barrier, painting and miscellaneous utility work. Mr. Pandya is responsible for working closely with the project manager and resident engineer on many project issues; providing conformance with TBTA requirements for maintaining job files which include all incoming and outgoing correspondence; utilizing Microsoft Access and Excel to maintain and track all submittals (shop drawings, catalog cuts, requests for information, etc.); organizing inspector's daily reports and checking quantities; compiling and finalizing monthly quantities for contractor's monthly payments; compiling and entering daily progress, manpower and equipment information from inspector's daily reports for engineer's diary; tracking and logging all material acceptance submittals; researching overrun quantities; organizing revised contract drawings, as-built and punch list information; and providing submittal information to inspectors; and preparation and distribution of progress and technical meeting minutes. Client: Triborough Bridge and Tunnel Authority

Bronx-Whitestone Bridge Bronx/Queens Approach, BW-89/WBM-342, Bronx, NY; 2/09-2/13. Office Engineer. This $192-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, there was massive concrete placements for concrete footings and piers. For the duration of the project, traffic on the bridge was maintained with five lanes open to traffic. During the staged construction, work was staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure. Mr. Pandya's responsibilities included assisting the resident engineer with document research, control and recall; providing conformance with TBTA requirements for maintaining job files which include utilizing Expedition to maintain and track all submittals (shop drawings, catalog cuts, requests for information, etc.); preparing weekly progress reports; compiling and entering information from inspector's daily report for engineer's diary; assisting in researching overrun quantities; organizing revised contract drawings, as-built and punch list information; providing submittal information to inspectors; collecting and numbering check and routing all Inspector's Daily Reports (IDRs); checking quantities listed on IDRs and processing monthly estimate; processing of material acceptance and certificates; and posting IDR quantities to monthly estimate book. Client: Triborough Bridge and Tunnel Authority

Brooklyn-Queens Expressway (I-278), From Flushing Avenue to Sand Street, NY; 7/07-2/09. As an assistant office engineer, Mr. Pandya participated extensively in activities such as reviewing and approving inspector's reports as per plan, proposal and specification using ShareChive system; estimated closing using NYSDOT CEES system; co-coordinated with inspectors for IDR issues and contractor/NYSDOT and ShareChive personals for estimate issues, material certification reviews, contractor and subcontractor's payrolls and work history; and wage rate table, submittals, asphalt/fuel/steel price adjustments work. Client: New York State Dept. of Transportation

Gopesh Pandya
Office Engineer

Bronx-Whitestone Bridge, Replacement of Roadway Deck on Suspended Span, BW-82, NY; 8/05-7/07. As construction inspection engineer, Mr. Pandya participated in different construction activities such as removal and replacement of existing deck; replacement of bridge joint system; bonded aggregate surfacing placement; and painting and miscellaneous structural repair on Bronx-Whitestone Bridge. He also participated in office engineering work which included material certifications, review, and estimation of quantity and project close-out work. Client: Triborough Bridge and Tunnel Authority

Throgs Neck Bridge Deck Rehabilitation, TN-82A, New York, NY; 11/04-8/05. Construction Inspection Engineer. Mr. Pandya participated in different construction activities such as replacement of sub-floor beams; retrofitting existing orthotropic deck; dye penetrant testing for crack evaluation on structural steel; and structural steel repair work and miscellaneous structural repair. Client: Triborough Bridge and Tunnel Authority

Robert F. Kennedy (Triborough) Bridge Deck Replacement on Suspended Spans and Queens Viaduct - TB-64A, Queens, NY; 10/01-10/04. Construction Inspection Engineer. Mr. Pandya participated in different construction activities such as replacement of suspender rope; replacement of bridge joint system; removal and replacement of existing deck; bonded aggregate surfacing; and miscellaneous structural repair. Client: Triborough Bridge and Tunnel Authority

Williamsburg Bridge Reconstruction, Contract #7, New York, NY; 1/01-10/01. Construction Inspection Engineer. Mr. Pandya participated in different construction activities such as removal and replacement of existing roadway; concrete retaining wall and abutment construction; drainage line installation; backfilling; and saw cutting on Manhattan Approach North Roadways. Client: New York City Dept. of Transportation

Manhattan Boro Biennial Bridge Inspection, NY; 6/00-1/01. Assistant Team Leader. Mr. Pandya participated in several bridge inspections and prepared BRPR. Client: New York City Dept. of Transportation

George Washington Bridge, NY; 6/00. This project involved biennial inspection of the George Washington Bridge Sign Structures and flag hoisting system. Client: Port Authority of NY & NJ

East 3rd Street and 52nd Street Bridge, NY; 3/00-6/00. Mr. Pandya designed utility relocations for the two bridges. This work included coordination with utility companies. Client: New York City Dept. of Transportation

Metropolitan Avenue Bridge, NY; 2/00-3/00. As structural engineer, Mr. Pandya participated in the preparation of final plans for the rehabilitation of approach retaining walls, new wing walls and fendering system. Client: New York City Dept. of Transportation

Arthur Kill Road Bridge Project, NY; 1/00-3/00. As structural engineer, Mr. Pandya prepared preliminary plans for the replacement bridge.

Hudson Bergen Light Rail Transit System, NJ; 9/97-12/99. Quality Assurance and Construction Inspection Engineer. Mr. Pandya worked as quality assurance and construction inspection engineer for this DBOM project. He inspected excavation, formwork, reinforcement and concrete operation and architectural finishes to ensure adherence to drawing and specifications; inspected cement concrete and asphalt concrete at plant site; certified mix design; checked thickness of asphalt pavement for street work; and inspected excavation and embankments for specified, line level and compaction.

Mr. Pandya worked on the following station and station plazas: 34th Street, Jersey Avenue, Newport, 45th Street, Liberty Harbor North, West Side Avenue, Richard Street, Exchange Place, Garfield Avenue, Danforth Avenue, Harbourside, MLK Drive, Harsimus Cove, Liberty State Park. Client: New Jersey Transit

Project Consultant; 1/90-8/97. Mr. Pandya assisted in planning and designing of building construction project; provided estimating and costing data of project; implemented and finished construction activity within time frame and cost effectively; provided quality control for all construction activity including utility and services and finishing project; and coordinated with project architect and structural engineer.

Computer Skills: Word, Excel, PowerPoint, AutoCad, Microstation, NYSDOT CEES, ShareChive

Louis Perry, E.I.T.
Office Engineer

Professional Profile
Mr. Perry is an inspector with the following experience.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
2011/Engineer In Training
2012/ACI Concrete Field Testing Technician Grade 1

Education
BS/2011/Civil Engineering

Course Work
2014 - OSHA Lockout/Tagout - Control of Hazardous Energy (2017)
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness
2012 - 10-Hour OSHA Training Course

Professional Affiliations
American Society of Civil Engineers, Member
Corresponding Secretary, American Society of Civil Engineers, Student Chapter

Total Years Experience 3

Project Experience

2011-2014 Port Authority On-Call Construction Management Services - George Washington Bridge, Fort Lee, NJ; 1/14-Present. Office Engineer. This project involves inspection of the joint replacement of the upper level deck. The project also involves the replacement of orthotropic deck, scupper and pipe run replacement, expansion finger joint repairs, main/secondary floorbeam repairs, stringer and stringer bearing repairs, deck rib connections, barrier repairs, paving, and coordination of maintenance of traffic. Contracts Mr. Perry is involved on include:

- **Joint Replacement of the Upper Deck**. He is responsible for the coordination of maintenance and protection of traffic.
- **Fire Standpipe Replacement**. He is responsible for the coordination of maintenance and protection of traffic; verification of daily labor records and progress of work; and coordination of charging and shut down of the fire standpipe system between the contractor and the facility supervisors on different areas of the bridge so that work can be performed.
- **New Jersey Administration Building Passenger Elevator Replacement**. He is responsible for verification of daily labor records and progress of work, and scheduling inspections during the installation process (waterproofing inspection, fireproofing inspection, etc.) with different departments within the Port Authority.
- **Concrete Repairs in Main Tolls Basement and Column Repairs at the Palisades Interstate Parkway Toll House**. He is responsible for the verification of daily labor records and progress of work, and scheduling site visits to have contract work approved during certain stages by Port Authority architects and engineers.

Client: Port Authority of NY & NJ

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14, #BRC156R, New York, NY; 5/11-1/14. Office Engineer. This $149-million project involved the unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. Mr. Perry generated monthly estimates, tracked monthly quantities, maintained material acceptance records, took the minutes at monthly progress meetings, and generated monthly progress reports. He also ordered and tracked any sort of material that was needed in the field office or for the inspection staff. In his previous position as an inspector, his responsibilities included inspection of the tensioning of suspenders, the removal and installation of continuity plates, and the installation of suspender boxes. He was also involved with the inspection of the removal and rewrapping of cables with new wires; installation of cable guard-elastomeric cable wrapping; main cable wedging for inspection; and the replacement and retention of cable band bolts. Client: New York City Dept. of Transportation

Louis Perry, E.I.T.
Office Engineer

Mr. Perry worked as a field office intern where he assisted the office engineer with field measurements; created excel documents used to organize field measurements; and organized delivery and progress records; 5/10-6/10.

Computer Skills
Microsoft (Word, Excel, and PowerPoint)
Maple Programming
Knowledge of Modern Surveying Methods

Edgar Rafol
Assistant Office Engineer

Professional Profile
Mr. Rafol is an office engineer/construction inspector with several years of experience working with major bridge and highway reconstruction projects throughout the New York metropolitan area.

Proposed Project Assignment
Construction Administrator

Registration/Certifications
1994/NICET III

Education
BS/1978/Civil Engineering

Course Work
2011 - NICET Transportation Engineering Technology Highway Construction/ Level III
2009 - 10-Hour OSHA Training Course
2006 - NYCTA Track Safety Course
2000 - Traffic Work Zone Safety Training Course - GPI
NICET PDH Course "Ambient Air Monitoring"
NICET PDH Course "Inspection of Lightweight Concrete"
NICET PDH Course "Today's Coatings Inspection"

Total Years Experience 37

Project Experience

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6, New York, NY; 12/13-Present. Assistant Office Engineer. This project involves construction management and inspection services for the $509-million rehabilitation of this Iconic National Landmark. The scope of work for the project includes replacement of approach roadway in Manhattan and Brooklyn over the arch blocks; rehabilitation of the Manhattan side ramp structures with widening and deck and bearing replacements; rehabilitation of the approach steel structures with full superstructure replacement of the York and Main Street structures and orthotropic deck installation at Franklin Square; seismic retrofitting of the main bridge, Franklin Square and ramp structures; painting of the ramp structures and suspended spans in their entirety; restoration of historic features. Mr. Rafol's responsibilities include checking MURK II and data entry of same; checking subcontractor invoices; and creation of NYCDOT follow-up approval of change orders forms and time extension applications under the direction of a supervisor. Client: New York City Dept. of Transportation

Belt Parkway Bridges REI Services - Rockaway Parkway Bridge, New York, NY; 9/09-12/13. Assistant Office Engineer. The project involved the demolition of the entire existing, four-span, multi-stringer bridge superstructure with existing steel cap beams, and substructures, including the abutments, wingwalls, and pier columns and footings; installation of a new single span replacement bridge consisting of a steel multi-stringer superstructure with reinforced concrete deck and substructures, including reinforced concrete abutments and wingwalls on new piled footings, and mechanically stabilized earth retaining walls; reconstruction of approach roadways and four entrance and exit ramps within the project limits; and installation of new concrete barrier, new bridge and guide railing, new lighting standards, new drainage systems including catch basins and drainage pipes, new overhead sign structures, and new swale BMP grading, drainage and planting. Mr. Rafol was responsible for maintaining a consistent project record system; preparing monthly contract estimate; learning and implementing City endorsed "FACS" computer system; submitting and keeping track of project submittals such as catalog cuts, rfi, product samples; preparing construction reports as required; and attending meetings called for by the contract. Client: New York City Dept. of Transportation

Replacement of Brooklyn Bridge Travelers, Contract #BRC270TA, Boroughs of Manhattan and Brooklyn, NY; 3/07-9/09. Office Engineer. This project included the replacement of four movable maintenance platforms (travelers) with a state-of-the-art mechanical driven traveler system, the replacement of the traveler rails, hangers and connections, localized lead paint removal, and the replacement of the electrical system. Mr. Rafol's responsibilities included preparation of monthly contractor's construction progress payment, idr quantity checking which included contract/shop drawings requirement checking, specification checking as to standards, certificates, tests and approvals; daily administration of project office communication including preparation of both incoming and outgoing project transmittals which included shop drawings, contract drawings, safety manuals, catalog cuts, cpm and other similar items, telephone and radio communication; responding to the monthly project progress meeting issues trying to resolve issues discussed during the monthly progress meeting thru the supervision of the resident engineer and the engineer-in-charge. As the project progressed, he was responsible to an office of two to three inspectors where he maintained computer logs of all project documents, keeping updated information about all project documents for current use and the final turn over to the city at project closeout. Client: New York City Dept. of Transportation

Edgar Rafol
Assistant Office Engineer

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 4/04-3/07. Office Engineer. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. The scope of work for the project included abrasive blasting and painting of main bridge stiffening trusses, rehabilitation and strengthening of the main towers, rehabilitation of the intermediate towers and installation of seismic shear keys, main cable saddle repair and restraint, rehabilitation of wind tongue and wind chord, main tower and intermediate tower bearing installation, main tower leg removal and replacement, stiffening truss top and bottom chord rehabilitation, traveling maintenance platform installation, re-profiling of main span vertical curve by incrementally adjusting suspender cables, modification of orthotropic footwalk deck expansion joints, waterproofing and surfacing of orthotropic roadway deck, installation of ornamental balconies and electroliers, integration of intelligent transportation operating system, seismic retrofit of the intermediate towers, installation of contraflow barrier and erection of barrier transfer machine facility, including augured concrete piles. Mr. Rafol's responsibilities included the maintenance of project contract drawing database. The work specifically included receiving the shop drawings from the contractor, transmitting it to concerned agencies for approval, returning it back to contractor and concerned agencies until it was approved for construction use, change order approval follow up, and project forms preparation. He was also responsible for preparing contractor's monthly payment. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 3/01-4/04. Office Engineer. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. Mr. Rafol's responsibilities included flag repair closure letters; projected communication management; change order approval follow up; project forms preparation; field supply control works; bolts certification record keeping; and office maintenance works. Client: New York City Dept. of Transportation

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 8/99-3/01. Mr. Rafol served as assistant office engineer on this $176-million project that involved the reconstruction of the track structure on the bridge. His responsibilities included office engineering and management of project change order; maintaining and operating a working file for the project's flag repair work; assisting the senior office engineer in the supervision of a three-person office in maintaining a reliable change order record system; and tracking and coordinating approval of all project change orders. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 9/95-7/99. Mr. Rafol served as office engineer on this $310-million project that involved the reconstruction of the south roadway and removal of the maintenance travelers. His responsibilities included office engineering/management of project change order; maintaining a workable and reliable change order record keeping system; assisting the senior office engineer in the supervision of five office personnel in running and keeping the project change order record system; checking MURK-11 for accuracy and correctness for labor, materials, and equipment on a daily basis; checking labor, materials and equipment quantities for payment purposes; and tracking and following up on all project change orders for approval. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 2/92-8/95. Mr. Rafol served as assistant office engineer on this $88-million construction and resident engineering inspection project that involved the rehabilitation of the suspension system. Mr. Rafol's specific responsibilities on this project included maintaining files and monitoring a $14-million force account flag repair including other contract force accounts, processing of payments for Transit Authority accommodation services. He also performed labor wage check as needed; monthly progress photographs; monthly cable rehabilitation progress pictorial; daily weather board; weekly traffic reversal schedule; mid and end of month flag repair accomplishment report; assistance in construction material sampling and laboratory submission; control inspectors field supply; assisted in engineer-in-charge record keeping; maintained ready supply of project forms and other office supplies; prepared miscellaneous project sketches as required; delivered vital project documents to key personnel and agencies; and assisted in contractor's payment. Mr. Rafol closed-out the project according to NYCDOT procedure. Client: New York City Dept. of Transportation

LPE

Elaine Reid

EXPERIENCE

Contract Specialist, Resident Engineer's Office, JFK Int'l Airport — *2001 – Present*
LPE Enterprises/Port Authority of NY & NJ

- Support Management
- Establish Cutting and Welding Permits for approval
- Establish and maintain weekly progress reports on all Contract Jobs
- Prepare Close-out Contracts for Archives
- Perform document controls of all assigned contracts
- Update monthly expenditure report
- Type general correspondence, meeting minutes, proposals, etc.
- Maintain daily calendar, Schedule meetings and inspections via Outlook
- Answer phones and interface with internal and external clients
- Distribution of correspondence & Contract Filing
- Back up administrative support

Administrative Assistant, Global Service Provider — *1996 – 2001*
Lucent Technologies, New York, NY

- Supported Managing Director, four general managers & back-up Vice President's Executive Assistant
- Served as liaison representing organization in contacts with internal and external clients
- Maintained and managed director's calendar
- Maintained payroll via PeopleSoft, attendance and personnel records
- Handled overall facilities management for New York office
- Prepared schedules, agendas and PowerPoint presentations
- Handled event planning and worked on special projects
- Initiated routine correspondence, established travel arrangements, conferences and lodging
- Prepared expense vouchers and processed invoices via SAP
- Coordinated internal and external meetings and training
- Researched and retrieved information off the internet

Administrative Assistant, Public Relations — *1993 – 1996*
AT&T, New York, NY

- Supported district manager, administrator and backed up Vice President's Executive Assistant
- Worked on special projects (events and internet work site)
- Served as liaison representing organization in contacts with internal and external clients
- Managed time reporting and attendance
- Initiated routine correspondence, arranged conferences, established travel arrangements, processed invoices and expense vouchers

EDUCATION:

York College, City University of New York, Jamaica, NY
B.S., Business Administration, 1998

SKILLS:

- Proficient in Microsoft Word, Access, PowerPoint, Excel, Outlook and Internet

Lesly Remy
Assistant Office Engineer

Professional Profile
Mr. Remy is a junior technician with two years of experience providing inspection and data collection services.

Proposed Project Assignment
Construction Administrator

Course Work
2012 - 10-Hour OSHA Training Course

Total Years Experience 7

Project Experience

Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway, New York, NY; 9/10-Present. Assistant Office Engineer. The project involves construction inspection services for the reconstruction of the Van Wyck Expressway (I-678), between 86th Avenue and the Grand Central Parkway in Queens County. This $150-million project involves the complete replacement of five bridges, the reconstruction of one bridge along with the reconstruction of a pedestrian tunnel and the widening of the Van Wyck Expressway. Mr. Remy's responsibilities include assisting with document research; creating and maintaining office filing and sub-filing system; reviewing, logging and coordinating the distribution of all correspondence and contractor's submittals utilizing the current office database and excel; submitting and tracking of material testing; organizing the inspectors daily reports and engineer's diary; recording, preparing and distributing progress meeting minutes; procurement of office supplies; and all secretarial work for the office engineers. Client: New York State Dept. of Transportation

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, New York, NY; 1/09-2/09. Junior Technician. This project involved REI services for the reconstruction on the north side of the structure on the approach and suspended spans over East River and maintenance painting inspection. Mr. Remy's responsibilities involved performing as-built revisions to contract documents based on data provided by the field office which included reviewing Engineering Clarification Memos, sketches and consultant issued changes. Client: New York City Dept. of Transportation

Nassau County On-Call Improvements Lido Boulevard, Lido Beach, NY; 10/08-12/08. Inspector. This $3.6-million project involved providing construction inspection services to construct a raised median along Lido Boulevard, a total length of 1.13 miles. The project included rehabilitation of pavement defects and resurfacing entire roadway with a 1 in. thick polymer modified asphalt overlay. The project also involved rebuilding existing traffic signals and installing new signals at three additional intersections. Mr. Remy was responsible for inspection of asphalt placement and concrete pouring along center-median turn lane for the placement of mountable curb, full-depth asphalt repair adjacent to new curb, replacement of existing handicap ramps including installation of detectable warning surface, placement of colored and imprinted concrete sidewalk in new center median, as well as inspection of excavation and payment calculations for all the above mentioned items. Client: Nassau County Dept. of Public Works

Nassau County On-Call Contract for CEI Services to Resurface County Roads, Nassau County, NY; 9/08-10/08. Inspector. This project involved construction inspection services for both night-time and day-time resurfacing of Nassau County roads. Work included milling and asphalt paving of roadways and necessary adjustment of drainage castings for this $3.2-million project. County roads included Franklin Avenue, Hempstead; Denton Avenue, New Hyde Park; Corona Avenue, North Valley Stream; Milburn Avenue, Baldwin. Mr. Remy was responsible for inspection of asphalt placement for road repaving, adjustment of storm drains, replacement of sewer manhole covers and drainage manholes. Client: Nassau County Dept. of Public Works

Lesly Remy
Assistant Office Engineer

Northern State Parkway and Long Island Expressway Interchange Improvements at NY 110, Town of Huntington, NY; 9/07-9/10. Junior Technician. This project included an Environmental Assessment, preliminary and final design, construction documents and construction support for the replacement and widening of the existing NSP Bridge over NY Route 110 and its interchange along with the widening of NY Route 110 from four to six lanes between the LIE and NSP. The project was advanced under three construction contracts: PINs 0112.53, 0516.41 and 0112.56. Mr. Remy's responsibilities included creating general, drainage, landscape, right-of-way, stripping, and environmental plan sheets as well as generating pavement and shoulder estimates on MicroStation. Client: New York State Dept. of Transportation

Traffic Signal Timing and Arterial Optimization, Suffolk County, NY; 11/07-9/10. Junior Technician. This project involved developing timing plans along various corridors using Synchro software to improve control of 500+ signalized intersections. This project improved service to the traveling public along these corridors by improving safety, maximizing signal timing efficiency, coordinating signal timing, and reducing the overall delay on these arterials. Mr. Remy was responsible for data collection used for the optimization/synchronization of traffic signals. Client: New York State Dept. of Transportation

Phase 2 ITS Pedestrian Signal Survey, New York, NY; 1/10-2/10. Junior Technician. NYCDOT installed pedestrian countdown signals at 24 select intersections (one intersection in each borough) as a pilot program. Studies were conducted at all five intersections, both before and after the countdown signals are installed to determine the effects of the countdown pedestrian signal on pedestrian and motorist behavior. Mr. Remy was responsible for pedestrian and vehicle counts to determine the effects of the countdown pedestrian signal on pedestrian and motorist behavior before and after the installation of countdown signals. Client: New York City Dept. of Transportation

West Hudson Reservoirs Speed Study, New York, NY; 6/09-7/09. Junior Technician. The project involved the study of speed limits on New York City owned roadways circumnavigating six mid-state reservoirs west of the Hudson River. Mr. Remy was responsible for the study of roadway to determine the appropriate posted speed limits, inventory of physical and operational conditions including lane widths, sight distances and sign inventory, as well as calculating advisory speed for horizontal and vertical curves in accordance with AASHTO. Client: New York City Dept. of Transportation

Reconstruction of NY 347 from NY 454 to NY 25, Town of Smithtown, NY; 5/08-8/08. Junior Technician. This project involved final design, construction documents and construction support for the reconstruction and widening of NY 347 from four to six lanes between Brooksite Drive and the Smith Haven Mall. The project will be advanced under separate construction contracts including PINs 0054.08, 0054.18 and 0054.20. Mr. Remy was responsible for data collection (measurements, field edits related to basemapping). Client: New York State Dept. of Transportation

Bethpage State Park Bikeway Extension, Nassau County, NY; 5/08-8/08. Junior Technician. This project involved topographic survey, preliminary and final design, and construction documents for this shared use path connecting the existing Bethpage State Park trail and the Syosset Railroad Station. The project has received the 2013 Quality of Life Award from the Long Island ASCE Chapter. Mr. Remy provided concept through final design plans and documents, conducted field surveys to augment existing data and assisted the client in coordination with related agencies, municipalities, and special activity/interest groups. He was responsible for drafting, estimates of pavement/striping/landscape removal and data collection of measurements. Client: New York State Dept. of Transportation

Nassau County Traffic Signal Expansion, Phase 7, Nassau County, NY; 1/08-5/08. Junior Technician. The project involved developing plans, specifications and estimates for the reconstruction of 44 County-owned traffic signals and for the installation of 16.5 miles of fiber optic interconnect cable and conduit. He was responsible for pull box inspection. Client: Nassau County Dept. of Public Works

LPE

Cynthia Ronald

SUMMARY

Oversee 30-40 construction and utility projects' documentation files and procedures to establish and implement contractual protocols successfully with efficiency and within a quality timeframe. Assist Project Managers and Assistant Resident Engineers execute appropriate document procedures, contract background checks, construction workers security access, closeout procedures, and archival of case sensitive documents for timely close out on following projects at LaGuardia Airport such as: Aircraft Rescue Fire Fighting Facility – Building & Technology ($40.6M); High Pressure Water Storage and Pump Station ($15.8M); Removal of Low To High Pressure Crossover connections & installations of backflow ($70.0M)

PROFESSIONAL EXPERIENCE:

Construction Project Services Specialist, PANYNJ Tech Center - Construction Management Division *2011-Present*
LPE Enterprises / Port Authority of NY & NJ
Support the Assistant Chief Engineer of Construction in executing projects from inception to completion.

- Effectively teamed up the with the Engineer of Construction, Contract Administration and the Senior Construction Management Specialist in implementing and updating standards and procedures in the Construction Administration training manual for the Office Engineers within the Port Authority Engineer Department.
- Monitor and prepared an extensive reports on all final audit summary reports of payments made to contractors; analyzing each reports; meeting with Auditors and notifying the Assistant Chief Engineer of all concluded findings.
- Research and interviewed Engineering agency candidates for the opportunity to conduct seminars and training for the Port Authority Field Engineering Inspectors.
- Negotiated a contract with Marzzo Engineering for $2850 for 30 engineers with an offering of 8PDU's. Accredited by both New York and New Jersey, Marzzo Engineering initial price for 30 attendees was $6700.00. Hiring Marzzo Engineering to conduct a seminar with the negotiated rate, I was able to help saved the Port Authority financially and a structured time for all P.A employees to attend and acquire 8PDU's.
- Partnered with the Executive Program Manager for Secure Worker Access Consortium
- (SWAC) to address and resolve default issues with the effectiveness of security background checks, budget cost, and time period of date of contractors agreement with the Port Authority Agency.
- Coordinate and programmed a Contractors/Audit meeting between the Associated General Contractors of America of New York and New Jersey, the General Contractors Association of New York, and the Assistant Chief Engineer to establish a committee in regards to communication barriers, ineffective procedures currently practice, and miscellaneous issues.
- Collaborate with the Assistant Chief Engineer to modify and execute the final publication of the Construction Standards Manual for the Construction Management Division.
- Currently working on a design to re modify the Protégé Mentor Program web page on the Port Authority Enet website with protégés training art gallery, testimonies, and award page; Convinced the Web page department to accelerated the Protégé Mentor web links to the Diversity suppliers link which provides quick access to the Protégé page for mentors, protégés, and potential candidates with interest to the program.

Contracts Administration Specialist, Resident Engineer Office LaGuardia Airport, NY *2006 - 2011*
LPE Enterprises / Port Authority of NY & N.J
Supported the Engineer of Construction, Resident Engineers, Assistant Engineers, and Project Managers in the construction/engineer Division with managing contract procedures to maximize project productivity in a timely manner under government owned agency guide lines.

- Implemented new standard procedure relating to Subcontractor Approval Request form to be adhered by all General Contractor and Subcontractors upon completion of contract award.
- Developed an effective technological system for authorizing Security Construction Identification Badge for over 200 contractors.
- Participated in safety committee meetings, progress meetings, SWAC safety procedures meetings, and closeout meetings; identifying key roles and responsibilities of all parties while keeping Resident Engineer department informed.
- Interfaced continuously with Aviation, Treasury Department, and Contract vendors to address and resolve contract document discrepancies, missing certifications, and insufficient references when conducting background check.

LPE

- Generated, update and tracked all RFIs, NCRs, Submittals and Procurement items with Architects, Engineers and subcontractor to ensure project schedule is met.
- Coordinated and assist project managers of the Aviation department with approval of all project change orders; project closeout, and punch list review with key facilities.
- Tackled and resolve security issues with SWAC managers in response to contract construction employees.
- Created and maintained archival library for 300 contract specification books, Occupational & Maintenance Manuals, conformed and as-built blueprints for aviation and engineer department accessibility.
- Researched and compile accurate data for engineer law department for complex projects under investigation.
- Extensively Assist Project managers and Architects on the ARFF project in executing punch list items, submittal packages, change orders and expediting sensitive documents to finalize project in timely manner.

Office Manager, Dr. Adam Stanger D.C., P.C., *2000- 2006*
New York, NY
Managed overall operations in medical office providing services for up to 120 patients

- Supervised and train office staff, responsible for all accounts payable/ receivable.
- Identified areas of cost savings and / or revenue generation consistent with the business goals. Ensure that revenue flows are in accordance with budgets.
- Recognized for solid technical support capabilities, achieving optimal resolution to clients' problems.
- Implemented numerous practice management techniques and processes, as well as computerized billing, administration, and insurance management systems.
- Increased gross revenue 20% with smaller patient volume through improved bookkeeping and billing practices, oversaw billing and insurance matters.
- Created innovative solutions to receiving denied insurance payments resulting from inaccurate billing procedures that helped resolve outstanding account receivables.
- Designed and applied new forms relating to certification of medical necessity findings in order to increased approvals of medical insurance procedures and ultimately additional revenue.

EDUCATION:

- Metropolitan College of New York, NY, Bachelor of Business Administration - *2007*
- ASA Advance Technology & Medical Institute, NY, Associates Degree of Science - *2002*
  (Major Medical Assistant)

CERTIFICATIONS/TRAINING:

- Electric Power Sales, September 2011 - Medium Voltage Power Cable, Splices & Terminations
- Marzzo Engineering, October 2011 - Analysis of Engineering Disasters, 8PDU's
- Regional Alliances/ PACE University, N.Y. 2010
- Construction Management Certificate
- Cost Estimation Certificate
- Catalyst Business Development/ Project Management, N.Y, N.Y 2009
- Certified Primavera P6 Project Management.
- Trained in Confirm Net/Ebic BPO
- OSHA Certified, 2008

SKILLS:

- Primavera P6 Project Management, Expedition, Live link, Win Trak, MS Office, MS Project, SAP
- Effective contract negotiator; confident self-starter with ambition, initiative & determination to complete projects timely; possess management and leadership ability and is efficient at planning and coordination of activities.
- Basic knowledge of reading and understanding construction drawings

LPE

Adelaida Sanabria

PROFESSIONAL EXPERIENCE

Construction Administrative Specialist, JFK Resident Engineer's Department — *2004 - Present*
LPE Enterprises/Port Authority of NY and NJ

- Assist in Daily Correspondence between Engineer of Construction, Construction Manager, Engineers and Contractors.
- Process Subcontractor's Approval Request ensuring compliance with Port Authority (PA) requirements.
- Compile maintain and distribute PA vehicle Maintenance Logs and Daily Work Schedules to assist in administrative control.
- Maintain Contract Documents and Staff Records for multiple construction contracts.
- Provide data entry and tracking of Time and Material documentation (Wintrak) to assist in maintaining current Contract costs.
- Interact with Contractors and Subcontractor's for Security Construction Cards (C-cards) & maintaining logs, interfacing daily with Contract representative and PA Security representatives to establish and control access to active construction sites.
- Process and ensure regulatory compliance permits for Construction projects that require mandatory permits for site specification construction activities
- Screen and direct telephone calls as required.
- Perform diversified duties to maintain office functionality.

Construction Administrative Specialist — *2001 - 2004*
JFK Redevelopment Program, Airport Access Program, JFK AirTrain
Bechtel Corporation/LPE Enterprises/Port Authority of NY and NJ

- Executive Administrative Assistant for Engineer of Construction
- Screen and direct telephone call
- Maintain EOC's Chrono letter file and Email
- Prepare invoices and Port Authority Procard Citi Statements
- Responsible for setting up phone bill allocation, and administration of phones/listing updates
- Schedules daily appointments, meetings and tours for the Engineer of Construction
- Process approvals of Post Award Contract Changes, Estimates and Invoices
- Conduct and prepare Payment Request and Purchase Orders
- Maintain and Coordinate PA petty cash vouchers
- Conduct reference check and maintain Subcontractor Approval Request Log
- Maintain Documents and Staff Records
- Provide computer inputting of Bills and Documentation (SAP and PeopleSoft)
- Process staff Payroll and weekly report
- Procurement of Office Supplies, Business Cards, Safety Equipment, Printing/Copying services

Construction Administrative Assistant, JFK Redevelopment Program, Airport Access Program — *1999 – 2001*
Bechtel Corporation/LPE Enterprises/Port Authority of NY and NJ

- Processed Post Award Contract Changes, Estimates and Invoices
- Maintained inventory, requisitions and disbursements of all office supplies and equipment.
- Scheduled and maintained vehicle maintenance, records and inventory
- Administration of Vehicles keys
- Provide general Office Administration functions and document control

Office Manager, A.A. Automobile Club of Long Island – Driving School — *1990- 1999*

- Managed Office Operations including financial systems consisting of cash receivable, invoicing and financial reporting.
- Maintained data retrieval systems
- Provide customer interface and educational class roster
- Coordinated instructors schedules

EDUCATION

- LaGuardia Community College, Internship, MTA Dept of Subways, Document Control, 1995-1996
- LaGuardia Community College, Associate Degree in Applied Science, Microcomputer Applications, 1996

SKILLS

- Proficient in MS Word, Excel, SAP, People Soft-Timekeeping, and Wintrak

AMANJOT SINGH

Office/Field Engineer

Dedicated, performance driven and versatile Civil Engineer with experience in the management and supervision in the construction of the heavy civil projects. Experience includes supervising the construction of concrete bridges, trestle foundations for conveyors, asbestos abatement and a variety of building rehabilitation projects. Backed up by strategic planning and proven history of on-time and high quality project completions.

Education
- BS, Civil Engineering, Thapar University, India

Registrations
- Engineer-in-Training (EIT)

Memberships
- American Society of Civil Engineers (ASCE)

Certifications
- OSHA 30 Hour Construction Safety Training Certificate
- ICC Structural Steel and Bolting Inspection Certificate

Software
- Primavera Professional
- Primavera Contract Manager
- MS Project
- PlanSwift
- AutoCAD
- MS Office

The Port Authority of New York & New Jersey (PANY&NJ) – Construction Management Department – NY & NJ
Office Engineer

He provides consulting services in Construction Management Department at the Port Authority of New York & New Jersey. His duties include assisting Resident Engineers in preparing reports, RFI's, change orders and tracking down submittals, works closely with Post Award Contract Changes, attends inter-department monthly progress meetings, manages MEP subcontractors to ensure timely completion as per the baseline schedule and is responsible for preparing the two week "lookaheads". Projects have included:

• George Washington Bridge Bus Station Redevelopment - Assisted in implementing the document workflow for the smooth flow of the project and provided hands-on training to the construction and design division to familiarize them with Oracle Primavera Contract Management, which resulted in reducing the turn-around time for submittal review.

• Newark International Airport - Rehabilitation of Runway 4L-22R and Delay Reduction Initiatives. He prepared the preconstruction documents and provided instructions and training to the contractor and was responsible for supervising the submittal coordinators and tracking down the RFI's and Non-Compliance Notices.

• Bayonne Bridge - Navigational Clearance Program. He was responsible for tracking down the Post Award Contract Changes in addition to other documentation and for maintaining the user access for Oracle Primavera Contract Management.

• LaGuardia Airport - East End Parking Garage – Design and Build. He issued project assignment codes and prepared the monthly assignment report. He also assisted in generating the custom-specific reports as required by Construction and Design departments.

• Port Authority Trans-Hudson - Harrison Station Replacement. He maintained the submittals and RFI's log, assisted the Resident Engineer in expediting the submittal review by ensuring on-time delivery and regular follow ups.

ARK Systems Corporation
Site Engineer

Served as a liaison between the design and planning teams. Handled cost-of-materials estimations, report and document tracking, project documentation, on-site project visits, invoice/agreement verification and building permit applications. Completed design calculations for temporary structures such as scaffolds. Performed quantity calculations for site-grading. Assisted in preparing cost estimates by performing quantity takeoffs. Addressed and tracked RFI's, submittals, change orders and

construction schedules for running projects. Assisted in preparing construction schedule after the award of contract. Tracked daily progress reports of everyday operations to achieve all project objectives.

Reliance Infrastructure Limited
Field Engineer

Responsible for keeping the project on schedule. Ensured compliance of the actual construction with the contract drawings. Maintained daily work logs and related documentation. Prepared material and purchase order requisitions. Addressed RFI's to the Resident Engineer. Assisted in resolving design related issues during the construction phase. Attended progress meetings with the consultants and contractors.

Supervised the construction of 0.7 mile long cast-in-place box girder concrete road bridge. Responsible for monitoring the construction as per the contractual and technical specifications

Gammon India Limited
Field Engineer (Intern)

Assisted the field engineers in performing their day to day activities. Developed a clear understanding with the construction processes and procedures. Prepared the monthly material reconciliation reports for cement and steel reinforcement. Logged daily field reports in the company's reporting system.

LPE

Ewa Szulc

SUMMARY OF QUALIFICATIONS

- Project documentation, financial spreadsheets, data entry, payroll, accounts payable, and accounts receivable
- Experienced in contractor, subcontractor, and vendor billing issues and correspondence
- Coordinated and organized office personnel, and responsible for group productivity
- Skilled with Microsoft Office Excel and Word and familiar with Windows 95, 98, 2000

PROFESSIONAL EXPERIENCE

Office Engineer, Resident Engineer's Office, LaGuardia Airport, NY *2003 – Present*
LPE Enterprises / Port Authority of NY & NJ

- Process all Contractors Payment Applications for Resident Engineer's Office
- Verify all Contractors Payments vs. Memorandum of Justification and of Authorization
- Confirm all PANYNJ Charge Codes vs. Contractors Payments
- Maintain financial database and entry in SAP R/3 Business Enterprise software and PANYNJ Wintrak, a proprietary, cost-monitoring database
- Compile Monthly LGA Construction Division Summary Report in PANYNJ Wintrak
- Update Classified Items entries in PANYNJ Wintrak
- Perform Desk Audit Assessment on time & material billings for work orders, extra work, net cost work, and emergency delays
- Verify all contractors' payments vs. MJ authorization and charge codes and record all contractors payment data in SAP R/3 and PANYNJ Wintrak
- Compose all documentation regarding increases and decreases of monetary funds for extra work, net cost, classified items, and unclassified items
- Handle all documentation regarding contract changes against Memorandum of Justification and against original contract drawings – letter agreements
- Organize all documentation and required forms for contract closeout process
- Prepare and process Pending Item Notifications (PINs), Post Award Contract Change (PACCs) and Contract Change Orders (COs) within PANYNJ Wintrak
- In addition to her Office Engineer responsibilities on 15 other in house contracts, Ms. Szulc currently oversees the Office Engineering tasks associated with:
  - LGA 124.223 – LGA CM General Contracting Services for LGA Capital Infrastructure Program – $174,657,400.
  - LGA 124.201 – Design and Construction of East Parking Garage – $54,176,593.
  - LGA 124.191 –East End Substation – Foundation and Site Utilities $7,700,000
  - LGA 841.101 – Vaughn Collage – $23,973,620.00 (base contract) + $ 2,069,895.00 (value of the extra work)
- Process all school soundproofing payments and process all documentation for closing of school soundproofing contracts.
- Prepare all documentation for direct payments associated with payment applications
- Maintain monthly LGA Construction Report –PA Wintrak Program for all LGA Redevelopment Program Contracts
- Maintain classified items date in PA Wintrak Program
- Perform Desk Audit on T&M Billings (work orders, extra work, net cost work, emergency delays)
- Enter all contractors Payments in SAP program and Wintrak Program
- Prepare and submit all documentation regarding: money increases (decreases) in extra work, net cost, classified items, and unclassified items; net cost conversions and reduction in retainage; letter agreements; contract closeout and electronic closeouts.
- Schedule preconstruction meetings
- Prepare Letter to Proceed for specific Work Orders for Work Orders Contracts

LPE

Bookkeeper, Newtown Creek Water Pollution Control Plant, NY — *2003 – 2003*
LPE Enterprises

Bookkeeper, AP Gas Station Developers, Inc — *1998 – 2002*
50 Division Place, Brooklyn, NY 11222

Office Administrator, Project Development Group, Inc — *1992 – 1998*
759 Hicks Street, Brooklyn, NY 11231

EDUCATION

Bachelors of Science Degree in Textile and Polymer Engineering, evaluated diploma 1993
Textile Engineer-Polytechnic of Lodz, Poland
The Faculty of Textile Engineering and Marketing
Politechnika Lódzka – Technical University of Lodz, Poland

ADDITIONAL SKILLS

- Bilingual – Read, Write, and Speak Polish fluently and English
- Detail oriented, Highly Motivated, Creative, Energetic, Problem Solver
- Teamwork, Quality and Goal-oriented, Attentive, Strong Interpersonal Skills
- Punctual, Responsible, Productive, Quick Learner
- Clean Driver License, Very Dependable and Flexible working hours

Scott Templeton
Office Engineer

Professional Profile
Mr. Templeton has over 11 years of experience on civil design, transportation, and construction engineering projects. He has been involved with assignments ranging from local roadway improvements, airport grading and drainage design, track alignment and layout design for rail yards to construction oversight including office engineering and inspection services for multiple structural improvement projects for the Port Authority of NY & NJ, New York City Economic Development Corporation, MTA Bridges and Tunnels, and the New York City Dept. of Design and Construction.

Proposed Project Assignment
Construction Administrator

Course Work
2014 - NYC DOB 4-Hour Supported Scaffold (2018)
2014 - NYC DOB Confined Space Awareness

Total Years Experience 11

Project Experience
Bayonne Bridge Navigational Clearance Program (BBNCP) Construction Management, NY/NJ; 7/13-Present. Office Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Templeton is working with Port Authority project staff and GPI project management staff to provide critical project progress and cost reporting. This reporting provides upper level Port Authority management with a concise written summary of work completed to date, schedule analysis, cost analysis and visual tracking of work using CADD drawings and digital photos. Also, Mr. Templeton assists with monthly updates of the project's BIM 4D modeling using Synchro and Primavera software. The model is another tool used to communicate project progress to the owner and project stakeholders. Client: Port Authority of NY & NJ

Storm Sewer and Water Main Installation in 58th Avenue, New York, NY; 12/11-7/13. Office Engineer. Mr. Templeton's responsibilities included the review and submittal of contract payments, change orders, account payments, reviewing inspector's daily reports, recording and tracking daily quantities, and preparation of monthly analyses of contractor's manpower reports. Additional responsibilities included reviewing the project baseline schedule and ensuring conformance with contract specifications and maintaining records in strict compliance with contract requirements. Client: New York City Dept. of Design & Construction

Miscellaneous Structural Improvements on the RFK-Triborough Bridge, New York, NY; 5/09-11/11. Office Engineer. Mr. Templeton's responsibilities included review and submittal of contract payments, change orders, RFI's, reviewing inspector's daily reports, recording and tracking daily quantities, and preparation of monthly analyses of contractor's manpower reports. Additional responsibilities included reviewing the project baseline schedule and ensuring conformance with contract specifications and maintaining records using Primavera Contract Manager (web based computerized document control system) in strict compliance with prevailing contract requirements. Client: MTA Bridge and Tunnel Authority

Rehabilitation of Lily Pond Avenue, New York, NY; 12/06-5/09. Office Engineer. Mr. Templeton's responsibilities included review and submittal of contract payments, change orders, RFI's, reviewing inspector's daily reports, recording and tracking daily quantities, and preparation of monthly analyses of contractor's manpower reports. Additional responsibilities included reviewing the project baseline schedule and ensuring conformance with contract specifications and maintaining records using a computerized document control system in strict compliance with prevailing contract requirements. Client: MTA Bridge and Tunnel Authority

Perimeter Security Fence for JFK, LaGuardia and Newark Airports, Various Locations; 10/06-12/06. Construction Cost Estimator. Mr. Templeton's responsibilities included developing cost estimates for client, and reviewing the progress of existing projects to ensure their completion within the parameters of the established project budget. He also conducted initial analysis of drawings and specifications to ensure that required information was provided and also provided narratives for selected portions of a project cost estimate to adequately describe scope and level of quality within an estimate. Mr. Templeton also researched selected products from a cost and constructability perspective and reviewed progress and construction documents for constructability. Client: Port Authority of NY & NJ

Scott Templeton
Office Engineer

Rehabilitation of the Arthur Kill Lift Bridge, NY/NJ; 5/05-3/06. Office Engineer. Mr. Templeton's responsibilities included review and submittal of contract payments, change orders, RFI's, reviewing inspector's daily reports, recording and tracking daily quantities, and preparation of monthly analyses of contractor's manpower reports. Additional responsibilities included review of the project baseline schedule and ensuring conformance with contract specifications and maintaining records using a computerized document control system in strict compliance with prevailing contract requirements. New York City Economic Development Corporation

Rehabilitation of the Safety Areas for Runways 4L-22R, 13L-31R, and 13R-31L at John F. Kennedy International Airport, New York, NY; 12/02-5/05. Civil Engineer. The area investigated extended 500 ft from the runway centerline to a point 1,000 ft beyond the end of the runways. The project involved development of a grading plan compliant with FAA requirements, utility and investigation and design, navigational aid relocation and drainage were the major components of this project. Project work included performing grading and drainage design, preparing requests for topographic and utility surveys, coordinating electrical and landscaping subconsultants and preparing construction cost estimates and specifications. Also included were participation in a value engineering study and a presentation to the FAA. His responsibilities included grading and drainage design and preparation of cost estimates. Client: Port Authority of NY & NJ

Airside Improvements associated with the Construction of Terminal 5 at John F. Kennedy International Airport for JetBlue Airways, New York, NY; 12/02-5/05. Civil Engineer. Mr.Templeton was involved as the airfield subconsultant for the overall construction of a new terminal building and aircraft operations. The project involved performing a visual condition inspection and pavement-coring program of the Terminal 5 aeronautical pavements (PCC and AC pavements) including the design of all airfield earthwork/grading, drainage and paving for this 40+acre apron. An airfield pavement evaluation report was prepared that documented the existing pavement conditions utilizing pavement condition indices (PCI), rehabilitation recommendations and conceptual pavement sections. Mr. Templeton's responsibilities included apron inspection and preparation of airfield pavement evaluation report. Client: Port Authority of NY & NJ

Design Services for Apron Paving of Taxiway DD and Drainage Improvements at LaGuardia Airport, New York, NY; 12/02-5/05. Civil Engineer.Project work included preparing contract drawings for paving an apron area between Taxiway DD and the perimeter dike for use by emergency vehicles to access an aircraft parking area. Design was performed in accordance with current FAA standards for taxiway safety areas and OFA. Responsibilities included grading and drainage design. Mr. Templeton's responsibilities included grading and drainage design of apron area. Client: Port Authority of NY & NJ

Design Services for the Perimeter Intrusion Detection Rapid Deployment Program (PIDS) at John F. Kennedy International Airport, New York, NY; 12/02-5/05. Civil Engineer. This project involved providing investigation and design work for the perimeter intrusion detection and the review of the perimeter security route. The project involved a field inspection to determine perimeter routing conditions and unanticipated problems and review of airport operations, FAA and tenant requirements. Mr. Templeton's responsibilities included field inspection to determine perimeter routing conditions, developing modified airport base mapping with perimeter security line and security equipment installation locations, and preparation of contract documents for the installation of perimeter fence. Client: Port Authority of NY & NJ

Rehabilitation of CTB Ground Level Parking Garage (Lot No. 2) at LaGuardia Airport, New York, NY; 12/02-5/05. Civil Engineer. Project work involved a pavement condition analysis and preparation of rehabilitation alternatives and cost estimates. The rehabilitation alternatives and subsequent construction documents incorporated review of the construction restrictions associated with working in the ground level of the parking garage. An interim repair alternative was progressed to civil design for final construction documents, including plans, specifications and cost estimates. This interim repair incorporated a multi-staged mill and overlay of the entire Level 1. The civil design was coordinated with traffic layout adjustments that were incorporated to improve the parking layout configuration. This project involved extensive coordination with subconsultants, and LGA-OPS, and involved extensive construction staging and maintenance and protection of traffic in a high-volume passenger area. Mr. Templeton's responsibilities included pavement analysis and restoration, construction staging layout and maintenance and protection of traffic plans. Client: Port Authority of NY & NJ

James F. Weber
Chief Office Engineer

Professional Profile
Mr. Weber possesses many years of construction inspection experience relating to the rehabilitation of major bridge and highway structures in the metropolitan area, with a progression towards more complex assignments and challenging responsibilities.

Project Experience
Belt Parkway Bridges Program Management Services, Brooklyn, NY; 5/06-Present. Chief Office Engineer. This project involves program management and resident engineering and inspection services for the rehabilitation/replacement of seven bridges along a 7.5-mile section of the Belt Parkway. Mr. Weber's responsibilities include management of all office engineering functions for the entire Belt Parkway Program. He will draw on his extensive experience from the Williamsburg Bridge Program, which had a construction program value exceeding $1 billion. Mr. Weber manages all office engineers on each of the individual six Belt Parkway Bridges and ensures a cohesive methodology for all office engineering standards, all in accordance with NYSDOT MURK. Mr. Weber works closely with and advises both the program manager and assistant program managers on many technical issues on this project and prepares the majority of correspondences which require action. Mr. Weber also maintains all information databases and scheduling programs in use on this project to track all project submittals including the use a web based field information management system. Client: New York City Dept. of Transportation

Proposed Project Assignment
Construction Administrator

Registration/Certifications
1988/NICET IV
1993/NICET Level IV Highway Construction

Education
MS/1991/Civil Engineering
BS/1983/Civil Engineering
AS/1980/Civil Engineering Technology

Course Work
2009 - 10-Hour OSHA Training Course
2002 - Primavera Expedition Training Course
2001 - NYCT Track Safety Course
1997 - Primavera Project Planner P3, CPM Training Course
NYCDOT Maintenance and Protection of Traffic Trained

Professional Affiliations
American Society of Civil Engineers (ASCE)
Metropolitan Section Construction Group Committee
ABET for Civil and Construction Engineering Technology – Program Evaluator throughout the United States
American Engineering Alliance (AEA)

Total Years Experience 32

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge, Contract 8, #BRC253CCA, New York, NY; 8/03-9/07. Office Administrator. This $280-million project involved the construction engineering and inspection for the rehabilitation of the main bridge. Mr. Weber's responsibilities included overseeing an engineering staff of seven people, managing all office engineering responsibilities and directly negotiating all contract change orders on this project. Mr. Weber worked closely with and advised the resident engineer on many technical issues on this project and prepared the majority of correspondences which required action. Mr. Weber also maintained all information databases in use on this project to track all project submittals. Because Mr. Weber has worked on the Williamsburg Bridge rehabilitation program since its inception, his experience and technical expertise were a valuable resource to NYCDOT and his methodology in organizing and managing a complex construction engineers' field office has become the model for which other NYCDOT projects have emulated. Client: New York City Dept. of Transportation

Williamsburg Bridge North Roadways Reconstruction, Contract 7, #BRC253CA, New York, NY; 12/00-8/03. Office Administrator. This $248-million project involved the construction engineering and inspection for the reconstruction of the north inner and outer roadways. His responsibilities included overseeing an engineering staff of ten people, managing all office engineering responsibilities and directly negotiating all contract change orders on this complex project. Mr. Weber also advised the resident engineer on many technical issues and draws from his experiences from Contracts 4, 5 and 6 to solve many of the project's issues. His responsibilities also included the establishment and maintenance of an extensive computer database system for the tracking and coordination of all project correspondence, submittals and payments. Client: New York City Dept. of Transportation

James F. Weber
Chief Office Engineer

Williamsburg Bridge BMT Structure Rehabilitation, Contract 6, #BRC253BBA, New York, NY; 7/98-12/00.As office administrator, Mr. Weber was directly responsible for the office administration of this $176-million reconstruction program of the Williamsburg Bridge. Mr. Weber oversaw an office staff of ten people. Due to the critical scheduling of this project and the extreme importance of project communications, Mr. Weber spent the majority of his time coordinating the resolution of project technical issues and overall schedule management for the project. This involved daily contact with the numerous subconsultants who were involved in specific areas of this project, and reviewing all issues prior to communicating a formal response back to the contractor, reviewing and approving contractor submitted schedules and analysis of contractor claims. Client: New York City Dept. of Transportation

Williamsburg Bridge South Roadways Reconstruction, Contract 5, #BRC253BAA, New York NY; 1994-7/98.As office administrator, Mr. Weber was directly responsible for the office administration of this $310-million reconstruction program of the Williamsburg Bridge. Mr. Weber oversaw an office staff of 14 people. Due to the critical scheduling of this project and the extreme importance of project communications, Mr. Weber spent the majority of his time coordinating the resolution of project technical issues and overall schedule management for the project. This involved daily contact with the numerous subconsultants who were involved in specific areas of this project, and reviewing all issues prior to communicating a formal response back to the contractor, reviewing and approving contractor submitted schedules and analysis of contractor claims. Mr. Weber also worked directly with the NYCDOT Bureau of Bridges to assist in the establishment of a uniform construction field office administration policy. This included being the Bureau of Bridge's representative in the development of a state-of-the-art computerized construction payment system. Client: New York City Dept. of Transportation

Williamsburg Bridge Main Cable Rehabilitation, Contract 4, #BRC253A, New York, NY; 1991-1994. As office engineer for this $88-million cable rehabilitation project, Mr. Weber's specific responsibilities involved the supervision of all field office operations in accordance with NYSDOT MURK and NYCDOT. At the request of NYCDOT, Mr. Weber lectured at training sessions for EEO Utilization and Disadvantaged Business Enterprises on federally funded construction projects. In addition, Mr. Weber prepared and negotiated all contract change orders and to date has prepared over $17.1-million in extra work. Mr. Weber has also written procedures and guidelines for the Bureau of Bridges/Bridge Construction Group on the following topics: Preparation of Construction Change Orders, Contractor Progress payment requirements, Record Keeping on a Time and Material Basis, High Strength Bolt Sampling, Testing and Inspection, Construction EEO Goal Requirements and Monitoring, and Field Office Record Keeping Procedures. Client: New York City Dept. of Transportation

Interborough Parkway Inspection, #D252310, Glendale, NY; 1988-1991. As office engineer on this $48-million highway and bridge reconstruction project, Mr. Weber was in charge of all field office operations, in accordance with NYSDOT MURK requirements. He used state-of-the-art computerized project management software to monitor the construction schedule. He also utilized microcomputers in the field office to track submittals, correspondence, and shop drawings utilizing one master database. He processed the contractor's estimates using the NYSDOT CEES program (Computerized Engineers Estimate System), and wrote status reports for the owner, tracking progress, work performed, and the forecasting of all potential problems. Client: New York State Dept. of Transportation

Manhattan Bridge New Maintenance - Main Cable and Cable Anchorage Rehabilitation, Chamber C, New York, NY; 1985-1988. As office engineer for this rehabilitation project, Mr. Weber's responsibilities included processing contractor monthly estimates including partial payment requests, reviewing quantities on Inspector's Daily Reports, establishing a filing system utilizing microcomputers, the review logging and distribution of all correspondence and contractor's submittals, procurement of office and safety supplies for inspectors, creation and maintenance of the computerized shop drawing log, process of Orders-on-Contract, and review contractor and subcontractor's payroll and EEO submittals. Mr. Weber served as liaison between the contractor and the engineer-in-charge and assisted the resident engineer with all administrative duties. As an inspector, Mr. Weber was involved in the installation of structural steel components including the erection of steel grid decking, shear stud connectors, bridge drainage systems and structural steel framing members. Client: New York State Dept. of Transportation

RESUMES

SCHEDULERS / COST ESTIMATORS

Resumes are presented in alphabetical order

YULEE ARONSON, PE

Project Manager

Yulee Aronson has more than 30 years of Construction Management and Project Controls experience in the construction industry. As a licensed professional engineer, he has worked as a chief operating officer, chief estimator, scheduler, and project controls manager. Yulee's experience includes construction management, operations management, hard-bid and budget estimating; project planning, scheduling, and controls; managing airports, rail and transit, waste water, transportation; bridges, tunnels, heavy construction, and highways and industrial, commercial, residential, institutional, and educational facilities.

Education
- BS, Engineering Administration, Worcester Polytechnic Institute

Registrations
- Professional Engineer (NY, PA & CT)

Memberships
- Association for the Advancement of Cost Engineering
- Society of Value Engineers

The Port Authority of New York & New Jersey – LGA Airport Delta Terminals C&D Renovations – New York, NY
Estimator/Assistant Program Manager

Construction of connectors and new baggage systems. Code and agency directed updates. Working remotely Yulee is responsible for preparing and negotiating change orders while managing contractors' project delivery pace.

State of Hawaii – Honolulu International Airport Terminal Modernization – Honolulu, Hawaii
Chief Estimator

The State of Hawaii's Department of Transportation, Airports Division $1.7 billion Honolulu International Airport's Terminal Modernization Program involves expanding and renovating the passenger concourses to improve passenger service and increasing security and operation efficiencies. Parsons has been contracted to provide program management services, which entails program coordination and oversight of all planning, architecture, and engineering and construction activities. The project scope includes, but is not limited to, project and program controls, contract administration, progress payment validation, claims avoidance, project safety assessments, quality assurance, financial and progress reporting, cost validation and estimating, change order control and negotiations, financial quantities and contract amounts determination, planning support and design management, and contract closeout and warranty support.

Yulee Aronson prepared the detailed structural budget estimate at various stages of design.

Denver International Airport Authority –Denver International Airport – Denver, CO
Chief Estimator

The project involves Terminal Expansion, Hotel Construction, Rail Link Extension, and Signature Bridges. Yulee Aronson prepared the detailed budget estimate and life cycle analysis for Signature Bridges at concept.

World Airports – Tom Bradley International Terminal, Construction Management – California
Chief Estimator

The $723.5 million renovation, considered the largest individual project in the city of Los Angeles' history, includes major interior renovations; the installation of an in-line, checked-baggage security system; and the construction of boarding gates for new large aircraft while keeping the one million sq. ft. terminal fully operational. Construction management services for the project include design review; cost, budget, and schedule control; value engineering; quality assurance; operational planning; constructability reviews; safety and security management; contract administration; claims assessments; contract close-out and warranty support; and facility start-up and turnover. Yulee Aronson was responsible for preparing detailed estimates for various change orders, bulletins, and ROMs valued at more than $100 million.

Parsons – New York, NY

Yulee Aronson provides construction management, estimating and scheduling support to all Parsons' global business units in all geographic areas on as-needed basis. Construction types include bridges, airports, waste water treatment facilities and rails. Management includes establishing budgets and hard-bid proposals, negotiations with clients and subs, preparation of contracts, establishing and managing schedules, estimating and negotiating change order.

CalTrain – CalTrain PTC – San Francisco, CA
Operations Manager

Design Build of Positive Train Control System for Caltrain. While on short term assignment Yulee is responsible for buying out, negotiating, procuring and managing subcontractors, coordinating with design and construction leads to make sure the work progresses in the most efficient manner. Solves problems and resolves issues to facilitate project delivery.

New York City Department of Environmental Protection – Sandy Recovery Work for 30 Pumping Stations – New York, NY
Project Controls Manager

The work included recovery of 30 and repair of 6 pumping stations damaged by the storm. Acting as the Assistant to the Construction Manager managed day-to-day construction operations as well as maintained project schedules, documentation and reporting for the Client. Assisted in document preparation for FEMA reimbursement.

Triboro Bridge and Tunnel Authority – TN-49 Seismic Study and Suspended Span Deck Replacement, Feasibility Study for the Throgs Neck Bridge – New York, New York
Chief Estimator

The project involves a seismic investigation of the entire Throgs Neck Bridge, which includes a deck replacement study, conceptual design, and required utility relocation for the suspended spans. Yulee Aronson prepared the detailed budget estimate at final design.

New York City Department of Transportation – Williamsburg Bridge, Reconstruction – New York, New York
Chief Estimator & Scheduler

The project involves construction support services, which entail strengthening and reinforcing structural members of main tower columns and main stiffening truss members; seismic retrofit of intermediate tower bases; new maintenance travelers, platforms, hoisting systems, and adjustment of suspender lengths; installation and integration of the Intelligent Transportation System (ITS) at the Traffic Management Center; intelligent traffic operation signals and lane control signals; and the study and design of contraflow scheme using a movable barrier and barrier transfer machine, including a new storage and maintenance facility. A bearing replacement at intermediate towers (PP 10 and 15) was added to the contract. Yulee Aronson prepared detailed estimates and schedules for various change orders.

Miami-Dade Transit Authority – Miami Rail Yard – Miami, Florida
Chief Estimator

The project involves final design and design services during construction for the North Corridor Metrorail Extension of the Miami Heavy Rail System. The 9.5-mile elevated, double track rail extension includes seven stations serving the NW 27th Avenue corridor, northern Miami-Dade County, Opa-Locka, Miami Garden communities, Miami-Dade College North, the Calder Race Track, and Dolphin Stadium. Yulee Aronson prepared the quantity take-offs and pricing required for developing the design development cost estimate of work for new maintenance and storage tracks.

Robert Baranowski, P.E.
Senior Design Engineer

Professional Profile
Mr. Baranowski is a senior design engineer who has diverse experience in all aspects of civil engineering. He has engineered various civil and site improvement projects ranging from large drainage infrastructure, utilities, and local streets to large urban highways. Mr. Baranowski also has extensive experience in the development of highly accurate electronic topographic mapping and the development of digital terrain models. Mr. Baranowski has evaluated project site hydrologic and hydraulic conditions, analyzed and designed complex drainage systems, and has prepared contract documents and technical specifications for a wide variety of civil construction projects. He has evaluated and designed many utility installations including public water, sanitary sewer, electric, telephone, and natural gas relocations. Mr. Baranowski is capable of using current computer-aided design technology in the development of contract design documents.

Proposed Project Assignment
Cost Estimating

Registration/Certifications
1991/Professional Engineer/NY
2014/Professional Engineer/IN

Education
BS/1986/Civil Engineering

Total Years Experience 28

Project Experience

Port Authority On-Call Construction Management, George Washington Bridge Lighting and Electrical Facilities Upgrade; Work Order 2TO; Contract No. MF-202.901; 9/03. Senior Engineer. Mr. Baranowski developed a comprehensive lighting and electrical improvements construction cost estimate to support the Client's review of an estimate submitted by an on-site construction contractor. Client: Port Authority of NY and NJ

Manhattan Bridge Rehabilitation of North Spans over East River, Contract 10, New York, NY; 11/03-11/08, 3/09-6/09. Senior Engineer. This project involved REI services for the reconstruction on the north side of the structure on the approach and suspended spans over the East River and maintenance painting inspection. Mr. Baranowski was responsible for the complete development of the as-built record plans. As-built information recorded on paper prints by field personnel was incorporated into the project's electronic drawing files. The project's electronic drawings were modified to accurately reflect the extensive and complex structural rehabilitation work performed on the Manhattan Bridge's North Spans. Mr. Baranowski developed all necessary proposal materials and solicited bids from various contractors for the digital archiving of the project's voluminous record plans. Mr. Baranowski also developed an independent cost estimate to support NYCDOT's review of the bids received and its selection of the appropriate contractor to perform this vital task. Client: New York City Dept. of Transportation

Manhattan Bridge Painting and Interim Rehabilitation, Contract 8C, New York, NY; 10/02-12/03. Senior Engineer. This project involved CEI for structural rehabilitation of the west side of the bridge and suspension system, plaza areas on the approaches and anchorages and rehabilitation of anchorages. Work also involved the 100% removal of existing paint and recoating of the west side of the bridge, both towers, and two of four cables. Mr. Baranowski was responsible for the complete development of the As-Built Record plans. The As-Built information recorded on paper prints was incorporated into the project's electronic drawing files. The project's electronic drawings were modified to accurately reflect the major structural rehabilitation work performed on the Manhattan Bridge. In the development of the Record Plans, extensive modifications were made to the utility-related drawings to indicate the actual location and magnitude of the utility installations executed on the Manhattan Bridge. Mr. Baranowski developed all necessary proposal materials and solicited bids from various contractors for the digital archiving of the project's voluminous record plans. Mr. Baranowski also developed an independent cost estimate to support the client's review of the bids received and its selection of the appropriate contractor to perform this vital task. Client: New York City Dept. of Transportation

Long Island Expressway Noisewall Design - RDSA #5, Roslyn Heights, NY; 11/06-6/08. Project Manager. The project involved highway design Phases V and VI for the installation of a noise barrier on the Long Island Expressway corridor in Roslyn Heights. Mr. Baranowski was responsible for the establishment of noise barrier alignments, development of work zone traffic control, coordination with team subconsultants, and preparation of the project plans and specifications. Mr. Baranowski developed and supervised the development of the detailed construction cost estimate. He developed the comprehensive work zone traffic control cost estimate. Mr. Baranowski compiled, reviewed and transmitted construction cost estimate data to support the client's procurement of the appropriate project construction funding. Client: New York State Dept. of Transportation

Robert Baranowski, P.E.
Senior Design Engineer

Long Island Truck-Rail Intermodal Facility, Brentwood, NY; 4/04-8/07. Senior Engineer. This project involved preliminary design, environmental analyses, and the Environmental Impact Statement (EIS) for a proposed intermodal transportation facility and its highway connections with the LIE, Sagtikos Parkway and Crooked Hill Road. Mr. Baranowski was responsible for the preliminary design of arterial access and intermodal yard circulation roadways for this proposed 120-acre intermodal freight transportation center. Alternatives involved reconstruction of the Sagtikos State Parkway and its interchange with the Long Island Expressway (I-495). Mr. Baranowski also designed a comprehensive preliminary drainage system. Mr. Baranowski developed comprehensive construction cost estimates for all of the various arterial access alternatives investigated. Client: New York State Dept. of Transportation

Roadway Reconstruction in the Wellington-Heathcote Roads Area, Elmont, NY; 9/06-10/06. Design Engineer. This project involved a topographic survey, final design, construction documents and construction inspection for the reconstruction of six residential roadways located in Elmont, NY. Mr. Baranowski was responsible for the development of the contract drainage and utility plans with the goal of minimizing/avoiding potential utility conflicts. Mr. Baranowski was also responsible for the development of the construction cost estimate for this municipal project. Client: Town of Hempstead Engineering

Expanded Project Proposal (EPP) for CR 3 Pinelawn Road, Melville, NY; 1/02-2/02. Design Engineer. This project involved an Expanded Project Proposal and preliminary design for the widening and rehabilitation of CR 3 between Ruland Road and the Long Island Expressway. The project included evaluation of at-grade and grade-separated alternatives at the intersection with Ruland Road. Mr. Baranowski was responsible for developing several CR-3 alignment alternatives for presentation in the Expanded Project Proposal (EPP). Additionally, Mr. Baranowski was responsible for preparing preliminary construction cost estimates for the various EPP alternatives and developing the associated right-of-way acquisition/easement costs for each alternative. Mr. Baranowski also compiled and prepared responses to NYSDOT comments on the draft EPP. Client: Suffolk County Dept. of Public Works

Bayville Road Study, Bayville, NY;2/96-7/97. Design Engineer. This project involved horizontal and vertical alignment study of Bayville Road to eliminate tidal flooding. The project also involved the study of alternate methods of erosion control and shore protection of existing roadway. The project also involved conducting studies and preparing a report to describe improvements to be made to Bayville Avenue which would raise it above the flood plain. Mr. Baranowski was responsible for the generation of several roadway AASHTO-compliant horizontal and vertical realignments to mitigate flooding conditions along this coastal evacuation route. He was also the chief author of the "Report for the Supplemental Study of Bayville Road/Bayville Avenue". He worked on all components of the report including roadway geometrics, drainage, and ROW impacts. Mr. Baranowski also developed detailed construction cost estimates for each of the alternatives investigated and presented in the project reports. Client: Nassau County of Dept. of Public Works

Mill and Fill, I-495 NYC Line to Exit 37 (Willis Avenue), Assignment #2, Queens/Nassau County, NY; 5/13-9/13. Senior Design Engineer. The proposed work included a 2-in. pavement milling of the existing asphalt riding surface, some isolated full-depth composite pavement or full-depth asphalt repairs, new top course asphalt resurfacing and new pavement markings. The asphalt resurfacing was a 2-in. overlay hot mix asphalt. Drainage work was limited to frame and grate adjustments for frames that were broken, or grates that were low prior to resurfacing, as necessary. This mill and fill project did not change the profile grades so drainage flows and grate elevations are not affected. The centerline length of the project was 4.3 miles or 42.9 lane miles, with an additional four miles of ramps. Mr. Baranowski conducted a comprehensive pavement inspection/evaluation of the LIE corridor and identified the types of pavement repairs warranted. He was also responsible for the development of multi-staged site-specific Work Zone Traffic Control strategies. Mr. Baranowski was responsible for all coordination with the NYPD pertaining to the need for NYPD Traffic Enforcement Agents during the project's construction. Mr. Baranowski was also responsible for coordinating and developing cost estimates for administering the use of NYPD Traffic Enforcement Agents during the project's complex nighttime work zone traffic control stages. Mr. Baranowski also developed detailed nighttime work zone traffic control cost estimates for each of the project's multi-staged nighttime operations. Client: New York State Dept. of Transportation

Thomas English, P.E.
Structural Engineer

Professional Profile
Mr. English is a structural engineer with eight years of bridge rehabilitation and design experience including in-depth inspection and construction inspection performed on highway, street, movable, and suspension bridges across New York City, Long Island, New Jersey, and Connecticut.

Project Experience
Belt Parkway Bridges REI Services - Gerritsen Inlet Bridge, Brooklyn, NY; 3/14. Structural Engineer. This project involved total replacement of Gerritsen Inlet Bridge on the Belt Parkway in the Borough of Brooklyn. The major work included removal and disposal of main spans including concrete deck, steel girders, floor beams and stringers, approaches, concrete superstructure, closure walls, timber piles, concrete piers, pier caps, columns, abutments, wingwalls, street lighting, transformer room, transit ducts, steel conduits, navigation lights, and trees and vegetation. Mr. English was responsible for quality assurance concrete field testing of structural concrete during placement of the new abutments, wingwalls and center pier. His duties included preparing written reports to document the test results in accordance with NYCDOT and ACI reporting requirements. Client: New York City Dept. of Transportation

Proposed Project Assignment
Scheduler

Registration/Certifications
2013/Professional Engineer/NY
2013/NJ Transit Safety Training, Roadway Worker Safety/NY
2014/FHWA Safety Inspection of In-Service Bridges/MO

Education
BS/2006/Civil Engineering Technology
AAS/2004/Civil Engineering Technology

Course Work/Training
2014 - Planning and Scheduling with Primavera P6
2012 - Staten Island Railway Roadway Worker – Basic Certification
2012 - CSX On-Track Worker Safety Training
2012 - Amtrak Track Safety Trained
2011 - NYCT Track Safety Certified Trained
2009 - 10-Hour OSHA Training Course
2006 - ASCE Winter Concrete Training Course
2006 - ACI Concrete Field Testing Technician - Grade 1 Trained

Professional Affiliations
American Institute of Steel Construction - #[redacted]
American Society of Civil Engineers - #[redacted]

Total Years Experience 8

Project 102-300 - Painting and Rehabilitation of Bridge No. 02295, Route 136 over the Norwalk River, Route 136 Norwalk, CT; 11/08-4/09. Inspector. This project involved the rehabilitation of a lift bridge crossing the Norwalk River. Rehabilitation included abrasive blast cleaning, surface preparation and application of new paint coatings for entire bridge structure, structural steel repairs, relocation of bridge weights and interim/final balancing of bridge, removal and replacement of lock bars and live load shoes, removal of existing bridge drainage system, concrete surface variable depth patch repair, masonry repointing and repair of slope paving (embankment) grade, upgrade of bridge electrical and control system, removal and replacement of traffic signals, refurbishment of electric drive motors (prime and auxiliary), miscellaneous control house renovations and maintenance and protection of traffic implementation. Mr. English's responsibilities during this project included coordination of field inspection efforts to meet the contractor daily schedule of work operations (including review of daily and two-week look-ahead construction schedules); performing quality assurance oversight of the contractor's daily work activities for compliance with ConnDOT Standard Specification Form 816, Special Provisions, and all applicable standards; review of shop drawings and submittals; development and calculation of independent cost estimates for change order work activities; inspection of materials for conformance with ConnDOT and applicable specifications and plans; and collection of samples of materials for quality assurance testing. In addition, he was responsible for providing daily quality assurance inspections during all contractor work activities, including: existing Dolphin pile rehabilitation involving timber pile driving with point reinforcement; timber walkway removal and replacement; galvanized steel cable wraps and fastener installation; retractable platform modifications; removal of existing safety railing and installation of OSHA approved steel pipe railing; repair of cracked welds on existing aluminum bridge rail posts; cantilever slab reinforcement and installation of protective anchorage covers; and the removal of existing machine air breathers and replacement with new hygroscopic breathers. Mr. English also inspected multiple work items using time and material protocol, reviewed certified payroll sheets, and prepared manpower, material and equipment (Con-9) tracking sheets; and utilized the Site Manager recordkeeping database for preparation of Daily Work Reports (DWRs) and monitoring of work in progress. Client: Connecticut Dept. of Transportation

Thomas English, P.E.
Structural Engineer

Bronx-Whitestone Bridge Cable/Suspender Rope Rehabilitation, BW-85/86/WBM-339, Bronx, NY; 6/08-11/08. Inspector. This project involved construction management and inspection services for protective coating removal and re-application, and cable/suspender rehabilitation at the Bronx-Whitestone Bridge. Mr. English's responsibilities included performing daily quality assurance inspections during the installation of temporary tower scaffolding and all structural supporting members; conducting a quality-based condition survey of the tower interior cells existing coatings and inspection during the cleaning, preparing and painting of these corroded areas in accordance with SSPC standards and Occupational Safety and Health Administration (OSHA) guidelines, and the monitoring of main cable wire replacement at select locations per TBTA contract specifications and guidelines. He was also responsible for coordinating and providing daily inspection of set-up and removal of MPT schemes per approved MPT plans and NYSDOT guidelines. Additionally, Mr. English attended progress and technical meetings with contractor and client representatives, and developed and maintained daily progress quality assurance reports and progress payment records, and ensured that all work as performed in accordance with TBTA and NYSDOT applicable specifications and standards, and performed equipment calibration inspection (per NYSDOT Steel Construction Manual) and technical review of material product data sheets and material safety data sheets (MSDS). Client: Triborough Bridge and Tunnel Authority

Manhattan Bridge Rehabilitation of Lower Roadways, Contract 11, #BRC156A, New York, NY; 5/06-6/08. Mr. English served as an inspector on this $150-million construction project, including; removal and replacement of floorbeams, stringers, bearings and deck in main span and side spans; rehabilitation of anchorage chambers; installation of new lighting and traffic signs on lower roadway; rehabilitation of travelers in suspended spans; replacement of maintenance platforms at towers; painting of bridge in suspended and approach spans; and repair of flagged conditions. Mr. English's responsibilities included performing daily quality assurance inspection for the rehabilitation of the Traffic Signalization System; replacement of communication cable and integration with existing ITS; and installation of electrical conduit, wiring and boxes for new lower roadway lighting system; all in accordance with the National Electric Code and NYSDOT code specifications. In addition, he was responsible for performing quality assurance inspections for structural steel replacement including floorbeams, stringers, stringer bearings, lateral bracings, and maintenance platform hangers - in accordance with the requirements of the NYS Steel Construction Manual. His duties also included providing quality assurance inspections during the installation and monitoring of new elastomeric bearings in accordance with NYSDOT Standard Specifications tolerances; performing steel surface preparation inspection per the Society for Protective Coatings (SSPC) guidelines; performing torque testing inspection in accordance with NYS Steel Construction Manual requirements; and providing written recordkeeping of daily work progress including installed material quantities per Manual of Uniform Recordkeeping (MURK) standards. Client: New York City Dept. of Transportation

Replacement of County Road 67, Motor Parkway Bridge at the LIE, Exit 55, Town of Islip, NY; 11/10-1/11. Junior Structural Engineer. This project involved a two-stage replacement of the existing 50+ year-old, four-span bridge with the new structure. The new bridge consisted of a two-span steel frame composite with the concrete slab with integral wearing surface. As a certified level 1 ACI Concrete Field Technician, Mr. English was responsible for quality assurance concrete field testing of structural concrete during placement of the new abutments, wingwalls and center pier. His duties included preparing written reports to document the test results in accordance with NYSDOT and ACI reporting requirements. Client: Suffolk County Dept. of Public Works

Eight Bridges Component Rehabilitation, HBCR02B, Various Locations, NY; 6/11-Present. Structural Engineer. This is a total design and construction support services contract, which includes the in-depth inspection of eight bridges, preparation of a Bridge Rehabilitation Report (BRPR), preparation of preliminary and final design plans, specifications, and Engineer's estimate, bidding assistance to the city, and Construction Support Services. During the preliminary design phase, Mr. English assisted in performing the in-depth field inspections, and identifying substandard conditions and defects of the existing bridge components in accordance with the NYSDOT Bridge Inspection Manual. He also prepared Bridge Reconstruction Project Reports (BRPRs) to document the deficiencies and provide cost effective design solutions. His responsibilities also included developing the schedule and coordination of MPT (in accordance with NYSDOT guidelines) with suppliers and clients required to perform in-depth bridge inspections. Client: New York City Dept. of Transportation

Leonard Holland
Estimator/Inspector

Professional Profile
Mr. Holland is an electrical engineer experienced in all phases of new and renovated construction for commercial and residential projects. He has provided estimating services on many projects for the Port Authority.

Proposed Project Assignment
Estimator/Inspector

Education
BS/1986/Electrical Engineering

Course Work
2013 - 4-Hour MTA/LIRR Roadway Worker Protection Training Course
2011 - 4-Hour Supported Scaffold User
2010 - 10-Hour OSHA Training Course

Total Years Experience 31

Project Experience
2011-2014 Port Authority On-Call Construction Management Services - John F. Kennedy International Airport, Queens, NY; 9/11-Present. Estimator/Inspector. As part of this on-call construction management services project, Mr. Holland is assigned to projects at JFK Airport. This project involves inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes; documenting and maintaining daily narratives on contract projects; reviewing plans, specifications and shop drawings, processing and reviewing contractor submittals, change orders and estimates; interacting with architects, engineers, contractors and Port Authority officials; and coordinating scheduled electrical shutdowns with Port Authority Electrical Shop and various departments. His responsibilities include review of contractor's change order proposals; review of design and specification documents on projects; generating MEP estimates for projects and change orders; performing job site inspection to ensure that construction complies with the design drawings and specifications; performing final inspection of construction work at job site for completion; and providing general field/office support as required.

Specific assignments and responsibilities include:

- **Delta Air Lines – Terminal 4 International Air Terminal Headhouse Expansion at JFK, Jamaica, NY**; 2011-Present. Project Inspector. This $185-million project is part of a $1.2-billion expansion to accommodate Delta's international operations and provide a state-of-the-art facility at Terminal 4. The project extends the headhouse on the east and west side of Terminal 4 with additional baggage handling areas, new stair towers at both end of the terminal, and a new curbside enclosure. Interior scope includes the modifications of the baggage handling system, new vertical circulation including escalators, stairs and elevators, new security screening platform over third floor retail area, modifications and renovations of building areas. Mr. Holland is responsible for daily inspections to evaluate the project completion and compliance with Port Authority standards.

Client: Port Authority of NY & NJ

2006-2010 Port Authority On-Call Construction Management Services - John F. Kennedy International Airport, Queens, NY; 10/09-9/11. Estimator/Inspector. As part of this on-call construction management services project, Mr. Holland was assigned to projects at JFK Airport. The Port Authority supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. His responsibilities included review of contractor's change order proposals; review of design and specification documents on projects; generating MEP estimates for projects and change orders; performing job site inspection to ensure that construction complies with the design drawings and specifications; performing final inspection of construction work at job site for completion; and providing general field/office support as required.

Leonard Holland
Estimator/Inspector

Specific assignments and responsibilities included:

- **AirTrain Terminal at Jamaica Station, Jamaica, NY**; 2004-2009. MEP Cost Estimator. This was a $350-million project that involved a seven-story terminal building, mezzanine bridge, enclosure roof, westerly bridge and new street concourse along Sutphin Boulevard. He was responsible for generating MEP estimates, change order review and providing job site inspections.

Client: Port Authority of NY & NJ

Various New York City Board of Education Projects, New York, NY; 1999-2003. Assistant Project Manager. This $3-million renewable, term contract involved providing construction management services on Board of Education maintenance work at all schools in New York City. He surveyed work sites for detail description of work; composed unit price estimates based on field surveys; wrote proceed orders for contractors; processed contractor requisitions and change orders; supervised and assigned workloads to site managers; had daily interface with contractors for updated progress reports; and maintained all tracking logs and files. Client: New York City Board of Education

Mr. Holland served as an independent electrical consultant/contractor, providing electrical estimates for home improvement; 1995-1999.

Mr. Holland served as an assistant project manager responsible for managing electrical installations in new construction and alteration projects; coordinating with field personnel to evaluate and resolve problems in the field; supervising draftsmen in the design of shop drawings and directed the take-off of drawings; preparing material and labor estimates, change order estimates and monthly client billing requisitions; filing and obtaining permits for all electrical installations with various New York City agencies; and attending weekly coordination meetings with senior-level management. Projects included Worldwide Plaza, a commercial, residential and recreational complex and Carter Wallace; 1988-1995.

Mr. Holland served as an assistant project manager where he generated project shop drawings; prepared equipment takeoffs and estimates; initiated progress payment requisitions; recommended materials procurement and managed vendors; and attended weekly job site and project coordination meetings. In addition, he compiled project cost data for entry into client billing database; and identified system default, which resulted in system reprogramming and subsequent recovery of potentially lost revenue. Projects included Long Island Jewish Hospital Cancer Care Center; Brooklyn Botanical Gardens; and Rikers Island; 1986-1988.

Skills
Valid NYC Site Safety Manager License
Proficient in Microsoft Word, Microsoft Excel and Internet applications
Solid understanding of contracts, plans, and specifications

DAVID KIRK, AIA CCC CCS CVS-LIFE LEED AP BD+C

Senior Estimator

Mr. Kirk has extensive, in-depth professional construction industry experience, having served in the following positions: Senior Project Manager, Architect, Planner, Urban Designer, Manager of NY Region Aviation Projects, Chief of Construction Contract Procurement, Chief Estimator, Value/Risk Manager/Analyst, Senior Estimator, Senior Scheduler, Assistant Construction Manager, FTA Project Management Oversight Consultant, Value Engineering/Constructability/Risk Manager, Project Controls Manager and Senior Naval Officer (Retired).

Mr. Kirk has served in the above positions for capital program construction of major transportation facilities and urban designs including but not limited to: airport terminal/airside/landside facilities, rail/light-rail/automated transit systems, waterfront development, port facilities, bridge/tunnel facilities, bus terminals, high-speed rail systems, water/waste water facilities, high rise office towers, parking structures, bridge/tunnel operations, and educational, justice, and municipal facilities.

The Port Authority of New York & New Jersey (PANY&NJ) George Washington Bridge Toll Plaza Rehabilitation – Fort Lee, NJ
Chief Scheduler & Estimator

Provided the cost estimate, engineer's estimate, and schedule for the rehabilitation of the toll plaza and conversion to an EZ Pass toll operation at the George Washington Bridge in Fort Lee, NJ. The project included complex phasing and staging of construction to maintain ongoing toll facility operations.

Metropolitan Transportation Authority (MTA) Bridges & Tunnels (B&T) – Brooklyn Battery Tunnel Facilities Building Restoration – New York, NY
Chief Estimator

Prepared the cost estimates and schedules for the $20 million rehabilitation of the operations facility for the Brooklyn Battery Tunnel between the Island of Manhattan and Brooklyn, NY. The project involved extensive interior and exterior rehabilitation of the 50-year-old landmark structure and a complex staging plan to maintain ongoing operations.

Metropolitan Transportation Authority (MTA) Bridges & Tunnels (B&T) – Matrix Sign Replacement – New York, NY
Chief Estimator

Developed the cost estimates and schedules for the $30 million replacement of the matrix signs at all 12 Bridge & Tunnel maintained facilities. The project involved extensive modifications to the toll facility structures and a complex staging plan to maintain ongoing operations.

The Port Authority of New York & New Jersey (PANY&NJ) – John F. Kennedy International Airport (JFK) Capital Construction Program – New York, NY
Manager of Projects

Supervised engineering project managers involved in all capital construction for landside, airside, and terminal projects. Projects managed by Mr. Kirk included the design and construction of the Crash-Fire-Rescue Police Facility, the conversion of the 500,000 square foot Building 14 hanger/airline operations facility for adaptive reuse, a new general aviation facility, runways/taxiways, parking facilities, and upgrade of the Federal Aviation Administration (FAA) Building.

Key Qualifications
- ✓ Expert in Cost Estimating & Management
- ✓ Certified Value Specialist

Education
- MA, Architecture, Columbia University
- BA, Math & Physics, Columbia College
- Fellowship Studies in Urban Design, University of Urbino, Italy

Registrations
- Registered Architect (NY)
- Certified Cost Consultant
- Certified Construction Specifier
- Certified Value Specialist
- LEED AP BD+C

Memberships
- American Institute of Architects (AIA)
- Society of American Value Engineering (SAVE)
- Construction Specification Institute (CSI)
- Society of American Military Engineers (SAME)
- American Association of Cost Engineers (AACE)
- Naval Reserve Association (NRA)
- Navy League
- Naval Order

Software
- Primavera P6
- Primavera Risk Manager
- Success
- @Risk
- Cost Works
- R&R Report Writer
- MS Project
- MS Office

Publications
- *The Integration of Value Management and Risk Management*
- *The Role of Value Management and Risk Management in the WTC Blast Recovery*

The Port Authority of New York & New Jersey
Value Manager

Supervised, administrated, and facilitated the PANYNJ's Value Management Program for many urban development, WTC, aviation, bridge and tunnel, and transit facilities in the New York and New Jersey region. Mr. Kirk played a major role in creating the Value Management program to conduct value planning (VP), VE, and risk assessment reviews of capital projects using multidisciplinary teams of outside experts, certified value specialist (CVS) facilitators, and risk analysts. He was a leader, participant, or manager at numerous value analysis workshops for the PANYNJ's Office of the Deputy Executive Director for Capital Programs. Mr. Kirk pioneered the concept of integrating Value Management and Risk Management whereby risk mitigation is assessed in a VE workshop environment.

Chief Cost Estimator

Served as the head of the Cost Estimating/Value Engineering Unit for the PANYNJ. Mr. Kirk managed the preparation of all conceptual, preliminary, final, and post-award construction cost estimates. He supervised all cost estimators and the properties classification process, including post-award change order estimating and contractor negotiations. Mr. Kirk managed a program to create and implement a standardized, automated cost estimating system using the Success Estimating & Cost Management System. He managed the development of over $5 billion in project estimates, and prepared a standards manual and conducted seminars for the PANYNJ on estimating and project cost control.

Chief Contract Engineer

Served as senior construction contract procurement manager for PANYNJ. Mr. Kirk managed the preparation of all construction contracts and the bidding and pre-award contract administration process, which included managing the PANYNJ Contract desk, supervising an MBE/WBE outreach program, monitoring and issuing all bid packages and addenda, and conducting contractor pre-award qualification and bid negotiations. He supervised the preparation of a design-build-operate-maintain contract in close coordination with the PANYNJ Law Department Contracts Division. Mr. Kirk oversaw all specification writers, contract engineers, and specifications/contract unit support staff. He prepared a standard manual and managed a program to overhaul, create, and implement the entire library of PANYNJ standard technical specifications in the Construction Specification Institute format. He also conducted seminars for PANYNJ staff on specification preparation and contract administration.

The Port Authority of New York & New Jersey (PANY&NJ) – Newark Liberty International Airport (EWR) Redevelopment Program – Newark, NJ
Manager of Projects

Oversaw several engineering project managers involved in all capital construction projects, including the monorail systems, landside access, and parking facilities as part of the multibillion-dollar redevelopment program.

The Port Authority of New York & New Jersey (PANY&NJ) – Newark Liberty International Airport (EWR) Structural Parking Facility – Newark, NJ
Project Manager

Served as both the project manager and lead architect from the conceptual design phase to the preparation of contract documents for the $50 million structural parking facility adjacent to Terminal C.

The Port Authority of New York & New Jersey (PANY&NJ) – Port Authority Bus Terminal (PABT) Rehabilitation –New York, NY
Project Manager

Mr. Kirk oversaw engineering and architectural work for a police station, an operations and maintenance facility, exterior renovations, construction of bus platform enclosures, rehabilitation of the lower bus level (40 gates) and upper bus level (16 gates), concourse redevelopment, and a signage program and sculpture/art program.

DAWN LOPEZ

Contract Administrator

Education
- BS, New York University

Registrations
- OSHA Certified
- CPR & First Aid Training

Memberships
- AIIM

Software
- Primavera Contract Manager
- MS Office
- Timberline
- Peachtree

Accomplished in document control procedures and management of civil, environmental and transit projects from pre-award to closeout. Knowledgeable in accounting procedures and management of project site offices. Demonstrated ability to maintain strong working relationships with owners, engineers, subcontractors, vendors and government representatives.

New Jersey Transit (NJT) – Portal Bridge Project – Newark, NJ (2008-2014)
Configuration Management Specialist

Implemented and performed all document control procedures utilizing ccsNET and Contract Manager for the Portal Bridge Project. Maintained documentation for five contracts from set up of WBS structure to beginning process of closeout. Handled payment requisitions for NJ Transit for contract invoices. Created procedure manual for workflow and basic work processes. Assisted with Quality Control on major submissions.

Conti Enterprises, Inc. – South Plainfield, NJ (2004-2008)
Document Control and Contract Administrator

Responsible for the organizing, processing and routing of project contracts, drawings, specifications, baseline and CPM schedules, subcontracts, submittals, RFI's, change orders, transmittals and meeting minutes utilizing Contract Manager software. Developed and implemented a document control system which coordinated two geographically distant project sites for Siemens project. Trained fellow team members in Contract Manager Software. Responsible for payroll, accounts payable, cost control, equipment utilization, document control, purchasing and subcontractor management.

Technical Construction Services – Teterboro, NJ (2001-2004)
Full Charge Bookkeeper

Responsible for all phases of bookkeeping - A/P, A/R, payroll, bank reconciliations, job costing and general ledger maintenance utilizing Timberline and Peachtree. Handled issues regarding work hours, insurance and union discrepancies.

Alexander Macaroff, P.E.
Structural Engineer

Professional Profile
Mr. Macaroff has many years of experience in bridge design and architectural participation on various bridge condition inspection, load rating, seismic evaluation and design, vulnerability assessments, design and construction support. He also has experience working with the Port Authority of New York & New Jersey, New York State Dept. of Transportation, New York City Dept. of Transportation, Nassau County Dept. of Public Works, and New York State Parks Department design procedures and practices.

Proposed Project Assignment
Cost Estimating

Registration/Certifications
2001/Professional Engineer/NY

Education
BE/1996/Civil Engineering
BS/1990/Architecture

Total Years Experience 18

Project Experience

Sunken Meadow Golf Course - Final Design Irrigation, Smithtown, NY; 6/13-Present. Structural Engineer. This project involves the reconstruction of irrigation system for three, nine hole golf courses at this state park. The project includes transfer pump and distribution pump and pump house and a new irrigation supply pond. Mr. Macaroff was responsible for the architectural and structural design of pump house building, prepared specifications and cost estimate. Client: New York State Office of Parks, Recreation & Historic Preservation

Sunken Meadow Main Bath House, Smithtown, NY; 11/11-6/12. Structural Engineer. This project involved rehabilitation of the bath house/administrative building at Sunken Meadow State Park. The bath house is an historic structure within the state park system. The bath house provides administrative, shower and rest room facilities, first aid, security, and some rental/retail functions for beach goers and other park visitors. Mr. Macaroff's responsibilities included inspection, coordination with project architect, structural design of foundation system, floor slab, new building envelope, roof framing, and miscellaneous structural components, prepared specifications and cost estimate. Client: New York State Office of Parks, Recreation & Historic Preservation

Bayard Cutting Arboretum Final Design Contract Documents, Great River, NY; 1/13-5/13. Structural Engineer. This project involved the Final Design Phase for reconstruction of the automatic irrigation system at Bayard Cutting Arboretum State Park. Mr. Macaroff was responsible for the architectural and structural design of pump house building, preparing specifications and cost estimate. Client: New York State Office of Parks, Recreation & Historic Preservation

Whaleneck Creek Culvert, Merrick, NY; 8/10-Present. Project Manager. This project includes an in-depth inspection of a twin barrel concrete box culvert to determine the current condition. As a result of the inspection findings, both repair and replacement alternatives will be developed. Mr. Macaroff is responsible for in-depth inspection, condition report, load rating, developing plans, prepared specifications and cost estimate for the rehabilitated structure. Client: Nassau County Dept. of Public Works

Bayonne Bridge Navigational Clearance Program (BBNCP), NY/NJ; 8/12-Present. Structural Engineer. This project involves construction management services for the $743-million Bayonne Bridge Navigational Clearance Program. This extraordinarily complex, once-in-a-lifetime project will replace more than 5,000 feet of viaduct and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. Mr. Macaroff has been involved with design and constructability review for the main arch span of the 90% plans. Client: Port Authority of NY & NJ

Belt Parkway Bridges Program Management Services, Brooklyn, NY; 1/13-7/13. Structural Engineer. This project involved providing program management and resident engineering and inspection services for the Paerdegat Basin Bridge and Rockaway Parkway Bridge. Mr. Macaroff's responsibilities included review of demolition, erection, and other temporary construction procedures. Client: New York City Dept. of Transportation

Roosevelt Avenue Bridge, Queens, NY; 5/05-Present. Senior Structural Engineer. This project consists of the rehabilitation of Roosevelt Avenue Bridge to include replacing the bridge deck, replacing the bridge railing and rehabilitating the electrical and mechanical systems for the lift span. Mr. Macaroff's responsibilities include detailing the new grid deck, designing and detailing the expansion joints, detailing the pedestrian fence, cost estimate, specification writing, and construction support to include shop drawing review, excavation and demolition calculation review, and answering RFI's. Client: New York City Dept. of Transportation

Alexander Macaroff, P.E.
Structural Engineer

Northern State Parkway and Long Island Expressway Interchange Improvements at NY 110, Town of Huntington, NY; 1/09-2/10. Senior Structural Engineer. This project included an Environmental Assessment, preliminary and final design, construction documents and construction support for the replacement and widening of the existing NSP Bridge over NY Route 110 and its interchange along with the widening of NY Route 110 from four to six lanes between the LIE and NSP. The project was advanced under three construction contracts: PINs 0112.53, 0516.41 and 0112.56. He was responsible for seismic analysis and design of bridge, analysis and design of retaining walls, preparation of contract drawings, and specifications and cost estimate. Client: New York State Dept. of Transportation

Reconstruction of NY 347 from NY 454 to NY 25, Town of Smithtown, NY; 3/09-11/09. Senior Structural Engineer. This project involved final design, construction documents and construction support for the reconstruction and widening of NY 347 from four to six lanes between Brooksite Drive and the Smith Haven Mall. The project will be advanced under separate construction contracts including PINs 0054.08, 0054.18 and 0054.20. Mr. Macaroff was responsible for analysis and structural design of soldier pile and lagging retaining wall, and preparation of contract drawings and specifications and cost estimate. Client: New York State Dept. of Transportation

Hamilton Avenue Bridge, Brooklyn, NY; 5/05-7/09. Senior Structural Engineer. This project consisted of the rehabilitation of Hamilton Avenue Bridge to include replacing the bascule spans, replacing the bridge railing and rehabilitating the electrical and mechanical systems for the lift span. Mr. Macaroff's responsibilities included detailing the new grid deck, designing and detailing the expansion joints, detailing the pedestrian fence, cost estimate, specification writing, and construction support to include shop drawing review, excavation and demolition calculation review, and answering RFI's. Client: New York City Dept. of Transportation

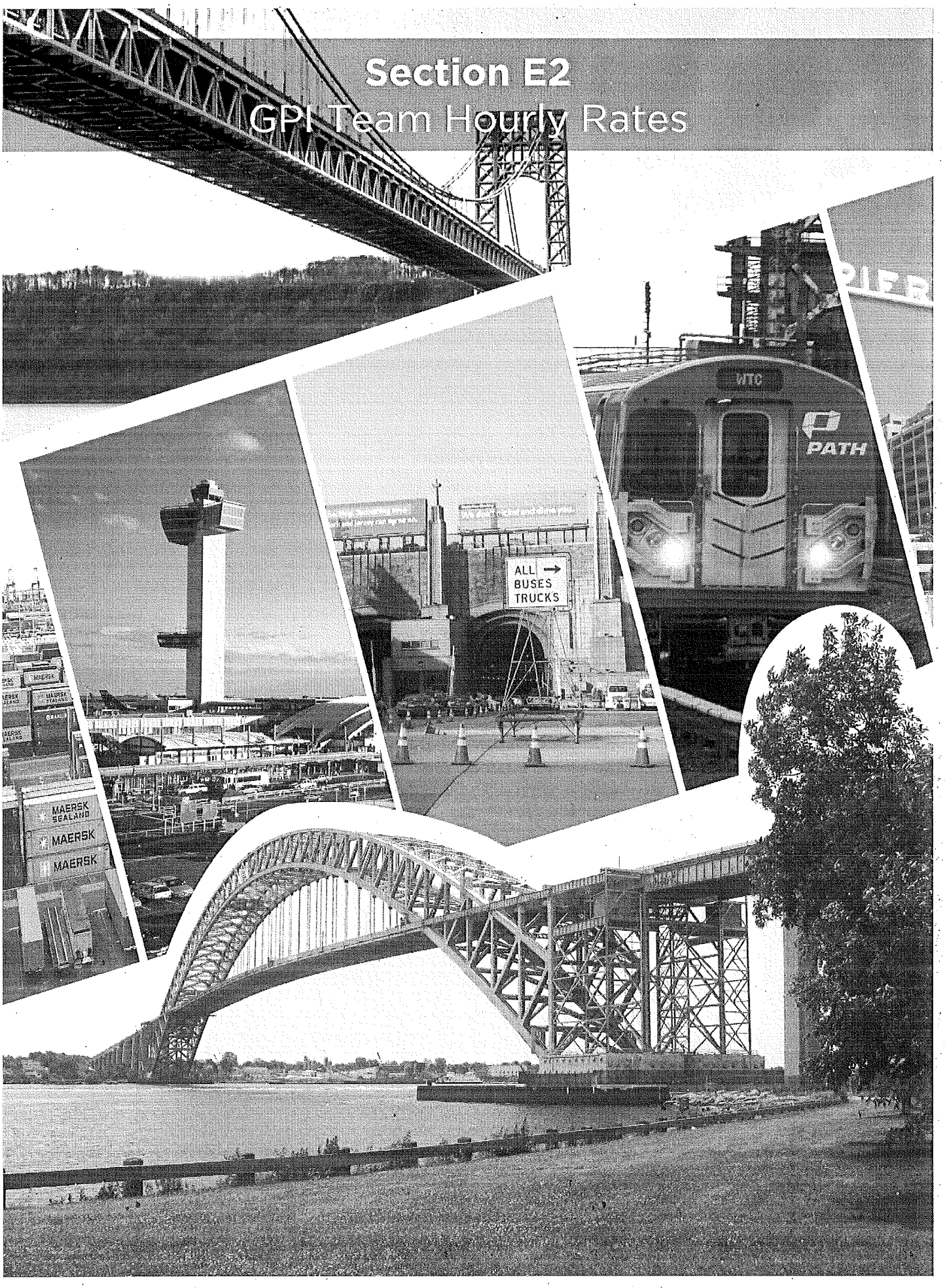
Bronx River Parkway Culverts, Westchester County, NY; 10/04-10/05. Senior Structural Design Engineer. This project included improvements to two culverts in Westchester County. One is located in Harrison, NY, and required structural improvements including removal and replacement of deteriorated concrete parapets, crack repair and replacement of spalling concrete on the sidewalls and top slab. The other culvert is located in Yonkers, NY, and runs beneath the Bronx River Parkway. Work at this location included adding end sections to both sides of the culvert, improving the channel bottom in the vicinity of the end sections by dredging and adding riprap to improve stream flow. Mr. Macaroff's responsibilities included field inspection, structural aspects of analysis and design, stage construction sequencing and coordination with utilities. He was also involved with the preparation of details to include culvert repairs, culvert end sections, parapet walls, dredging and erosion control measures; supervising drafting for structural and civil contract drawings; and preparation of specifications and cost estimate. Client: Westchester County Dept. of Public Works

Variable Message Signs (VMS), and Variable Speed Limit Signs (VSLS), at Various Facilities, New York, NY; 2002-2003. As senior engineer, he was responsible for the inspection and design for the installation of both VMS and VSLS signs at nine facilities throughout New York City. He designed connection details for signs mounted on existing bridge structures and on new sign gantries. He also prepared specifications and cost estimates. Client Metro North/ Triborough Bridge and Tunnel Authority

Eight Bridges Component Rehabilitation, HBCR02B, Various Locations, NY; 8/11-Present. Senior Structural Engineer. This is a total design and construction support services contract, which includes the in-depth inspection of eight bridges, preparation of a Bridge Rehabilitation Report (BRPR), preparation of preliminary and final design plans, specifications, and Engineer's estimate, bidding assistance to the city, and Construction Support Services. Mr. Macaroff's responsibilities include inspection of steel superstructures in response to Safety Flags issued by the NYSDOT; load ratings for all bridges; and preparation of inspection findings report and design of repair details. Client: New York City Dept. of Transportation

Nine Bridges Component Rehabilitation, HBCR01C, Various Locations, NY; 2/09-Present. Senior Structural Engineer. This is a total design and construction support services contract for the rehabilitation of nine bridges in the boroughs of Manhattan, Queens and Staten Island. Mr. Macaroff's responsibilities include inspection of steel superstructures in response to Safety Flags issued by the NYSDOT, load ratings for all bridges and design of repair details. Client: New York City Dept. of Transportation

Section E2
GPI Team Hourly Rates



Section E2 – GPI Team Hourly Rates

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

Greenman-Pedersen, Inc.
HOURLY RATES

NAME (First, Last)	TITLE	HOURLY RATE	NAME	TITLE	HOURLY RATE
Peter Alley	Assistant Resident Engineer	$60.18	Victor DiFinizio	Assist Office Administrator	$21.84
Jerry Amoah E.I.T.	Office Engineer	$50.00	Majdi El-Taher	Inspector	$55.50
Muhammad Ansari, P. E.	Resident Engineer	$73.50	Thomas English P.E.	Structural Engineer	$41.00
Edward Arrabito	Office Engineer	$37.00	Laith Faouri	Inspector	$40.00
Alyson Aulet-Valentine	Civil Structural Inspector	$47.86	William G. Ferdinandsen Jr	Program Manager	$86.10
Robert Baranowski P.E.	Senior Design Engineer	$62.50	Fernando Flores	Chief Inspector	$48.41
Lynnette Baptiste	Construction Inspector	$29.98	Anthony Fusaro	Office Engineer	$43.00
Kenneth Boykin	Inspector	$56.00	Sean Gabler	Inspector	$22.50
Jeffrey Brugge P.E.	Assistant Resident Engineer	$77.25	William Galligan	Assistant Office Engineer	$27.00
Gina Caceres	Assistant Office Administrator	$36.81	Frank Gallo P.E.	Program Manager	$87.50
Wesley Campbell E.I.T.	Electrical Inspector	$46.00	Dawn Garcia E.I.T.	Inspector	$25.45
Garfield Cardinez	Senior Inspector	$49.46	Nelson Garcia	Inspector	$59.00
Mary Denise Carter P.E.	Branch Manager	$103.00	William Godfrey	Senior Inspector	$44.25
Mhed Charles	Senior Inspector	$47.90	Ilya Gologorskiy P.E.	Resident Engineer	$65.93
Daniel Chasse P.E.	Assistant Resident Engineer	$61.00	John Goon	Electrical Inspector	$50.58
John Chiang P.E.	Inspector	$43.00	Brian Gormley E.I.T.	Inspector	$32.00
Jason Chuc	Assistant Office Engineer	$40.88	Joseph Greenman E.I.T.	Project Manager	$53.04
Christopher Colon	Inspector	$27.52	Anthony S. Grosso P.E.	/Chief Resident Engineer	$91.64
Luz Coy	Inspector	$34.05	Washner Guerrier	Inspector	$39.00
Gary Crozier	Senior Inspector	$61.00	Thomas Henderson P.E.	Assistant Office Engineer	$39.91
Camilo Cruz	Inspector	$41.82	Leonard Holland	Estimator/Inspector	$45.28
David Cunningham	Chief Inspector	$37.50	Anita Johnson-Davis	Assistant Office Engineer	$35.70
George Davis, P. .E.	Resident Engineer	$82.00	Steven Jones	Chief Inspector	$49.91
Elaine Dean E.I.T.	Senior Office Engineer	$51.46	Darryl Kemp	Senior Inspector	$51.00
Manthan Desai E.I.T.	Inspector	$35.30	Vitally Khinchin	Office Engineer	$49.92
Richard G. Khoury	Senior Office Engineer	$60.78	Christopher O'Donnell	Inspector	$57.00
Eric Kohl	Senior Inspector	$33.47	John O'Har	Inspector	$48.14

Section E2 – GPI Team Hourly Rates

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

Greenman-Pedersen, Inc.
HOURLY RATES

NAME (First, Last)	TITLE	HOURLY RATE
Gabriel Lageyre	Chief Inspector	$46.23
Gregory Lau	Electrical Inspector	$46.91
Ken Leo	Inspector	$35.00
Robert Leo P.E.	Assistant Resident Engineer	$62.29
William Leong	Inspector	$32.00
Kenny Loh LEED AP BD+C	Office Engineer	$38.43
Ian MacKenzie E.I.T.	Senior Inspector	$43.75
Keith Major	Senior Inspector	$36.30
Andrea Malenich	Senior Inspector	$45.00
Igor Malkovskiy, P. E.	Inspector	$55.00
Jeffrey Mando	Senior Inspector	$35.70
John Marcel	Senior Inspector	$45.00
Nancy Martinez	Office Engineer	$45.90
Marc Matalon P.E.	Resident Engineer	$73.75
Barry Matarangas, P. .E.	Resident Engineer	$72.50
Thomas Moen, EIT	Senior Inspector	$51.40
Jimmy Moorey P.E.	Assistant Resident Engineer	$57.12
Amit Mukheja	Coatings Inspector	$34.07
Erica Muniz	Administrative Assistant	$32.40
Nico Napoleoni	Inspector	$18.83
Thomas Napolitano, P. E.	Director of Construction Services	$114.50
Neophytos Neophytou P.E.	Deputy Resident Engineer	$68.11
Luis Nina	Inspector	$37.90
Richard Seamon, P. E.	Resident Engineer	$83.00
Jayendra Shah P.E.	Resident Engineer	$74.49
Thomas Shepherd	Chief Inspector	$54.51
Omar Soriano E.I.T.	Inspector	$34.88

NAME	TITLE	HOURLY RATE
Marcus Olivo	Inspector	$45.90
Ignacio Ortega	Assistant Resident Engineer	$55.53
Zhong Wen Pan E.I.T.	Office Engineer	$39.46
Gopesh Pandya	Office Engineer	$44.62
Louis Perry E.I.T.	Office Engineer	$33.00
Nzinga Porter	Inspector	$37.96
Richard Procaccio	Senior Coatings Inspector	$42.41
Edgar Rafol	Assistant Office Engineer	$41.00
Douglas Reese P.E.	Resident Engineer	$77.27
Kenneth Reese	Office Engineer	$58.25
Maria Reiher	Coatings Inspector	$38.50
Roy Reissig P.E.	Project Manager	$62.00
Lesly Remy	Assistant Office Engineer	$23.58
Jonathan Reynolds E.I.T.	Inspector	$33.00
Edward Roche, P. E.	Senior Inspector	$64.00
Sylvain Rodrigue	Chief Coatings Inspector	$53.42
William Rossiter	Inspector	$34.68
Reza Saba	Senior Inspector	$52.15
Saif Salahuddin, P. E.	Senior Inspector	$63.00
Cynthia Sanchez	Administrative Assistant	$21.53
Brendan Scahill P.E.	Resident Engineer	$83.28
Jeffrey Schramm P.E.	Sr. Construction Inspector	$56.10
Ronald Schweizer	Office Administrator	$46.00

Section E2 – GPI Team Hourly Rates

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

Greenman-Pedersen, Inc. HOURLY RATES

NAME (First, Last)	TITLE	HOURLY RATE
Evan Steele	Coatings Inspector	$44.12
Elliot Strika	Coatings Inspector	$49.00
Ronald Takla	Assistant Resident Engineer	$65.60
James G. Tarpey P.E.	Resident Engineer	$91.68
Scott Templeton	Office Engineer	$46.92
Anthony Tiliakos	Inspector	$50.60
Guy Toussaint	Senior Inspector	$47.17
Philip Trapani P.E.	Resident Engineer	$76.16
Robert T. Trapani	Chief Inspector	$52.33
Guerman Vainblat P.E.	Resident Engineer	$64.13
James Valenti P.E.	Project Manager	$78.40
Natanael Vasquez	Inspector	$35.00
Charles Viveiros	Coatings Inspector	$28.91
James F. Weber	Chief Office Engineer	$67.63
Gregory Yuzuk	Chief Inspector	$47.05
Phenol Zamor	Electrical Inspector	$58.00
Gregory Zenk P.E.	Director of Construction Services	$92.50

Section E2 -- GPI Team Hourly Rates

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

Maitra Associates, P.C.
HOURLY RATES

NAME (First, Last)	TITLE	HOURLY RATE	NAME	TITLE	HOURLY RATE
Adewale Adesanya	Sr. Const. Engr./Insp.	$31.50	Edward McLean	Sr. Constr. Inspector	$40.95
Alek Belov, PE	Sr. Const. Engr./Insp.	$50.40	McMahon, Wayne	Sr. Const. Inspector	$49.85
Vincent Bucci, PE	Sr. Const. Engr./Insp.	$45.15	Abel Njie	Sr. Const. Engr./Insp.	$48.00
Len Espinar	Sr. Constr. Inspector	$45.00	John Petekiewicz	Sr. Constr. Inspector	$44.56
Mauricio Fernandez	Sr. Constr. Inspector	$48.83	Thomas Pulvirenti	Sr. Const. Engr./Insp.	$50.40
Alfred Johnson, PE	Sr. Const. Engr./Insp.	$50.40	Jose Rodriguez	Sr. Constr. Inspector	$30.45
Alan Matin, PE	Sr. Const. Engr./Insp.	$49.48	Kuldip Sachdev	Sr. Constr. Inspector	$44.24
Omont McBride	Sr. Constr. Inspector	$47.25			

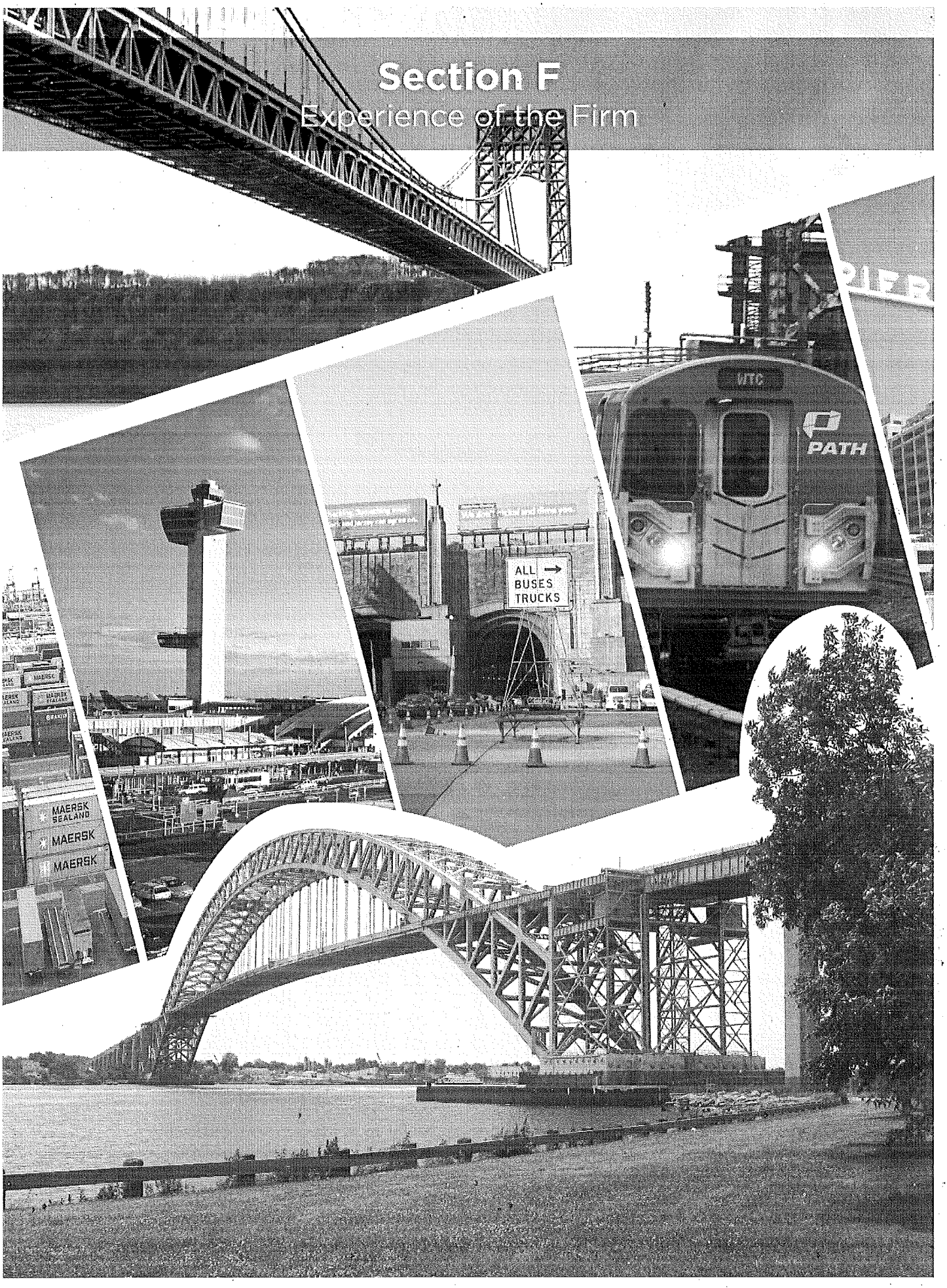
PACO Group
HOURLY RATES

NAME	TITLE	HOURLY RATE	NAME	TITLE	HOURLY RATE
Singh Amanjot	Office/Field Engineer	$40.00	Khayyat Yazeed	Senior Signals and Systems	$70.00
Yulee Aronson	Project Manager	$70.00	David Kirk	Senior Estimator	$65.00
Emad Bebawy	Inspector	$45.00	Dawn Lopez	Scheduler	$42.00
Rafi Hamid	Civil Engineer	$57.00	Ido Nissani	Inspector	$38.00
Aleef Hassan	Field Engineer	$37.08	Jugal Sood	Resident Engineer	$55.00
Mohammad Imran	Inspector	$35.00			

LPE Enterprises, Ltd.
HOURLY RATES

NAME	TITLE	HOURLY RATE	NAME	TITLE	HOURLY RATE
Bala Balakrishinan	Electrical Inspector	$50.55	Aida Sanabria	Contract Administrator	$27.59
Alonzo Bryson	Mechanical Inspector	$48.68	Ewa Szulc	Office Engineer	$40.00
Elaine Reid	Contract Administrator	$26.58	Robert Zayas	Mechanical Inspector	$50.05
Cynthia Ronald	Contract Administrator	$30.98			

Section F
Experience of the Firm



Section F – Experience of the Firm
Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

INTRODUCTION

Greenman-Pedersen, Inc. (GPI) has formed an outstanding team that has the experience and depth of resources for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018. GPI will serve as the prime consultant and the main point of contact for this contract. In addition to GPI, the team is comprised of the following firms:

- Maitra Associates, P.C.
- PACO Group, Inc.
- LPE Enterprises, Ltd.

GPI is a transportation engineering firm with more than 1,100 personnel headquartered in New York and with branch offices throughout the eastern United States. Providing its services for nearly 50 years, GPI is recognized as a ***leading firm*** for comprehensive construction management and inspection services. GPI has provided on-call services to many of the transportation agencies and has earned an excellent reputation for being responsive to the client's needs and producing quality consulting engineering services.

GPI offers a unique combination of expertise as well as knowledge of applicable state and federal guidelines in all disciplines required by Port Authority of New York & New Jersey (Authority). Our technical engineering expertise has provided opportunities for the firm to participate on a vast array of projects, from high-profile projects to smaller, yet important, contracts. GPI's clients continue to extend existing on-call contracts and select the firm for new call-in work. For example, GPI has been providing on-call construction management services for the Authority's 2002-2006, 2006-2010 and 2011-2014 Programs. Also, for more than 25 years, the Authority has selected GPI to provide call-in traffic engineering services. The Authority has credited GPI's responsiveness and its ability to provide the right staff for the job.

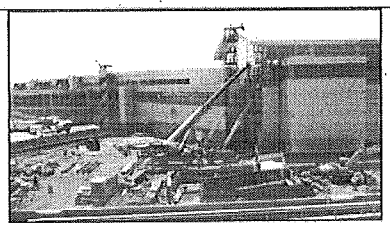
Maitra Associates MAITRA ASSOCIATES, P.C., a certified MBE with the Port Authority, is a multi-disciplined engineering firm consisting of 44 professionals, and they have been continuously involved in construction management work on major metropolitan agency projects since its inception in 1982. Maitra is able to present a highly qualified group of construction professionals including construction managers, resident engineers, office engineers, schedulers, inspectors, technicians and surveyors who possess the requisite certifications and specialty training which the Port Authority justifiably expects from construction management personnel assigned to its projects. Over seventy percent of their staff are graduate engineers. Their inspectors hold certificates for OSHA Training, ACI Concrete Inspection, and ICC Structural Steel and Bolting Inspection Certification.

PACO Group, Inc. (PACO), a certified MBE, is a national consulting firm that provides program, project and construction management services including: engineering support, cost estimating, value engineering, claims management, change management, quality assurance, design/ constructability review, construction inspection, scheduling, document management, configuration management, and staff augmentation services to clients involved in major construction projects. PACO has successfully worked on major capital improvement programs for some of the largest aviation and transportation agencies across the country.

LPE Enterprises, Ltd., is a certified WBE construction management support services firm, serves the needs of construction management and engineering companies for skilled and experienced project-based personnel. The firm's staff members, all of whom are actively engaged on projects, are full-time employees of LPE. LPE's staff have extensive expertise in such areas as construction inspection, estimating, document controls, and technical and contract administrative services. For all assignments, LPE's professionals are fully integrated into the project team, and are committed to meeting the highest standards of performance. They are dedicated to the success of each assignment and the Port Authority.

The following are projects for which the GPI team has provided construction management services within the last five years that are comparable to the services that will be required under this contract

2011-2014 Port Authority On-Call Construction Management Services			GPI
Owner / Contact:	Port Authority of New York & New Jersey, 241 Erie Street, Jersey City, NJ 07310 **Contact:** Paul Salvatore, Engineer of Construction, 201-216-2070, psalvato@panynj.gov		
Contract Duration:	4 Years	**Date(s) of Services:**	2011 – Present
Contract Amount:	$7,240,649	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



Location of Work: Various Locations, NY & NJ. Construction management and inspection services on an on-call basis. PA NY & NJ supplements their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Assignments include:

Port Authority Tenant Supervision, Jersey City, NJ – Assisting the Port Authority's manager with supervising and coordinating the development and delivery of the Real Estate Services Department's program, which includes renovations and construction enhancements; expansions of the Port Authority leased properties and facilities; supervising the development of construction and operational requirement for projects; and supervising the project manager and contractor staff in the implementation of Port Authority and tenant construction program.

Staten Island Bridges, Newark, NJ – Construction inspection for structural, civil, mechanical, electrical, and bridge painting services for three Staten Island Bridges operated by the Port Authority of New York & New Jersey. Also includes maintenance and protection of traffic.

George Washington Bridge, Fort Lee, NJ – Joint replacement of the upper level deck. The project also involves the replacement of orthotropic deck, scupper and pipe run replacement, expansion finger joint repairs, main/secondary floorbeam repairs, stringer and stringer bearing repairs, deck rib connections, barrier repairs, paving, and coordination of maintenance of traffic.

Port Authority Bus Terminal, Various Contracts, New York, NY –

- ***Bus Ramps Deck Replacement Phase II, Contract #LT-234-174.*** Replacement of the existing deteriorated concrete roadway deck and embedded snow melting system at the Lincoln Tunnel bus ramps in order to maintain a state of good repair, preserve the structural integrity of the bus ramps and provide a safe riding surface during the winter months.
- ***Contract #LT-234.054, New York, NY.*** Consists of replacement of the existing concrete sump ceiling slab with pre-cast concrete panels, replacement of adjacent pavement, catch basin and man hole structures and patching in the adjacent pump room at the Lincoln Tunnel Center Tube.
- ***Contract #BT-254.220, New York, NY.*** Providing the required strengthening to maintain structural integrity of the Port Authority Bus Terminal (PABT) in New York City during a seismic event. The structural modifications (seismic retrofit) consist of shear walls, bracing and truss members to resist seismic loads and expansion joint bracing. It also requires relocation of existing electrical, electronic communication, HVAC, plumbing and fire protection systems.
- ***Contract #LT-525, New York, NY.*** This project consisted of installing pavement markings, signage, drop-in-delineators and Dura-curb at the New York Galvin Plaza Entrance, New Jersey Toll Plaza Approach and Departure Roadway and New Jersey Westbound Helix and Exit ramps.

Lincoln/Holland Tunnel, New York, NY – Rehabilitation of the concrete catwalk at the Holland Tunnel and maintenance pavement repairs and bus ramps deck replacement at the Lincoln Tunnel. The project involves inspection of maintenance and protection of traffic, installation of CCTV and video analytics system in Lincoln Tunnel, demolition of existing car railing, sounding and repairing spalled concrete for rehabilitation of concrete catwalk at the Holland Tunnel, emergency concrete repairs in Holland Tunnel vent buildings, sounding and repairing spalled concrete on under deck roadways in Lincoln Tunnel.

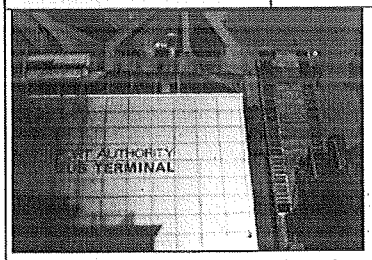
John F. Kennedy International Airport, Queens, NY – Inspection services at John F. Kennedy International Airport including inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes.

Replacement and Upgrade of the Christopher Street Substation for PATH, New York, NY – Replace and upgrade electrical traction power substation equipment at the Christopher Street Substation.
Journal Square Transportation Center, Various Locations, NY and NJ. Work under this project included direct inspection and monitoring of multiple contractors performing wide ranging rehabilitation and renovation work at the Police Command Center at Journal Square. Once this work was completed, construction management services moved to the inspection of work to rehabilitate PATH stations, track, maintenance yards, and support buildings.
Holland Tunnel, New York/New Jersey. Rehabilitation of the existing ventilation fan system.

2006-2010 Port Authority On-Call Construction Management Services

GPI

Owner / Contact:	Port Authority of New York & New Jersey, 241 Erie Street, Jersey City, NJ 07310 **Contact:** Paul Salvatore, Engineer of Construction, 201-216-2070, psalvato@panynj.gov		
Contract Duration:	6 Years	**Date(s) of Services:**	2006 – 2012
Contract Amount:	$4,992,200	**Was Project Completed on Schedule and Within Budget?**	(Yes) No

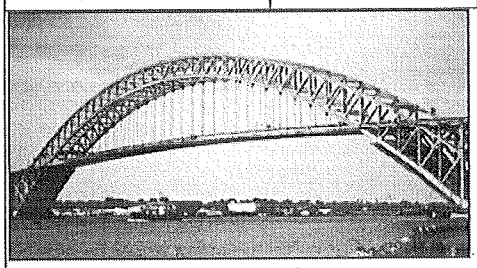


Location of Work: Various Locations, NY. Construction management and inspection services on an on-call basis. PA NY & NJ supplemented their staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. Projects included:
John F. Kennedy International Airport – Project involved inspection services at John F. Kennedy International Airport. The Port Authority supplemented their own staff with consultant-provided personnel to manage and administer construction contracts at their owned and operated facilities. GPI's responsibilities at these facilities included inspecting installation of new electrical equipment for compliance with contract, Port Authority standards and NYC codes; documenting and maintaining daily narratives on contract projects; reviewing plans, specifications and shop drawings, processing and reviewing contractor submittals, change orders and estimates; interacting with architects, engineers, contractors and Port Authority officials; and coordinating scheduled electrical shutdowns with Port Authority Electrical Shop and various departments.
Jamaica Station – Inspection of a new, five-story pre-cast concrete on structural steel frame parking structure.
Staten Island Bridges – Construction inspection for structural, civil, mechanical, electrical, and bridge painting services for the three Staten Island Bridges operated by the PANYNJ.
George Washington Bridge Painting – Involved Class 1A containment of both towers of this structure involving the removal of existing lead paint and the application of a new three-coat system to approximately 2.1 million sq ft of steel. Project included the coordination and inspection of field contractors' activities on various contracts and managing construction contract payments, contract changes, schedules, fieldwork and subcontractors.
Port Authority Bus Terminal Structural Modifications – This $50-million project provided the required strengthening to maintain structural integrity of the Port Authority Bus Terminal in NYC during a seismic event. Structural modifications (seismic retrofit) strengthened the bus terminal building with shear walls, bracing, and truss members to resist moderate seismic loads in the north south and the east west directions for the south wing and expansion joint bracing for the north wing of the Port Authority Bus Terminal. It also required relocation of the existing electrical, electronic communication, HVAC, plumbing and fire protection system in order to perform the work.
Port Authority Technical Center – Work at each building included the construction management of various trades which included demolition, general construction, HVAC, plumbing, electrical, furniture, telecommunications, and relocation of personnel upon completion.
EWR Newark Airport – Field inspection and construction supervision, coordination with materials division of Port Authority operations and contract and shop drawings review for different projects.
John F. Kennedy International Airport Jet Blue Parking Structure – Inspection services of the new, five-story parking structure at John F. Kennedy International Airport's Jet Blue Terminal. This structure is pre-cast concrete on a structural steel frame.

Battery Park City Ferry Terminal at the 39th Street Pier – Construction of a barge as a support to canopy structure of this terry terminal. The barge was placed between two anchor towers and a steel canopy structure and windscreen framing was connected on top of this barge.
PATH Station–Installation and integration of the 27KV, 15KV, 480V, DC traction power, SCADA and multiple communication systems at the temporary PATH station at the WTC. Provided system startup on electrical/ communication sub-systems, contractor compliance with federal and state construction safety requirements.

Bayonne Bridge Navigational Clearance Program (BBNCP)
Construction Management GPI

Owner / Contact:	Port Authority of New York & New Jersey, 241 Erie Street, Jersey City, NJ 07310 **Contact:** Ronald Gumann, Engineer of Construction, 201-595-4887, rgumann@panynj.gov		
Contract Duration:	5 Years	**Date(s) of Services:**	2012 – Present
Contract Amount:	$760,000	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



Location of Work: NY/NJ. GPI is providing construction management services for the $743-million Bayonne Bridge Navigational Clearance Program (BBNCP). This extraordinarily complex project will replace over 5,000 feet of viaduct with cast-in-place and precast structural elements and re-frame the existing steel arch structure to accommodate a new roadway 65 feet above the existing roadway. The project is being implemented to accommodate a new breed of Panamax ships passing through the widened Panama Canal which, due to their size, cannot physically pass beneath the existing 151-ft-high main span roadway. The Kill Van Kull is the only waterway into and out of the Ports of Newark, Howland Hook, and Elizabeth, and the current restrictive clearance of the bridge will stagnate continued economic growth and could possibly threaten the very existence of the Ports. Not raising the bridge roadway could cripple the local New York and New Jersey economies during a time of strained economic growth. The BBNCP will allow the Ports to remain a viable commerce and cargo destination well into the 21st century. All work will be completed while maintaining one lane of traffic in the northbound and southbound direction by utilizing staged demolition and construction sequencing. The new Staten Island and Bayonne approaches will be supported by drilled shaft foundations; CIP and pre-cast/post-tensioned piers; pre-cast post-tensioned segmental box girders. Major ancillary work will include the installation of new bridge power, ITS and fire standpipe systems.

Williamsburg Bridge Reconstruction of Miscellaneous Rehabilitation of the Main Bridge
Contract 8 GPI

Owner / Contact:	New York City Dept. of Transportation, 55 Water Street, New York, NY 10041 **Contact:** Robert Collyer, Deputy Chief Engineer, Capital Design/Construction, [redacted]		
Contract Duration:	9 Years	**Date(s) of Services:**	2003 – 2014
Contract Amount:	$7,499,239	**Was Project Completed on Schedule and Within Budget?**	(Yes) / No

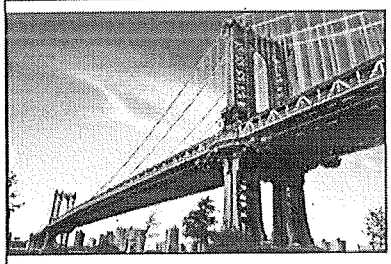
Location of Work: New York, NY. REI for the $280-million reconstruction of miscellaneous rehabilitation of the main bridge. This project is touted as the final major construction contract to rehabilitate this iconic NYC structure. Several major items of work that went unresolved in Contracts 4 -7 were addressed during Contract 8, including: strengthening

of the main towers (replacement of deteriorated lacing bars, splice, gusset and batten plates and diagonal braces; bearing and support replacement at PP 30; lead paint abatement by abrasive blasting and new coatings application for the north and south truss and top chord; and suspender replacement and adjustment. Additional tasks include seismic retrofit of the

intermediate towers, tower saddle repairs; wind tongue replacement at PP 30; intermediate tower rehabilitation; bearing replacement at PP 0, 10, 15, and 31; north and south top and bottom chord rehabilitation; installation of end span inspection platforms; rehabilitation (surface cleaning, repointing and epoxy injection for crack repair) and structural reinforcement of the anchorage rooms; installation of the traveling maintenance platforms; restoration of electrolier light fixtures and installation of new period lighting at the Manhattan portal and promenade areas and inside both bridge anchorage structures; and completion of the installation of ITS equipment with computer-based control of south inner roadway contraflow.

Manhattan Bridge Rehabilitation of Cables and Suspenders, Contract 14 GPI

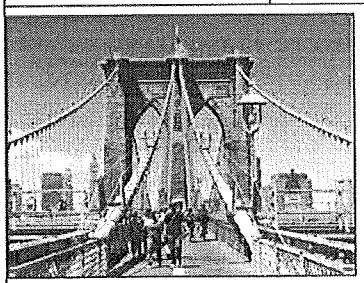
Owner / Contact:	New York City Dept. of Transportation, 55 Water Street, New York City, NY 10041 **Contact:** Brian Gill, Engineer-in-Charge [redacted]		
Contract Duration:	4 Years	**Date(s) of Services:**	2010 - 2014
Contract Amount:	$8,424,048	**Was Project Completed on Schedule and Within Budget?**	(Yes) / No



Location of Work: New York, NY. This $149-million project involved unwrapping and rewrapping of cables; replacement of suspenders; replacement of necklace lighting messenger cables and cable hand ropes; installation of new access platforms to existing tower platforms; reversal of lower roadway and operation of HOV lane and replacement of multi-rotational bearings at the Towers; replacement of light poles and luminaries on South upper roadway; replacement of lane control radar on South upper roadway; and retrofit of track stringers and diaphragm connections and other miscellaneous work. The unwrapping and rewrapping of cables was performed in the following sequence: 1) Remove existing cable wrapping wires; 2) Clean existing main cable wires and remove all red lead paste; 3) Apply grease to existing main cable wires: "SYNCAN" grease manufactured by Grignard Co.; 4) Rewrap main cable wires with new galvanized wrapping wire; 5) Install Cableguard Elastomeric Wrap system manufactured by D.S. Brown. After the wrap is applied it is heated with an electric blanket which fuses the overlapped seams and shrinks the wrap to the underlying wrapping wire. The existing cable bands were not replaced but were cleaned and painted with a three-coat moisture cured urethane system by Sherwin-Williams. The new galvanized suspenders were not overcoated. Existing truss steel at the anchor points for the suspenders, miscellaneous steel and all new steel elements were painted.

Brooklyn Bridge Rehabilitation of the Approach Spans and Ramps and Painting of the Entire Bridge, Contract 6 GPI

Owner / Contact:	New York City Dept. of Transportation, 55 Water Street, New York City, NY 10041 **Contact/Reference:** Ohene Duodu, Engineer In Charge, [redacted]		
Contract Duration:	5 Years	**Date(s) of Services:**	2010 - Present
Contract Amount:	$20,605,926	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



Location of Work: New York, NY. GPI is providing construction management and inspection services for this $509-million rehabilitation project. GPI, acting in support of NYCDOT, will be responsible for coordination of all project activities, quality assurance inspection of all rehabilitation work, and cost control and payment distribution. Activities involve several distinct areas of work including: rehabilitation of the approach roadway pavement above the masonry structures; rehabilitation of the Manhattan side ramp structures; painting of the ramp structures and main span; rehabilitation of the approach steel structures; and full replacement of the York and Main Street Structures. GPI will provide on-site construction administration and inspection of the following tasks:CPM schedule review, coordination, and monitoring Evaluation of MPT activities for the project Evaluation of contractor's

Health and Safety Plans Public outreach and communication efforts Monitoring of environmental protection Coordinate with other contracts in the area Other agency coordination services Tracking of the contractor's EEO efforts Monitoring of MPT activities Evaluation of changed conditions and contractual disputes Preparation of change orders Preparation of partial payment documentation in support of the contractor's monthly requests Quality control of construction materials (on site and off site)Tracking of project documents Inspection of all contractor field activities. This project also involves designing a CCTV system on bridge and in the area surrounding with communications to NYCDOT's Traffic Management Center. This system will assist with the monitoring of detour routes caused by the closures due to the bridge construction. This includes 11 new camera sites located throughout lower Manhattan and Brooklyn, wireless communications from the cameras to one of five fiber optic hub located in the area, a 10/100/1000 base Ethernet fiber optic network to the TMC and a IP based CCTV Central System. The system shall include all equipment, hardware, mountings software and design necessary to install, integrate, operate and maintain the operation and use of the System.

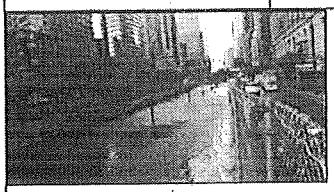
Reconstruction of Willis Avenue Bridge GPI

Owner / Contact:	New York City Dept. of Transportation, 55 Water Street, New York City, NY 10041 **Contact:** Hani Faouri, Deputy Director - Movable Bridges [redacted]		
Contract Duration:	7 Years	**Date(s) of Services:**	2007 - Present
Contract Amount:	$3,024,663	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget

Location of Work: New York, NY. As a subconsultant, provided REI for complete replacement of this river crossing with a new swing span and flanking girder spans on each side, on a new alignment immediately south of and slightly skewed to the existing bridge alignment. The new swing span opens to allow tall ships to pass. The new bridge provides four traffic lanes on the bridge mainline as with the existing bridge. All new steel approaches and ramps were transitioned back to the existing connections with the street and arterial highway networks. The First Avenue approach and FDR Drive ramp were replaced on new alignments with standard radius curves. The Willis Avenue approach was replaced on an alignment similar to its existing alignment, providing a standard radius curve, which eliminated all columns in Willis Avenue and Bruckner Boulevard below the approach. The Bruckner Boulevard ramp was replaced on a new alignment and brought up to standard. The bridge also passes over the Harlem River Yard (HRY) in the Bronx. New construction is being coordinated with ongoing operations in the railyard including the waste transfer station. Traffic was maintained on the bridge using staged off-line construction where most of the new bridge was built before demolishing the exiting one.

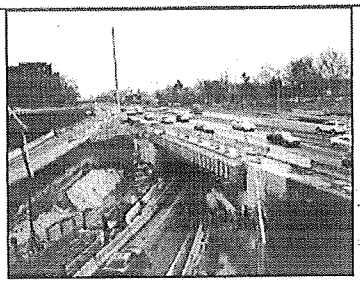
Battery Park Underpass/West Street Emergency Contract GPI

Owner / Contact:	New York City Dept. of Transportation, 55 Water Street, New York City, NY 10041 **Contact:** Bhaskar Gusani, Project Manager [redacted]		
Contract Duration:	3 Years	**Date(s) of Services:**	2014 – Est. 2016
Contract Amount:	$1,099,826	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



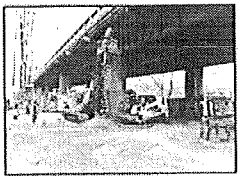
Location of Work: New York, NY. REI for this $20-million rehabilitation project. On 10/29/2012, the Battery Park and West Street underpasses were inundated with salt water from the storm surge associated with Superstorm Sandy. The salt water caused significant damage to mechanical, electrical, ventilation, and lighting systems. NYCDOT will engage the services of a responsible low bid contractor to rehabilitate the underpass systems per their design specifications and drawings.

Rehabilitation of Kew Gardens Interchange/Van Wyck Expressway			GPI
Owner / Contact:	New York State Dept. of Transportation, 50 Wolf Road, Albany, NY 14843 **Contact:** Craig Ruyle, Construction Manager, CE4 [redacted]		
Contract Duration:	5 Years	**Date(s) of Services:**	2010 – Est. 2015
Contract Amount:	$3,871,153	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



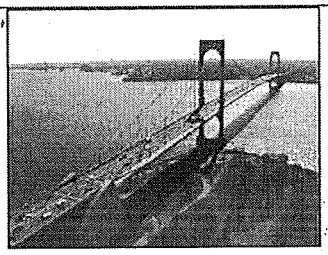
Location of Work: Queens, NY. Construction inspection for the reconstruction of the Van Wyck Expressway (I-678), between 86th Ave. and the Grand Central Parkway. Work includes complete removal and replacement of the 82nd Ave. pedestrian bridge, the Hoover Ave. Bridge over the Van Wyck Expressway, the ramp from the Van Wyck Expressway NB to Queens Blvd. WB, and the Queens Blvd. Bridge over the Van Wyck Expressway; removal/replacement of superstructure, repair wing walls and abutments at the Van Wyck Expressway over Main St. SB and Queens Blvd. over Main St.; reconstruction of the MTA subway pedestrian tunnel under the Van Wyck Expressway in the vicinity of Main St.; widening the at-grade Van Wyck Expressway by constructing a new concrete pavement lane in both directions; repair and new paving of road surfaces; and reconstruction of the median barrier, drainage system, and retaining walls, roadside landscaping and other environmental enhancement work are included within the project limits. A major initial component of the reconstruction work is the relocation of existing water mains over the Queens Boulevard over Van Wyck Expressway, Queens Boulevard over Main Street and Hoover Avenue over the Van Wyck Expressway bridges. This work includes removal of approximately 1,000 lin ft of 12 in. existing water main, associated valves, valve box and hydrant. In addition, 82 drainage structures, and more than 4,200 lin ft of reinforced concrete pipe (ranging from 12 in.–36 in.) and 1,200 lin ft of 12 in. and 18 in. ductile iron pipe will be installed below grade on a bed of crushed stone.

Replacement of the Queens Approach at the Bronx-Whitestone Bridge, BW-89C			GPI
Owner / Contact:	Triborough Bridge & Tunnel Authority, Bronx Whitestone Bridge, Bronx, NY 10465 **Contact:** Andie Yee, Project Manager, [redacted]		
Contract Duration:	4 Years	**Date(s) of Services:**	2011 – Est. 2016
Contract Amount:	$4,949,107	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



Location of Work: Queens/Bronx, NY. The $110-million project involves construction inspection services required to support the construction work of Project BW-89C, Replacement of the Queens Approach at the Bronx-Whitestone Bridge. The replacement work includes installation of mini-pile foundations, temporary support structures, temporary and permanent traffic barrier systems, fire stand pipe system, new lighting and communications; maintenance and protection of traffic; incidental lead abatement; and coordination with the community and other public agencies in this densely populated traffic corridor. The project also included the relocation of the children's play area within Francis Lewis Park. Both the client and the community were extremely pleased with the play area relocation.

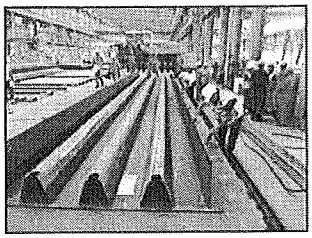
Bronx-Whitestone Bridge Replacement of the Bronx Approach and Miscellaneous Repairs to the Queens Approach, BW-89			GPI
Owner / Contact:	Triborough Bridge & Tunnel Authority, Bronx Whitestone Bridge, Bronx, NY 10465 **Contact:** Christopher Saladino, Facility Enginee [redacted]		
Contract Duration:	5 Years 6 Mos.	**Date(s) of Services:**	2007 - 2013
Contract Amount:	$5,272,285	**Was Project Completed on Schedule and Within Budget?**	(Yes) / No



Location of Work: Bronx, NY. This $204-million project involved the staged removal and replacement of the Bronx Approach superstructure and substructure from the Bronx Toll Plaza to the Bronx Anchorage. Work included the installation of excavation support systems, mini-pile foundations and temporary steel support systems to support the existing structure during the staged construction. During the construction of the substructure, massive concrete placements were used for concrete footings and piers. Traffic on the bridge was maintained with five lanes open to traffic for the duration of the project. During the staged construction, work included staged demolition of the existing roadway, installation of multiple continuous steel girders, placement of a staged composite concrete deck, installation of permanent concrete barrier and installation of permanent street lighting. Other work items on the project included new utility systems at the Bronx Toll Plaza, installation of new salt storage dome building and miscellaneous steel and concrete deck repair on the Queens Approach structure.

Replacement of the Upper Level Deck of the Suspended Span of the Verrazano-Narrows Bridge, VN-80B, Staten Island, NY GPI

Owner / Contact:	Triborough Bridge & Tunnel Authority, Bronx Whitestone Bridge, Bronx, NY 10465 **Contact:** David Riggs, Facility Engineer, 718-390-8631, [redacted]		
Contract Duration:	4 Years 6 Mos.	**Date(s) of Services:**	2012 – Est. 2018
Contract Amount:	$7,419,891	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget



Location of Work: Staten Island, NY. Comprehensive reconstruction project to replace the upper level roadway superstructure of the bridge during Project VN-80B – Upper Level Deck Replacement of the Verrazano-Narrows (VN) Bridge. The work on this $236-million project will include the following major work elements to be performed: staged demolition; maintenance and protection of traffic (MPT); removal of existing concrete and steel upper level road deck and supporting elements; retrofit and/or repairs to select steel components; fabrication, erection and fit-up of new steel orthotropic deck panels; structural steel welding; waterproofing system application and asphalt overlay placement; lighting installation, paint removal and new coatings application; and lead abatement. This comprehensive re-decking project will take place over a 60-month construction schedule starting in 2012 and ending in 2017. Due to the immense size of the VN structure and the underlying complexity of the work, Project VN-80B will require tremendous expertise and substantial relevant experience in all areas of the rehabilitation processes for the work to be performed successfully. The GPI team has provided CMI services for previous and current contracts at the VN facility and at other bridges and tunnels within the TBTA system - utilizing TBTA protocols, specifications, quality assurance requirements, health and safety and recordkeeping guidelines to successfully complete several projects of similar scope and complexity.

Construction Administration and Inspection for Project QM-40S, Super Storm Sandy Restoration and Mitigation and Project QM-40/QM-18, Rehabilitation of the Tunnel Walls, Roadway and Manhattan Exit Plaza at the Queens Midtown Tunnel GPI

Owner / Contact:	Triborough Bridge & Tunnel Authority, Bronx Whitestone Bridge, Bronx, NY 10465 **Contact:** Andie Yee, Project Manager, [redacted]		
Contract Duration:	5 Years 4 Mos.	**Date(s) of Services:**	2014 – Est. 2019
Contract Amount:	$5,420,233	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget

Location of Work: Queens/Manhattan, NY. GPI will perform facility-wide repair, replacement, modification and/or upgrade of all tunnel major operating systems. The projects are comprehensive in scope and complexity, including concurrent work tasks to be performed in the main tunnel tubes, pump rooms, ventilation and service buildings, and at the entrance plazas. For the purposes of this assignment, all these work elements have been combined into one major rehabilitation effort, whereby the contractor will be tasked with completing the following major work tasks: ventilation

system reconstruction; mechanical equipment and structural elements repairs and replacement; replacement of electrical systems; concrete base slab and expansion joint replacement; maintenance and protection of traffic controls; and lead and asbestos abatement.

NJDOT Route 35 Sandy Restoration, MP 0 to 4 GPI

Owner / Contact:	New Jersey Dept. of Transportation, 1035 Parkway Ave., Trenton, NJ 08625 **Contact:** George Carroll, Central Region Construction Consultant Coordinator [redacted]		
Contract Duration:	2 Years	**Date(s) of Services:**	2013 – Est. 2015
Contract Amount:	$4.78 million	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget

Location of Work: Berkeley Township to Toms River Township, Ocean County, NJ. GPI is providing construction management and inspection services for this $81M restoration project. Route 35, a coastal emergency evacuation route, serving the barrier peninsula between Barnegat Bay and the Atlantic Ocean, was severely damaged during Superstorm Sandy, entire sections of the highway were carried away and the drainage system was completely destroyed. This major multidiscipline project provides for the complete reconstruction of 4 miles of this roadway.

NJ Transit Contract #13-1010E, CM Services for Task Order GPI

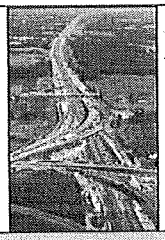
Owner / Contact:	NJ Transit, One Penn Plaza East, Newark, NJ. **Point of Contact/Reference:** Kerry Donovan, Sr. Program Manager [redacted]		
Contract Duration:	3 Years	**Date(s) of Services:**	2013 - Present
Contract Amount:	$176,903 (GPI portion)	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget

Location of Work: Newark, Essex County, NJ. GPI was selected by NJ TRANSIT to provide CM services on a task order basis. This contract has a maximum value of $3.5M and duration of 3 years. Task assignments are on track to be completed on-time and within budget.

Interchange 6 to 9 Widening Program GPI

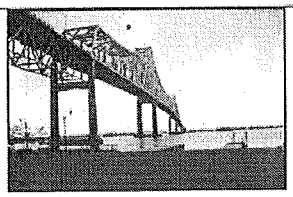
Owner / Contact:	New Jersey Turnpike Authority, 581 W Main St., Woodbridge, NJ 07095 **Contact:** Frank Corso / Sr. Project Engineer, [redacted]		
Contract Duration:	5 Years	**Date(s) of Services:**	2009 - Present
Contract Amount:	$40 million	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget

Location of Work: Burlington to Middlesex Counties, NJ. Construction Management services for the NJTA's Interchange 6 to 9 Widening Program (The Program). The Program is the Turnpike's most significant construction project in the 58-year history of the Authority, and is currently estimated at $3B. In Joint Venture with AECOM and PB Americas, The GPI Team's $164M contract requires us to provide construction management, scheduling, change order management, cost control, resident engineering, inspection and material testing services.



Commodore Barry Bridge Miscellaneous Structural Repairs, CM Services GPI

Contracting Party:	Delaware River Port Authority, One Port Ctr., 2 Riverside Dr., Camden, NJ 08101 **Contact:** A. Timothy Salvatore / Project Manager, [redacted]		
Contract Duration:	2.5 Years	**Date(s) of Services:**	2011 - 2013
Contract Amount:	$1.5 million	**Was Project Completed on Schedule and Within Budget?**	(Yes) / No



Location of Work: Bridgeport, NJ/Chester, PA. GPI performed construction management services for the Commodore Barry Bridge Miscellaneous Structural Repairs project. The work included the rehabilitation and/or replacement of bearings, gusset planes, steel barrier, below deck walkway modifications plus miscellaneous concrete and steel repairs for the Commodore Barry Bridge and one approach bridge at US Route 322 over US Route 130. Duties included being the Owner's direct on-site representative to the contractor, direct supervision of a Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and/or ensuring that the project is constructed in accordance with the plans and specifications for the owner, checking accuracy of inspection reports, monitoring progress schedule and progress, resolving conflicts between inspection staff and contractor, preparing change orders, preparing monthly pay estimates and project close-out.

Region North Maintenance Construction Inspection Term Agreement, NJ GPI

Contracting Party:	New Jersey Department of Transportation, 1035 Parkway Avenue, Trenton, NJ 08625 **Contact:** George Carroll / Consultant Coordinator, Region Central, [redacted]		
Contract Duration:	3 Years	**Date(s) of Services:**	2011 - Present
Contract Amount:	$513,000 ($2.4M allocated ceiling)	**Was Project Completed on Schedule and Within Budget?**	Project is on schedule & within budget

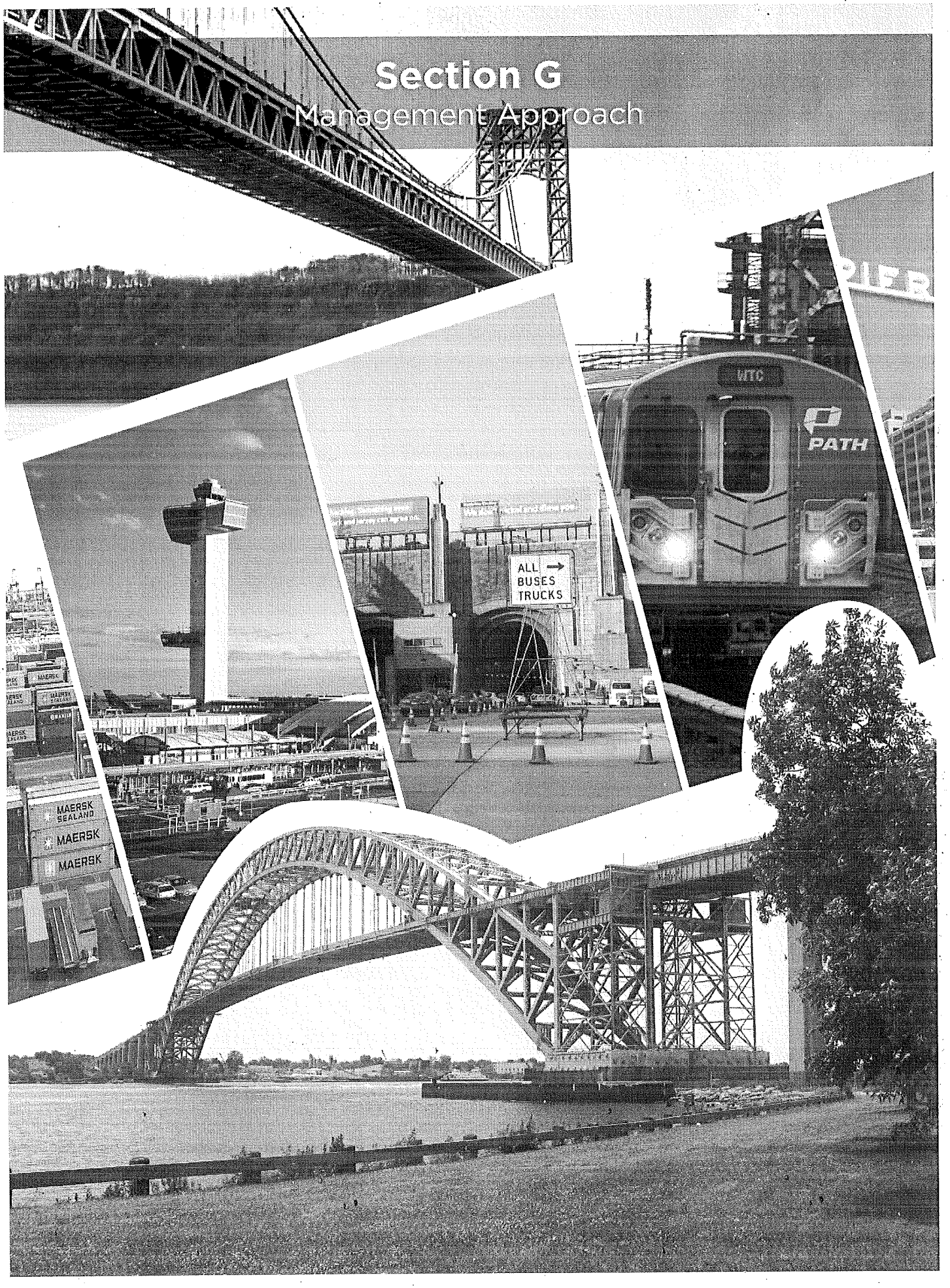
Location of Work: Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union, and Warren Counties, NJ. GPI is providing Maintenance Construction Inspection Services for a 3-yr Term Agreement for various 100% State Funded Contracts and Permit Projects in Region North. The majority of the maintenance work is located in the counties of Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union, and Warren. Various task orders for work that includes construction inspection for maintenance drainage, paving, bridge concrete repair and moveable bridge repair contracts. Includes both roadway and bridge work, both day and nighttime operations, MPT.

Construction Management and Construction Inspection Services, Easton-Phillipsburg Bridge Rehabilitation, Contract CM-437A GPI

Contracting Party:	Delaware River Joint Toll Bridge Commission, 110 Wood and Groves St., Morrisville, PA 19067 **Contact:** Christopher Harney / Project Manager, [redacted]		
Contract Duration:	2 Years	**Date(s) of Services:**	2013 - Present
Contract Amount:	$2.7 million	**Annual Staff Hours Expended:**	2013–4,824; 2014–4,099

Location of Work: Easton, PA/Phillipsburg, NJ. Multi-faceted rehabilitation of the Easton-Phillipsburg (Route 22) Toll Bridge and related facilities. Project elements include bridge painting, pavement repairs, deck replacement and repair, sub structure repairs, bearing replacement, electrical upgrades and toll plaza upgrades. Project includes multiple bridge structures: Main River Bridge, Broad Street Viaduct, Route 22 over SR 611, Route 22 over Bank Street, Route 22 over 3rd Street and the pedestrian tunnel at Bushkill Street. The rehabilitation elements include: pavement repairs and reconstruction throughout the facility; Main River Bridge and Broad Street Viaduct (deck removal and replacement, cleaning and painting of all structural steel, rehabilitation/replacement of deck drainage system, structural steel and substructure repairs as defined per inspection, and rehabilitate pedestrian railing); remove and replace superstructure of the Route 22 Bridge over SR 611; construct an ADA compliant ramp to the existing pedestrian tunnel under Route 22 at Bushkill Street; replace roadway and bridge lighting throughout the facility – lighting on Snyder Street to match Easton streetscape lighting; Bank Street and 3rd Street bridges (replace bridge bearings, mill and resurface bridge deck, clean and paint stringer ends and fascia beam, miscellaneous repairs); electrical upgrades to toll facility load center in Administration Building; and minor repairs and painting to toll booth facilities.

Section G
Management Approach



Section G – Management Approach
Performance of Expert Professional Construction Management and Inspection Services for as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

INTRODUCTION

The Port Authority of NY & NJ's Construction Management Program is successful because it was originally created and has been implemented over time based on the dual concepts of flexibility and diversification. Flexibility of task organization and staff management is a key component in fulfilling the need for rapid placement of skilled staff during multiple and varied work assignments and the necessity to hit the ground running during those assignments.

Diversification of technical abilities is equally important, allowing for staff to be placed on a variety of facility projects without interruption of service or loss of quality. This criteria works well within The Port Authority of NY & NJ's (Port Authority or Authority) unique hands-on management system, in which Authority personnel are placed in direct charge of and work side by side with consultant construction management and inspection staff. This approach to construction projects differs conceptually from most other clients in the New York City/New Jersey metropolitan area. Within this system, the leadership staff is comprised of Port Authority facility resident engineers and sometimes multiple assistant resident engineers. Based on the amount and diversity of work to be performed, the Authority's focus becomes more facility-oriented rather than project specific-oriented.

The Port Authority's distinctive construction management services approach requires that the consultants providing professional services possess and maintain the necessary breadth and depth of capable resources to respond to various task needs within relatively quick response times. In addition, qualification enhancements for existing staff to be considered for new assignments requires that a minimum of: 10 New York or New Jersey licensed engineers/architects, 10 ACI Concrete Construction Special Inspectors, 3 ICC Certified Structural Steel and Bolting Inspectors, and 1 NACE Level I Certified Coatings Inspector be included on each of the chosen construction management teams. The Greenman-Pedersen, Inc. (GPI) team has the required staff to address every one of these requirements, ***and more***. GPI team individuals assigned to Port Authority assignments are self-motivated, capable of working independently, and have the proper disposition to work productively alongside Authority representatives and contractors. It is these precise qualities that the GPI team offers the Port Authority for this important Professional Construction Management and Inspection Services contract. We have successfully demonstrated and continue to prove our ability to provide these services on a long-term basis during our previous 2002-2006 and 2006-2010 and present 2010-2014 "call-in" basis assignments and our current Bayonne Bridge Navigational Clearance Program (BBNCP) construction management and inspection efforts.

Currently, GPI and its consultant team have nearly 40 full time staff assigned to construction inspection on a variety of Port Authority projects under on-call assignments. Facilities at which these staff members are working include the Bayonne, George Washington and Goethals Bridges and Outerbridge Crossing, JFK and Stewart Airports, Holland and Lincoln Tunnels, PATH Stations, the Port Authority Bus Terminal, and Port Authority office facilities. By capitalizing on the GPI team's proven, talented staff and providing the opportunity for these experienced individuals to transition from their current assignments onto future program projects, the Port Authority will benefit immensely. Over the course of the last dozen years, GPI has expended significant time and energy honing this group's skill set in agency protocols and procedures, making these individuals ***the perfect candidates*** for future Port Authority projects. Also, the timing for transition of GPI staff is ideal. The current construction management contract will be winding down, allowing for a seamless transfer of qualified resources onto this next as-needed services contract. With more than 1,100 employees in offices throughout the eastern United States and bolstered by primary branch offices located in Long Island, New York City and metropolitan New Jersey, the GPI team stands ready to implement assignments at any of the Port Authority-owned and operated facilities whenever requested. **The GPI team is the right team for this project.**

PROJECT MANAGEMENT

The GPI management plan is put in play in advance of the first task order contract and will carry through for the life of this contract according to the following protocols:

- Upon notification of each assignment, GPI will review the scope of work, and identify key potential personnel from our organization chart who best fit the project scope requirements;
- GPI will develop the construction management and inspection team for the identified project requirements. Of key interest will be the assignment of staff who are:
  - ✓ Best qualified (PE, NICET, AWS, ACI, ICC, NACE, OSHA)
  - ✓ Relevantly experienced (PANYNJ, NYCDOT, NYSDOT, TBTA)
  - ✓ Cross-trained, capable of covering multiple operations
  - ✓ Background screened, or those with security clearance, if required
- GPI will respond quickly with the required information/proposal to the Port Authority, and will be ready to meet to discuss the team, scope of work, required hours, etc.

The GPI management plan will address key project components on a project-specific basis as applicable, such as:

Pre-construction Phase
- Review of project submittals
- Development of QA plan, H&S plan, inspection program
- Development of project controls

Construction Phase
- QA audits and reviews
- Safety audits and reviews
- Information dissemination
- Monitoring of schedule and costs

Post-construction Phase
- Close-out

The project manager will provide key management support in the form of administrative, staffing and technical advisory services. The project manager will work hand-in-hand with the construction manager and the Authority facility engineering staff to ensure that all necessary resources are available to the assigned project, and will be thoroughly familiar with all aspects of the work – whether they are design, construction or finance related. More importantly, the project manager will continuously review the ongoing field inspection and construction operations to ensure that product quality, worker and public safety and cost efficiency for the project is incorporated.

For this 'Call-In' contract, the GPI team is offering our top construction management staff and inspection team.

Gregory Zenk, P.E., GPI's Director of Construction Inspection Services, will serve as project manager. Mr. Zenk has served as project manager on a wide variety of construction projects throughout the New York City area. He is acutely aware of the expectations of the Port Authority–those of a first-rate, responsive consultant in step with a quality, on schedule, on budget and safely executed project. For the last 11+ years, during three consecutive indefinite quantity, on-call agreements, Mr. Zenk has been performing in this very capacity; first under our 2002 – 2006 TB&T services agreement and then under the general 2006–2010 and our current 2011-2014 agreements. He has been instrumental in working with the Authority on addressing technical issues and directing resources to Authority needs, and he clearly understands the delicate balance and unique relationship that must be maintained between facility operations and engineering and construction rehabilitation projects to keep things running smoothly. Most importantly, Mr. Zenk has been working closely with the Authority's Engineer of Construction for more than a decade, assisting with staffing and providing other critical resources needed for construction management of rehabilitation work totaling more than $350 million. His considerable knowledge and expertise in all facets of the Port Authority Construction Management and Inspection Services Program work tasks will be infused into the project team from day one.

TECHNICAL APPROACH

To provide the Port Authority with the best construction management and inspection services possible, GPI has developed over the course of three consecutive "On-Call" contracts and additional assignments a management/technical approach what we feel is key to the successful delivery of projects "The Port Authority Way". This approach is being continually tweaked in order to maximize effectiveness and improve efficiency across a wide array of assignment tasks and responsibilities, including constructability/biddability; construction staging; schedule development and monitoring; quality assurance inspection; contract administration; cost engineering/ estimating services; and resources.

The GPI approach incorporates an organized management plan designed to track deliverables, control costs, manage meetings, keep the Port Authority informed (issues and progress) and ensure quality control/quality assurance (QA/QC) using a variety of leading edge tools and practices to facilitate communication, support accountability and elevate quality. The following

discussion provides a categorized overview of the GPI management approach based on Attachment A of the RFP, outlining the scope of work and the list of consultant's tasks.

Task A. Constructability/Biddability and General Engineering Review

In concert with our involvement on major rehabilitation projects and programs for several of our New York City-area clients including the Port Authority, GPI regularly performs comprehensive constructability and biddability reviews. As identified in our organizational chart, GPI has a tremendous complement of technical experts having hundreds of years of collective construction experience on large urban transportation rehabilitation projects. Through these efforts, our contingent of experts have amassed a unique understanding of the special issues that can arise in an urban, highly congested environment like the New York/New Jersey corridor, particularly when working on large, historically significant structures.

The main objectives of a constructability/biddability review are: to ensure that the contract documents clearly communicate the owner's intent regarding the proposed work; to promote a competitive bidding environment; and to uncover any discrepancies or vulnerabilities in the plans and specifications which could prevent efficient, effective implementation of the work. In other words, the process is undertaken to provide answers for the following questions: *Can the documents be understood? Can they be administered and enforced? Will the Port Authority get a knowledgeable contractor to do the work at a fair price?*

The GPI team recently completed a comprehensive constructability/biddability review for the Port Authority's largest ongoing construction project at the Bayonne Bridge (BBNCP), a one-of-a-kind $700+ million fast-track undertaking to retrofit the existing bridge by raising the roadway 65ft within the Arch to allow for larger cargo vessels to pass safely underneath. The third party review focused on the 90% plans and specifications, with the following scope:

1. Assess the risk of identified methods and assumed constraints and suggest possible options for reducing the final bid price;
2. Review the adequacy of areas provided to the contractor for laydown/storage, mobilization & work;
3. Review the plans for potential use of alternate materials and construction sequencing;
4. Review the plans for any fatal flaws;
5. Review the plans for formatting and spelling errors;
6. Review the rationality of the schedule and timeline provided for completion of major milestones and overall construction.

The review team needed to take into consideration a wide range of existing and potential future conditions, applicable codes and regulations to assess such issues as: unknowns to be discovered during subsurface foundation work; actual as-built condition deviations from the design plans; utility interferences; extent of soil contamination beyond currently identified limits, etc. To accomplish this, the GPI team painstakingly categorized the plans and specifications into disciplines and major work elements such as arch span modifications; subsurface and foundation work; environmental compliance; civil construction; precast pier and segmental construction; maintenance and protection of traffic; electrical rehabilitation; and schedule development/review and use of incentives.

GPI's review yielded numerous insightful comments and productive suggestions on how to improve efficiency and/or reduce less than effective processes. The results were tabulated on a specially designed Port Authority spreadsheet and provided to the Authority for review and inclusion in the 100% design plans and specifications.

When tasked with constructability/biddability responsibilities during this "Call-In" contract, the GPI project manager will mobilize a task review team comprised of relevantly experienced individuals with demonstrated expertise in design and construction of similar type projects. The project manager will establish - in accordance with input and direction from the Engineer of Construction - the time-table for submission of draft reviews, put forth roundtable discussions with the GPI-led review team to discuss draft findings, and will oversee the preparation and submission of final review comments.

As was done during the BBNCP assignment, a database will be developed to inventory, organize, and track all relevant comments. Included comments will range from minor concerns to major potential deal breakers. By consensus, comments will be assigned priority status of low, medium or high. Our review team will review and openly discuss all comments with the Port Authority and the designer and provide appropriate direction/insight with regard to the clarification and/or expansion of any ideas/comments as necessary.

Our ultimate goal is to provide a perspective as close to the contractor's as possible during the constructability/biddability process to minimize the

potential for conflict during the construction and administrative processes by incorporating beneficial changes to the specifications and drawings during the final stages of design.

Task B. Construction Staging

Construction staging in essence is the building of a real-life jigsaw puzzle. By placing all the right pieces in the right places in the right order, a project comes together to form a clear picture of a successfully completed construction effort. The GPI team has incorporated construction staging into several of our recent reconstruction/rehabilitation projects, and we are well aware of the great rewards and the potential shortfalls of regimented construction processes. We have adopted from these experiences a proactive "what if" thought process approach, which projects forward a big picture vision of the work to be performed and evaluates the consequences of individually staged multiple construction scenarios. The process focuses on innovative approaches to staging and sequencing of projects and construction tasks to minimize inconveniences to the traveling public, unnecessary expenditures for the client and ways to reduce safety concerns throughout the work.

GPI is well aware of and sensitive to the critical need to keep traffic flowing with minimal inconvenience, particularly at toll generating facilities. As a primary example of GPI's capabilities in providing these crucial services, at the Bayonne Bridge, during the constructability/biddability phase of the BBNCP, our review team realized that due to design-imposed lifting restrictions over live traffic, required traffic shifts could be reduced significantly in length on both approach roadways, resulting in significant reduction in time, manpower and materials needed for construction of the west side lane extension. This proactive evaluation of construction allowed the Port Authority to reduce the contract length before the project even started, ***saving $7 million***. GPI's collective experiences with staged construction at the Triborough (RFK), Williamsburg, Manhattan, Bronx-Whitestone and Bayonne Bridges over the past several years have reinforced the importance of minimizing delays and other impacts. NYC area clients continue to look to GPI for recommendations on how to improve all types of staged construction.

During development or review of staging plans, the vast experience of the GPI team will be supplemented and additionally enhanced by the capabilities of our outstanding traffic engineering department. The GPI traffic engineering department has developed MPT and layout plans for work at virtually every major Port Authority facility. This experience will be invaluable in optimizing construction staging for the variety of projects initiated at the many Port Authority facilities during this "As-Needed" Contract.

Task C. Schedule Development and Monitoring

The key to schedule control during construction is the development and proper utilization of a computerized critical path method (CPM) construction schedule. The CPM combines all activities related to approval, delivery, inspection, installation, and testing which could possibly affect the project timeline. Additionally, supplementary factors including cost, labor hours, and equipment resources needed to conduct the work are directly linked to these primary indicators. The master CPM network identifies all major project milestones and tracks them through the life of every project. This important tool will be used as the basis for the detailed construction schedule that all parties rely on to establish accountability for the project duration for each project assignment implemented during this contract.

On an individual assignment basis, the GPI schedule review team will evaluate the contractor baseline and monthly update schedules (as applicable) in accordance with the contract requirements, project plans and specifications, project resource and access constraints, and all other factors that are important to the project schedule to verify that contract requirements are adhered to, identified activities are logical, activity durations are realistic, and ancillary or minor work activities are not included on the critical path. We will also meet with the entire project team to discuss the project and its initial concerns and objectives relative to the scheduling process. The following is a list of the key elements that will be taken into consideration:

Compliance with the contract and industry standards - GPI will ensure that the schedule includes all significant work activities, including submittals and submittal approvals, off-site fabrication, and delivery. We will check to ensure that less obvious activities, such as permitting, reviews, inspections, and testing, are included and the schedule's logic is both complete and appropriate.

Compliance with other contract requirements and technical schedule characteristics – We will consider the schedule's compliance with the technical contract requirements. These include contract milestones, project phasing, traffic control requirements, contract final completion dates, and similar contract requirements that affect the project schedule. GPI will evaluate each

schedule based on its resource projections and review other submissions including: network diagram, responsibility codes, manpower and equipment analysis, materials reports, and related bar charts, tabulated reports, and diagrams.

Minimize the use of constraints – GPI will check to ensure that the contractor's schedule makes minimal use of unnecessary constraints, calendars, and other software features which can affect the critical path, consuming float, and causing non-critical work to appear to be on the critical path.

Constructability and reasonableness - The schedule review must be based on an understanding of the contract scope, phasing, and traffic staging requirements, and our knowledge of similar reconstruction projects. During the review, GPI will highlight construction sequences and logic that do not appear valid or reasonable, and will work with the Port Authority and the project team to correct these shortcomings.

Cost - As presented on the contractor's cost-loaded schedules, we will check that the contractor has not unreasonably and unjustly loaded the front part of the schedule, and also that costs and labor man-hours are reasonably represented in relation to the specific activity duration and work scope. We consistently recommend that the baseline schedule be back-end loaded, in order to adequately accommodate required project closeout activities such as performance testing, training, and preparation and delivery of operations and maintenance manuals and as-built drawings.

In addition to the initial schedule review, the schedule must be updated and revised regularly to address real world changes, modification and adjustments to the theoretical baseline projections. Our procedure for reviewing schedule updates includes many of the same checks as are included in the review of the initial (baseline) schedule. The monthly reviews begin by performing a side-by-side comparison of the new and most previous recent schedules to determine what has changed from the previous update. Monthly reviews include evaluating progress reported; evaluating changes to schedule logic and potential implications to work sequencing; reviewing the critical path; reviewing milestones; and progression of the work from the previous schedule update.

The monitoring assignments will include updating the CPM master schedule, verifying as-built information, analyzing and implementing schedule workarounds to recover from changes and delays, and ensuring that all project participants identified on the critical path are aware of their pending responsibilities. After a review of each new schedule update, GPI will prepare a summary evaluation report describing all deficiencies discovered during the review, including: the management report and project reports (which will include cost-loaded and resource-loaded, if desired), CPM schedule reports, summary bar charts, CPM networks and logic diagrams, as well as summary narratives that highlight current or anticipated problems. The results will be discussed during the monthly CPM review meeting with the Port Authority and the contractor.

GPI will conduct special studies that will become the basis for recommending workarounds and other schedule improvements. Special studies will be invoked as needed to identify and mitigate potential delays caused by any of the following circumstances: differing site conditions, operational restrictions, project planning alternatives, effects from other projects and uncategorized or unexpected occurrences such as decisions by the client and other technical considerations. We will supplement these studies with "what if" examinations of the schedule, which are intended to analyze potential schedule problems to anticipate the need for time recoveries.

Task D. Quality Assurance Inspection

Quality assurance is another key area where GPI excels. Our philosophy with regard to quality assurance inspection is simple – by paying attention to detail, small issues can be resolved as they are discovered – preventing them from growing into large issues that can affect construction processes, budgets and schedules. The GPI team is comprised of more than 250 New York/New Jersey area construction quality assurance inspection personnel. Unlike many of our local competitors, GPI does not adopt a "job shop" mentality for construction inspection assignments. Top-notch inspection starts with the quality of the individuals—their experience, training and ability to communicate with the Port Authority, contractor and each other. We are loyal to our home-grown inspection talent and technical professionals and, in spite of the nomadic nature of the construction inspection industry, we maintain a majority of staff who are long-tenured (>10 years). The result is an in-house inspection environment consisting of equal parts competence and consistency.

Another benefit is the 'comfortability' factor – our inspectors know one other and know the management staff as well. They are not just numbers; they are completely aware of each other's strengths and unique

capabilities, and therefore they can rely on each other for assistance in their particular areas of expertise. This provides for a dynamic inspection environment where the individual units come together in concert to create a highly qualified, all-encompassing, formidable team.

Another critical facet of successful inspection is having staff rich in project-relatable experience. GPI, having completed many of the largest, most complex rehabilitation projects in the NY/NJ metropolitan area, is largely made up of field inspection staff members who have been exposed to just about every aspect of facility (bridge, tunnel, highway, interchange) rehabilitation. Major, long-term reconstruction programs at the Manhattan and Williamsburg Bridges have served as comprehensive training grounds for our maturing construction management and inspection staff. Since 1982 and 1991, respectively, these projects have literally replaced or completely rehabilitated all bridge, roadway, pedestrian and rail systems with traditional or state-of-the-art components – in some cases leaping 100 years of technological improvements during single rehabilitation events. In addition, GPI has served the Port Authority system-wide continuously since 2002 during multiple "on-call" assignments, which have created a tremendous familiarity with and understanding of Port Authority practices and protocols. During this time, our staff has worked directly with numerous Port Authority management and supervisory personnel at several facilities, inspecting a wide array of work tasks under differing site conditions, addressing multiple jurisdictional codes, specifications and guidelines to successfully complete large-scale, complex project assignments. The length of service provided at these facilities and others is a testament to the quality of the inspection teams provided by GPI to New York City area facility owners.

What also contributes to making GPI so successful is that since the early 1990s, GPI has been ahead of the curve in providing our inspection staff with the necessary training and certifications from nationally recognized engineering and inspection societies and association programs to meet the needs of a tremendous variety of rehabilitation projects. From complex welding processes and lead abatement operations and coatings application, to special inspection for reinforced concrete placement and steel bolting, GPI has sponsored engineers/inspectors to achieve the following training/certifications:

P.E./E.I.T.	State of NY/NJ
NICET	Levels I-IV Training Elements
ACI	Concrete Construction Special Inspector; Concrete Field Testing Technician Grade I; Aggregate Testing Technician Level I; Concrete Lab Testing Technician Level I
ICC	Structural Steel and Bolting Inspector; Reinforced Concrete Special Inspector; Structural Welding Inspector
AWS	Certified Welding/Associate Welding Inspector (CWI/CAWI)
NACE	Certified Coatings Inspector (Level I, II, III)
OSHA	10 and 30-hour Construction Industry Safety Training; Scaffold Competent Person; Confined Space Safety Training
NETTCP	Soils and Aggregate Inspector
ATSSA	Traffic Control Supervisor
FHWA	Safety Inspection of In-Service Bridges
NYCT	Track Safety Training
NJSAT	Asphalt Paving Technologist
NYSDOT	Maintenance and Protection of Traffic Certification
SSPC	Competent Person/Supervisor (C3/C5) - Deleading
LEED	Accredited Professional

In step with the Port Authority's continually expanding quality assurance program, GPI has emphasized the importance of providing our inspection staff with ACI/ICC Special Inspector training for concrete and structural steel and bolting disciplines, and have proactively trained our personnel to become certified in these areas. This cross-training approach lends a great deal of maneuverability when assigning staff to multi-disciplined projects such as this "As-Needed" services agreement. Our flexible approach reinforces the concept of attention to detail during inspection because it provides any inspector - regardless of assignment - with the ability to recognize site conditions with confidence, which might otherwise go unnoticed and possibly uncorrected. Ultimately, the major benefits of our attention to detail philosophy are cost savings for GPI's clients combined with superior quality of finished product.

Safety

GPI field inspectors inherently understand that their responsibilities extend beyond those of documenting and tracking generic construction work progress. A quality finished product is important but of equal value is how the

work is executed. The importance of safety for any project can never be emphasized enough; and it is GPI's number one priority—bar none. Given the continuous news stories of scaffolding collapses, workers falling from heights, etc., we are constantly reminded of the dangerous environments that engineers, inspectors and tradespersons face on a daily basis when executing construction projects. GPI recognizes that you cannot become complacent when working in temporary lane closures along busy highways, or working on elevated scaffolds and platforms and when working in close proximity to heavy equipment and machinery. We are cognizant of the potential ripple effect a serious or fatal injury can have on a project schedule and cost if outside agencies become involved (i.e. OSHA). To maximize the implementation of safety protocols and practices, GPI takes a three-pronged approach to ensuring that all personnel remain safe when working on projects that we manage: 1) Inspector Safety Training; 2) Monitoring of Contractor's Safety Training; and 3) Enforcement of the Contractor's Health and Safety Plan.

Our safety program applies to construction inspection staff and indirectly to contractor personnel, and is currently being implemented and enforced on our active Port Authority assignments.

To start, a preconstruction safety training session will be held with the GPI team staff. All employees assigned to the project after the preconstruction training session will be given an individual training session by the resident engineer or assistant resident engineer at the start of their assignment. As a supplement and to reinforce safety-first thinking, weekly safety meetings will be conducted by the resident engineer at which time specific topics will be discussed that involve requirements for fall protection, scaffolding erection, MOT protocol, etc. Inspectors will receive specific safety training prior to the start of special field work operations such as lead abatement, confined space entry, etc. Special technical seminars pertinent to the work will also be conducted at the site to discuss new advances and applicable changes to current OSHA regulations.

Prior to the beginning of construction, members of the GPI team will meet with the contractor and the facility's resident engineer to discuss and emphasize safety procedures. GPI will ensure that the contractor's approved *Safety Plan and Procedures* are strictly adhered to throughout the life of the project - including the OSHA requirement for them to implement weekly safety toolbox meetings. GPI team field inspectors will attend these meetings to monitor conformance with the OSHA requirements.

By continually focusing on and incorporating safety education, the objective to keep safety at the forefront of all participants' minds will be realized. If individuals do not follow required safety rules and regulations, the GPI team management stands ready to implement a zero tolerance approach to those who violate MOT, fall protection and other safety considerations.

In the event of an emergency, the GPI team will also enforce the following secondary requirements at the site:

- In the field office, a key telephone list of emergency, Port Authority and other important representative contacts will be maintained and posted.
- Two-way radios and mobile telephones will be used to maintain communication between the field office, inspectors, and the contractor.
- The GPI team will be fully cognizant of the location of all area emergency centers and hospitals.
- GPI will submit correspondence to area emergency agencies (i.e., fire, police, ambulance), identifying the work locations and best routes for emergency response.
- No obstructions will be permitted along emergency routes.
- A procedure to document incidents will be implemented, including photographs of the incident site and all pertinent accounting.

Maintenance and Protection of Traffic Operations

Experience and training are also GPI hallmarks when providing quality assurance inspection in the specialty arena of maintenance and protection of traffic (MOT) operations. GPI routinely provides training seminars, which are focused on federal, state and facility requirements for traffic maintenance, and worker and user safety. Many of our larger, long-term projects include implementation of staged construction, which exposes our inspection staff to multiple traffic detour, closure and alignment schemes and work zone pass-through manipulations at the same facility. This critical training/experience combination not only ensures that our field level and supervisory staff are kept current with federal and state standards and facility protocols, but provides them with the tools and motivation to implement them under a wide array of circumstances and conditions in an all-around more efficient, effective way.

GPI is aware of the importance of maintaining balanced traffic flow at all toll-generating facilities owned and operated by the Port Authority. Our quality assurance

inspection program is tailored to closely monitor the contractor's compliance with maintenance and protection of traffic contract requirements to ensure that adequate protection is in place at all times in accordance with the Port Authority's directives. As noted earlier, GPI inspection personnel will be completely familiar with these requirements before entering into the various project assignments. They will record any deficiencies in their daily reports and will report them to the resident engineer to take corrective action without delay. GPI team inspectors will continually inspect all work zones to ensure that adequate protection is in place at all times and the proper placement of temporary barriers, pavement markings, signs, and flashers are maintained by the contractor. The GPI team will take appropriate action in the field with the contractor to minimize or overcome traffic delays due to the contractor's operations, such as not adhering to lane closure allowable time restrictions and failing to maintain proper set-up of MOT materials and safety devices. Our inspection staff will serve as the liaison between the respective contractors and the Port Authority's resident engineer(s) for the coordination of work requiring maintenance and protection of traffic operations in conjunction with notification and approval of the facility operation managers.

During the construction periods when traffic schemes are in effect, members of the GPI team will monitor the contractor's compliance with the maintenance of traffic contract requirements on a daily basis. Placement and conditions of temporary construction signage will be continuously monitored to assure maximum effectiveness. The individual designated for MOT-related inspection assignments will be completely familiar with these requirements, as well as the NYSDOT Manual of Uniform Traffic Control Devices (MUTCD). The inspector(s) will constantly observe that all proper MOT protocols and approved plans are being adhered to.

During the progress of the work, which affects or may be affected by vehicular traffic, adequate safeguards and protective equipment to protect life, health and safety of the public and workers will be provided by the contractor. GPI will ensure that the contractor provides such measures in conformance with a detailed MOT plan. The referenced plan, to be provided by the contractor and reviewed and coordinated by GPI, will include:

- Written text defining the proposed schedules of lane closures and the work scheduled to be completed during each task affecting vehicular traffic.
- A detailed description defining the duration of any proposed lane closure. Lane closures, when required for the progress of work or dictated by safety requirements, will be limited to the hours of operations as defined in the contract documents.
- A detailed listing of equipment and manpower proposed to implement the traffic control plan and methods for installing and removing traffic control devices.
- Full size traffic control plan drawings of the proposed equipment layout and location of safety and traffic control devices such as truck-mounted impact attenuators, flashing arrow boards, regulatory and warning signs, and traffic cones. Plan drawings will also identify specific construction vehicular access points.
- Procedures to be followed in the event of an accident. At a minimum, this would include identification of designated and responsible GPI personnel, designated contractor personnel in the field, and representatives of the Port Authority.

As part of the overall traffic control plan, GPI will coordinate field meetings with the contractor to confirm that his labor force is fully informed of the plan specifics and their individual responsibilities. These meetings will also serve to instruct and remind field personnel of potential hazards within the work zone. The extensive relevant experience of our team will be an invaluable asset as the various phases of construction are implemented, so that the traveling public can safely pass through the construction zones at all times, without discomfort or inconvenience, and the contractor and construction inspection workforce are properly protected from passing traffic.

In addition to MOT operations, coordination of work activities and locations for all construction work tasks will be necessary to sustain a conflict- and delay-free work environment. This is of critical importance, considering that there may be several simultaneous contracts underway at multiple facilities, plus scheduled routine maintenance being performed by the Port Authority's own forces. Although contractors are clearly notified and kept apprised of the possibility of interference with other active contracts and facility maintenance forces, the GPI team will take a proactive role in the coordination of these work operations to minimize potential conflict. GPI, under the direction of facility engineering, will hold monthly coordination meetings with all stakeholders to discuss short- and long-term schedules so each participant has a clear understanding of what the others are doing. Additionally, weekly look-ahead work schedules will be available and

distributed to all stakeholders. The project manager and staff will maintain contact lists containing office phone and cell phone numbers and respective emails addresses for the key people involved with each project so that in the event that changes occur in schedules or emergencies arise, we can quickly and effectively coordinate response actions and alternative planning. These proactive coordination measures are currently being implemented at the Bayonne Bridge (BBNCP), where substantial detour/rerouting and realignment of main span, approach ramp and feeder roads has been coordinated and implemented without concern in advance of major work activities being performed during the bridge reconstruction process.

Inspection Documentation

As part of our quality assurance inspection program, inspectors will prepare daily reports for each calendar day of work in the contractor's contract. Entries will be based on his/her inspections of the relevant daily activities performed by the contractor and subcontractors. Acceptability of the work will be based on conformance with the contract documents and referenced standards. The inspectors' daily report (IDR) includes sections for general information and also for specific site conditions and events, including: weather, location and description of work performed; payment information; deviations and non-conformances; safety violations; and identification of the contractor and subcontractor's personnel and equipment utilized during the daily work operations. When completed, the IDR's are incorporated into EBuilder, the Port Authority's newly adopted document management system database, where they can be reviewed by the resident engineer and other Authority management personnel, as applicable. In addition to standard reporting attachments utilized by the Port Authority, GPI has developed activity-specific checklist attachments to the IDR designed to provide individual task details and intended to enhance data presentation and ease of use. The following are examples of IDR possible attachments the Port Authority and/or GPI may incorporate: Non-Conformance Report; Accident Report; Item/Activity Specific Checklist; Equipment Calibration Sheet; Material Delivery Sheet; Deviation/Punchlist Sheet; Concrete and Asphalt Placement Checklist(s); and Field Paint Application Checklist(s)

Our programs are based on ISO 9001 standards for quality assurance and will be structured to meet or exceed the Port Authority's expectations.

Deficiency/Punchlist Tracking

Throughout the life of each assignment, the assistant resident engineer and office engineer will assist the resident engineer in the development and maintenance of deficiency punchlists, through the use of our relational databases, which indicate descriptions of any discrepancies or deficiencies in the work performed by the contractor, and, if required, an associated cost to correct each item. The punchlist process will start with the GPI field inspectors who, when noting a deficiency, will fill out and attach to their daily report a deficiency punchlist form. When it is received in the office, the office engineer will input all pertinent information into the EBuilder project database. Monthly report updates will be generated and distributed to both the Port Authority and contractor. The EBuilder database will automatically keep a running total of the costs and give the contractor a clear and thorough understanding of the scope and cost of each item. By doing this, the contractor will take care of these issues during the course of the project instead of waiting until the end and having deductions taken from their substantial completion invoice. Completion of all established punchlist items will be verified and documented prior to final acceptance of the work. The punchlist will also include any outstanding documentation.

Non-Conformance Control

GPI intends to minimize the need for action in this regard by achieving, in advance, a full and thorough understanding with the contractor of what is expected and required from all parties. In order to secure this, the resident engineer/assistant resident engineer will schedule pre-work meetings with the contractor to review each new type of operation before work on that operation begins. Appropriate members of the inspection staff will attend and participate. The contractor will be expected to bring responsible supervisors and subcontractors when indicated as appropriate by the resident engineer. Pertinent safety provisions, materials testing and certification requirements, approved shop and erection drawing availability, maintenance of traffic requirements, lay down areas, access to the work, means and methods and other technical aspects of the work operations will all be reviewed. Depending on circumstances, the resident engineer/assistant resident engineer will prepare special minutes of the pre-work meeting, add a section to the regular job meeting minutes, or write a memo confirming understandings reached at the meeting.

In the event that any unacceptable or substandard work is discovered, or installation of material or equipment has not been properly approved, the inspector will immediately

verbally inform the contractor's supervisor of the affected operation, and direct immediate correction of the situation. If this secures satisfactory correction and subsequent compliance, the inspector will note the incident in his Daily Report. If, however, the contractor does not immediately make a satisfactory correction or comply, and the inspector is ignored or the contractor's representative disputes that the work is deficient, then the inspector will inform the resident engineer of the situation. Upon immediately reviewing the inspector's action, and if he concurs with the inspector's finding, the resident engineer will inform the contractor in writing, in the form of a non-conformance report, of the offending work's rejection. The incident will be recorded by the inspector in his/her IDR. There will be no payment authorized for the rejected work until it is satisfactorily corrected, accepted as is by the Port Authority, or removed and satisfactorily replaced. Neither will there be any payment for subsequent work which, though otherwise acceptable, would have to be removed or disturbed to uncover or provide access to the rejected work. If this fails to secure compliance, the resident engineer will recommend to the Port Authority's project manager that work be suspended until satisfactory corrections are made. The situation will be tracked in project Meeting Minutes and in a non-conformance status log as detailed by the Port Authority's recordkeeping protocols.

Security

Unfortunately, the world has changed since September 11, 2001. New York City has changed also. As the financial capital of the world and the nerve center of the United States, NYC in particular is a vulnerable target for terrorist organizations looking to make another statement on the world stage and destroy our accustomed way of life. Recent attempted attacks aimed at the heart of Manhattan and our iconic bridges and tunnels remind us that protecting our most valuable assets has become of paramount importance.

Based on the events of 9/11, security has been elevated to the forefront of facility needs and infrastructure protection throughout the Port Authority facility network. The Port Authority has responded with new security and safety zone provisions that are now in place and are currently being implemented by teams of GPI inspectors at multiple bridge and tunnel facilities.

Secure Worker Access Consortium (S.W.A.C.)

The Secure Worker Access Consortium (S.W.A.C.) was originally developed in cooperation with the Port Authority to assure the highest levels of identity and criminal background screening for workers who access our nation's critical infrastructures such as the World Trade Center complex, NY/NJ airports, rail and bus terminals, bridges and other sensitive transportation facilities. The S.W.A.C. program promotes safe and threat-free work sites by ensuring that all contract personnel and subcontracted labor successfully complete background screening and credentialing in accordance with the criteria for any assignment they participate in. S.W.A.C. officially began operations on February 1, 2007 in the NY/NJ region at Port Authority airports in both states, and has continually expanded to cover all Authority facilities.

S.W.A.C.'s unique strength is its ability to effectively facilitate a cooperative effort among public and private agencies, facility owner/operators, contractors, and their labor partners. Real-Time Verification™ (RTV3) technology utilized by S.W.A.C. enables the secure online sharing of personal information so that security managers can easily verify that workers are known and have a demonstrated threat-free history in accordance with unique, site-specific screening standards. Most importantly, information sharing eliminates redundant identity and background checks that translate into significant efficiencies and cost, and improves regional security. S.W.A.C. has been proven to be truly multi-functional and effectively interoperable in real-world use by the NY/NJ regional transportation sector. GPI is completely familiar with and has participated in the S.W.A.C. secure identification system on multiple Port Authority projects and is fully committed to using this technology to minimize potential threats during any assignments under this 'call-in' contract.

The GPI team will continue to implement the current plan and any changes that Port Authority Police and security may require as the program continues to evolve. The current plan includes the following:

- Project Contact List – Copy of current project emergency telephone numbers.
- Mustering Method for Crews – Outline of how personnel will be received, identified and released from project work areas.
- Personal Identification – Each and every project participant shall wear photo identification, clearly displayed, that is issued by the Port Authority through the Secure Worker Access Consortium (S.W.A.C.) or Airport specific security ID offices.
- Deliveries – Outline of how equipment/goods will be received, tagged and removed from project areas.

- Flammable Items – Type, size and location of flammable inspection items.
- Vehicle List – Type, location and operator.
- Personnel List – List of workers for active projects.
- Needs/Solutions – Project unique security items and proposed means to address them.

Public transportation facilities are truly business enterprises on a grand scale. In the days since 9/11, for a large public transportation agency it is a necessary but exceedingly difficult task to completely protect multiple facility venues when confronted with a very real and ever-increasing potential threat. To complicate matters, implementing simultaneous construction contracts at multiple facilities means allowing and tracking scores of tradespersons as they move regularly through and around security-sensitive areas within individual facilities. It is precisely within this range of security parameters that the GPI quality assurance inspectors are most effective as pro-active members of the Port Authority's front line security effort.

Our long-term exposure to/and implementation of daily security protocols at high-profile Port Authority facilities - Bayonne, George Washington, Goethals and Outerbridge Crossing; Lincoln and Holland Tunnels; and JFK , La Guardia and Stewart Airports - will be invaluable tools in the Port Authority's continued vigilance against security threats throughout their transportation system. By serving as additional eyes and ears during ongoing construction activities, GPI will be actively and acutely aware of all changing conditions regarding materials, equipment and personnel at each jobsite. As such, the GPI team will take the lead in notifying Port Authority security forces of any instances of suspicious and unattended packages, unauthorized personnel and vehicles, and potential threatening conditions. With direct communication links to Port Authority security and local police and emergency providers for real-time response, the GPI team will be an integral and major link in the Port Authority site security program chain.

Task E. Contract Administration

The core component of the overall quality assurance process for any construction rehabilitation project is the administration program. The administration program consists of procedures and protocols developed and implemented by the administrative staff to track and document all correspondence and project records from start to finish to/from all participants. The success of the administration program is invariably linked to the organizational skills, relevant experience and qualifications of the administrative staff.

Since 2002, the GPI team has developed, completed, and is currently implementing administration programs for several Port Authority projects very similar in scope and complexity to those anticipated under this 'call-in' contract. As such, the GPI team members include assistant resident engineers and office engineers who have held leadership positions in quality assurance (QA) administration and have implemented quality assurance processes at Port Authority facilities system-wide. From GPI's extensive experience and our thorough understanding of the Port Authority's contract administration process, we have outlined the following criteria which we strongly feel must be considered during project start-up to yield a successful contract administration program at the end of each assignment.

Post Award Contract Changes and Change Orders

Post Construction Award Contract Changes (PACCs) are an important part of the administrative process. PACCs are prepared and initiated on an individual basis, and can be issued by multiple departments within the Port Authority realm (Construction Management Division, Project Management Division, Tunnels Bridges & Terminals, etc.), depending on particular circumstances. The department that initiates a PACC prepares all required documentation backup, including:

- Contract data, description and reason for the change;
- Engineer's estimate and drawings, sketches and photos detailing the scope of work;
- Required forms and supplemental information.

During the review process, the GPI team will assist the resident engineer in researching and preparing independent, task-specific PACC estimated costs (Engineer's Estimate), utilizing various available resources, including: the "Construction Trade Labor Rates for Estimating Construction Projects", Blue Book rates for equipment, on-line estimating resources, construction experience, and discussions with the chief estimator's office. The completed PACC package, including signed drawings or field sketches, is forwarded, in order, to the resident engineer, the engineer of construction, and the line department for review and approval. When the estimate for the PACC exceeds $50,000, the assistant chief engineer joins the review and approval process. The resident engineer simultaneously solicits a request for quote (RFQ) from the project contractor. Upon receipt of both the contractor's proposal and the approved PACC by the resident engineer, the contractor's proposal is

compared against the engineer's estimate. The contractor's proposal is deemed acceptable if it falls within the following guidelines:

Engineer's Estimate	Deviation in Contractor's Estimate
<$10,000	25%
$10,000-$25,000	15%
$25,000	10%

In cases of deviation of the contractor's cost proposal outside these ranges, the PACC is re-issued by the resident engineer and the review process is repeated using the contractor's cost for comparison. The Port Authority can either accept the contractor's price or exercise the option to proceed with the PACC work on a time and material (T&M) basis. In either case, once the work is authorized to be performed and funding has been allocated, the PACC becomes a change order and the contractor can begin work. GPI has extensive experience in reviewing and processing PACC requests using Port Authority guidelines and has, on previous occasions, provided key input within this process that has been beneficial in providing time and monetary savings to the Port Authority.

Time and Material Procedures

Change orders are included in the contractor's monthly requests for payment. For change orders in conjunction with an agreed price, payment is made based on the percentage of the work complete. For T&M change orders, contractor-submitted records for all labor, materials and equipment are reviewed and accepted by the office engineer via Desk Audit.

Time and material work falls into three categories - net cost work, extra work, and disputed work. Net cost work is work that may occur but uncertainty exists as to the necessity or the actual quantity of work to be performed (for example underground utility relocation). Extra work and disputed work occurs when the contractor is ordered by the Port Authority to perform work not originally anticipated, or due to changed or unforeseen field conditions/requirements, while an agreement on the value of the extra work is negotiated. Extra work can be paid either as a lump sum payment, or based on T&M records compiled during the performance of the work.

During work that is considered to be paid on a T&M basis, the resident engineer will issue a Letter of Direction to the contractor to proceed with the extra work. GPI inspectors will track and record all aspects of the work being performed, including man-hours spent, use of materials and equipment, and any conditions or circumstances that may be relevant to establishing validity of payment for the work. The tracking tickets will be corrected (if applicable), signed and stamped by the inspector, and then will be forwarded to the office engineer for review and to verify or reject the legitimacy of the contractor's request for payment. If the resident engineer and the contractor can agree to a lump sum before 50% of the scope of the extra work is complete, a revised PACC for the agreed upon amount will be processed in accordance with standard construction PACC guidelines. In the event that the work is completed prior to final agreement of a PACC, the T&M tracking data will be utilized during the negotiation process to establish a fair and agreed upon lump sum price. The GPI office engineer will provide the resident engineer with all pertinent information and back-up available in order to make an informed final decision for the approval or disapproval of the contractor's T&M request.

Classified Items

At the start of each assignment that utilizes unit price items, the field engineer will prepare a summary log of classified items for his/her use. As part of daily inspection quality assurance protocol, the classified item work in progress will be recorded in the daily narrative. The recorded item/completed quantities are provided to the office engineer for entry into Wintrak for subsequent tracking of contract work completed progress. This method of tracking/recording completed item progress will be a useful tool in evaluating whether the assignment is proceeding on time, by comparing in real-time the work completed percentage (in $) versus the time completed percentage (in CCD) to determine whether the project is ahead of or behind schedule.

Partial Payment Processing

Payment applications are submitted by the contractor on a monthly basis. Port Authority contracts can be paid as lump sum or individual item contracts; therefore progress payments are based either on the percentage of work completed or direct measured quantities. The GPI administrative staff has significant experience within the Port Authority system with these payment-tracking scenarios. The process for the monthly payment application will be as follows: Upon submittal of a payment request by the contractor, the GPI assistant resident engineer will review and verify the submitted percentages and/or measured quantities. Percentages and measured quantities (as applicable) will be confirmed through a calculation verification process to ensure that reported quantities are accurately represented (all time and material

charges will have been previously "desk audited" by the office engineer). The office engineer will compile and review all required back-up forms (in an Authority-approved format) prepared by the contractor. The assistant resident engineer will then submit the reviewed payment (with comments as necessary) to the resident engineer for approval and subsequent processing.

Document Control Systems

For the past three-plus decades, GPI has been actively involved in construction management and inspection endeavors for major bridge rehabilitation and retrofit projects in NYC for key clients such as the Port Authority, NYCDOT, NYSDOT and the TBTA. During this time, GPI has been involved every step of the way with developing and implementing a multitude of improved computerized documentation control systems (CDCS) using wide-ranging and cutting edge CDCS methods and programs.

The GPI team is thoroughly knowledgeable and fully capable of incorporating the latest technology and automation tools available into the contract administration process to manage project information and data. For ongoing Port Authority projects, GPI is currently using Wintrak (similar to Contrak) to administer and maintain all payment information (progress payments, classified items, net cost, Pending Item Notifications (PIN's), PACCs).

Additionally, GPI office engineers and administrators have maintained document control systems including relational databases for the tracking of all project information such as Correspondence Tracking Systems; Shop Drawing Tracking System; Field Data Measurements; Submittal Tracking System; Progress Meeting Action Item Tickler; Deficiency Punchlist Tracking; and Material Control and Quality Control Program.

The preferred computer document control database is EBuilder, which was introduced to the Port Authority by GPI on the Bayonne Bridge Navigational Clearance Program (BBNCP). GPI is currently utilizing this progressive database on BBNCP for easy storage, manipulation, tracking and retrieval of large amounts of information, including: project submittals, requests for information (RFI's), non-conformances, shop drawings, correspondence, photographs and meeting minutes. EBuilder allows for quick sharing and dissemination of critical project information, creating a powerful and efficient management tool intended to elevate quality controls and assurances beyond the life of the project. The organization of the BBNCP project has been greatly enhanced by the use of EBuilder by increasing the accountability of all contract responsible participants. Our staff is completely familiar with and trained in the use of EBuilder, as well as Expedition, Lotus Approach and Microsoft Access.

Prepare List of Contractor Submittals and Deliverables

Before the start of construction, GPI will review the contract documents and develop a list of all documents (i.e., permits, affidavits, releases, bonds, waivers, manuals, shop drawings, procedures) required to be submitted by the contractor/subcontractors prior to beginning work or specific tasks. The list will be used by the GPI team and the Port Authority to ensure that all required documents are submitted by the contractor in a timely manner. The submittal list will be set up in the CDCS to track the status of any submittal at the touch of a keystroke. Reports will be set up to reflect key information such as the associated item number, responsibility, description of submittal, expected due date for submission, etc.

Set Up Project Filing System

Upon award, GPI will set up files for the administration of each construction contract in accordance with Port Authority standards, which will include the following as a minimum:

- The contract between the Port Authority and the selected contractor;
- Requests for information (RFI) that would contain all design- and construction-related questions generated by the contractor/CM and associated responses from the Port Authority/REI or Design Engineer;
- Field transmittal memoranda (FTM) which would contain all written correspondence to the contractor;
- Progress payments for storage of records for all contract payments;
- Material certifications;
- Minutes of meetings;
- PACCs, change orders, including all change order data;
- Bid documents, including contract drawings, proposal and all addenda;
- Field changes and as-built conditions;
- MSDS;
- Suppliers;
- Subcontractors;
- Permits;
- CPM schedule;
- Security program;
- Field inspection program;
- Notice of proposed change order and amendment tracking;
- Emergency demobilization plan;
- Safety plan;
- Quality Management plan

As previously noted, GPI will maintain a computerized document control system as stipulated by the Port Authority for the digital storage and transfer of the project files.

Project Meetings

Project meetings are another key element for a successful rehabilitation project, for they present an open forum for all parties to review and discuss scheduled and anticipated events, construction and administrative progress, and ongoing issues of concern.

It is the intention at GPI for the assistant resident (Lead) engineer and the office engineer to attend and contribute valid input during all project meetings, which can be numerous. For instance, during our current Bayonne Bridge (BBNCP) project, the following meeting schedule is adhered to:

- Weekly contractor/MOT/ security meeting
- Weekly technical meeting
- Weekly project coordination meeting
- Bi-weekly progress meeting
- Bi-weekly schedule meeting
- Monthly facility coordination meeting

For any assignments designated to GPI under this 'Call-In' contract, we will attend and participate in these meetings to address construction issues and the performance of work during the life of each assignment, and to keep Port Authority management informed of issues and progress for the life of the assignment.

Regularly scheduled project meetings will also serve as prime opportunities to embrace effective coordination and communication amongst all project participants. GPI team members, the contractor's representatives, and subcontractors will attend the meetings with Port Authority representatives, design team members and others, as appropriate. This is considered absolutely essential for promoting the close coordination of all work activities and parties involved. At these meetings, all issues associated with the projects will be discussed, documented and resolved so as not to potentially delay construction. Schedule, submittals, manpower, facility access, project progress, impact by/on other construction projects, and coordination with outside agencies (such as utilities) are just some of the issues that will be addressed on every meeting agenda.

Task F. Cost Engineering/Estimating Services

In order to enhance our construction management services, GPI has included PACO Group, Inc. on our team to provide cost engineering/estimating services. Under the direct supervision of GPI, PACO will provide the Port Authority with a full range of estimating services for all construction disciplines and all types of estimates. These include conceptual estimates, preliminary estimates, schematic design estimates, design development estimates, and estimates of all necessary working drawing phases up to and including final estimates. Additionally, our team is experienced in value engineering, owner's representation, feasibility studies, comparative cost analysis, bid analysis, change order negotiations, product studies, and review of contractor bid items. **PACO has successfully provided these quality services to the Port Authority in the past.**

Cost estimating constitutes the foundation of project cost and schedule control, and gives owners control over their projects. The GPI team recognizes the need for owners to minimize costs, and utilizes seasoned professionals who understand the complex variables which determine cost: materials, equipment, labor rates, productivity, profit, benefits, taxes, insurance, schedules, etc. We combine this understanding with unmatched estimating and cost management skills, accurate data and a thorough knowledge of client objectives to create the information needed to make sound functional and economic decisions during design, and to effectively control costs during construction.

Estimating is typically a four-stage process that, throughout the design phase, develops increasingly accurate cost information for the client. Cost reduction decisions made during design, and before major monetary commitments, save clients time and money, and encourage responsive construction bidding. With our system, we can adjust the method of take-off to varying levels of detail, depending on the available plan and specification data. This feature enables GPI to produce reasonable estimates from very preliminary information.

1. The first project estimate, the budget/conceptual estimate, compares the initial budget with historical cost data for a similar project. The historical cost data is continuously updated by our knowledge of current market conditions. This estimate also takes into account specific project and site constraints as well as financial limits. We then work with the design team to achieve these goals. Construction costs are compared with our own and industry databases to identify high cost elements and suggest ways to reduce them.
2. The second estimate defines major building components, such as site work, foundations, and specialty items, for which we can develop preliminary

costs. A more detailed review of the A/E's cost estimate is performed at the design development phase as specific project components are better defined. GPI estimators review the design to identify information and systems. All estimates are reconciled using applicable unit rates based on current cost information. Should the situation occur in which information is unavailable on a particular component or portion of the estimate, GPI will factor those costs based on historical data.

3. The third estimate evaluates and defines the cost of major elements and sub-elements, including long-lead items and other major requirements. From these three estimating procedures, problem areas with respect to cost will be identified for review and reevaluation.
4. Finally, our estimators use bid documents, complete working drawings and specifications to establish the fourth and most detailed estimate - the takeoff construction estimate. This final estimate serves as the basis for the computerized cost control model that is used to monitor project status throughout construction. It should be understood that estimates are performed before and in support of value engineering studies.

Each estimate takes into account specific project characteristics: operational constraints, environmental considerations, utility relocation and upgrading, design requirements, construction phasing limitations, and any temporary operational measures required. It also reflects logistical problems the contractor may have when actually organizing and constructing a proposed project. For each estimate, a realistic allowance is made for cost escalation and contingency. This allowance is identified and included in the total cost.

Task G. Resources

The depth of resources provided by the GPI team and the breadth of experience in the discipline areas required (civil, structural, electrical, mechanical) will be the key to the successful execution of the Port Authority's assignments under this contract. GPI is prepared to fully commit our team's vast resources to this project. With a combined resource pool in the NY/NJ area of more than 400 multi-disciplined engineers and quality assurance inspectors, the GPI team is ***perfectly*** positioned to respond to the needs of any project assignment. Please see the organization chart and the experience matrix in Section E1 of this proposal which gives the credentials of the staff that meet the requirements outlined in the RFP, and also included below:

-10 NY/NJ Licensed Engineers/Architects – **41**
-10 ACI Concrete Construction Special Inspectors – **13**
-3 ICC Certified Structural Steel & Bolting Inspectors – **17**
-1 NACE Level 1 (or more) Coatings Inspectors – **35**

With regard to other resources needed to complete construction management assignments, we have at our disposal both in-house and outside support services for providing surveying, material subconsultants, testing services, leasing of project vehicles, and industry specialist relationships. GPI routinely enters into subcontractor, testing and leasing agreements on many of our assignments.

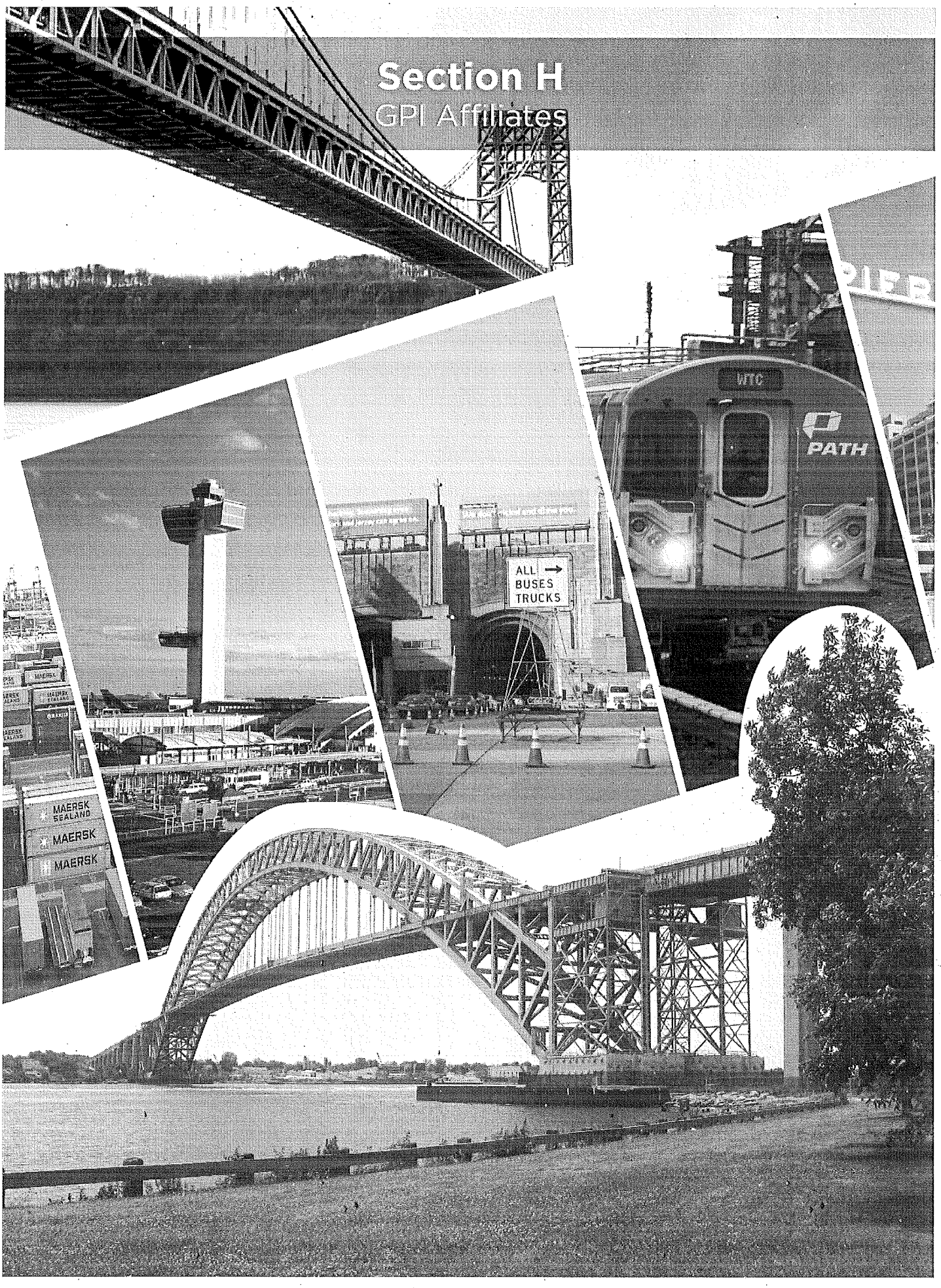
Subconsultants and M/WBE Participation

GPI is thoroughly committed to using qualified and experienced M/WBE firms that are in compliance with the Port Authority's guidelines As such, we have joined forces with the same firms with which we have successfully teamed for the past two Port Authority 'Call-In' contracts. This is a supremely qualified and dedicated construction management and inspection team, capable of delivering the necessary comprehensive quality assurance services for this 'Call-In' contract. We will meet the goals specified in the RFP. The firms we have selected bring outstanding capabilities in the field of construction management and inspection. Our team's MBEs are **Maitra Associates, P.C.** and **PACO Group, Inc.**, and our WBE is **LPE Enterprises, Ltd.**

Summary

The GPI team is absolutely capable of addressing all assignments presented to us by The Port Authority of NY & NJ. For the duration of all or any of these potential assignments, the Port Authority will have at their disposal a team of particularly qualified, multi-discipline professionals ready to tackle a wide range of assignments at any of the facilities owned and operated by the Port Authority. In keeping with our long history of providing comprehensive, dedicated, successful construction management and inspection services, the GPI team is eager to continue working with the Port Authority's Construction Management Division.

Section H
GPI Affiliates

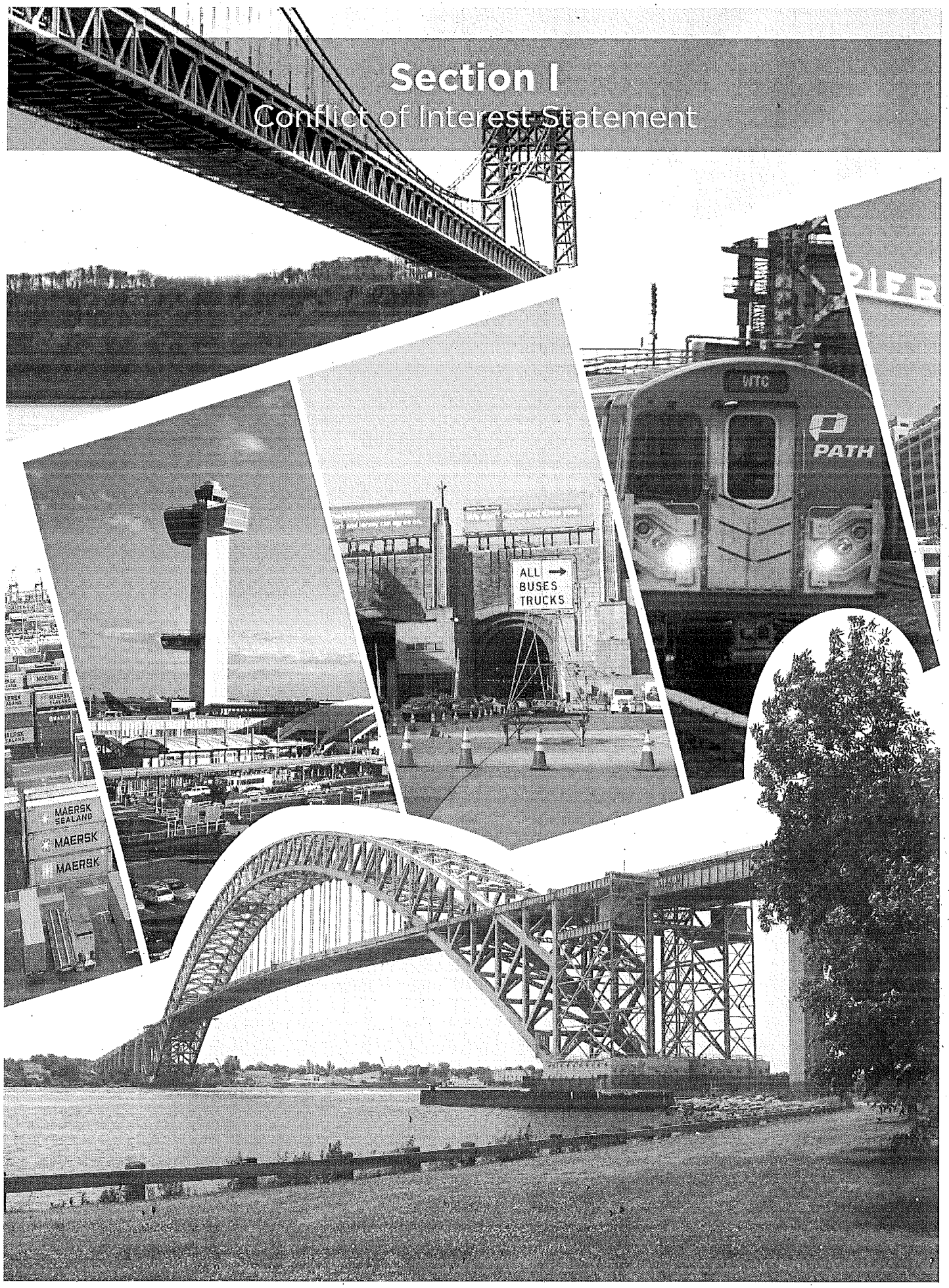


Section H – GPI Affiliates
Performance of Expert Professional Construction Management and Inspection Services for as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

The following is GPI's affiliate:

GPI Land Surveying & Engineering, LLP
325 West Main Street
Babylon, NY 11702
EIN 35-2221195

Section I
Conflict of Interest Statement



Section I – Conflict of Interest Statement
Performance of Expert Professional Construction Management and Inspection Services for as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

Greenman-Pedersen, Inc., nor any of its employees, agent or subcontractors have, may have or give the appearance of having any conflict of interest with respect to the Port Authority of New York & New Jersey.

MAITRA ASSOCIATES, P.C.
Consultants: Engineering and Construction
450 Seventh Avenue • 9th Floor • New York, NY 10123 • 212-868-4848 • Fax: 212-868-4877

September 5, 2014

Mr. David Gutierrez,
Manager, Construction Procurements
Procurement Department
The Port Authority of NY & NJ
2 Montgomery Street, 3rd Floor
Jersey City, NJ 07302

RE: RFP # 39247
CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018

Dear Mr. Gutierrez:

We hereby affirm that Maitra Associates, P.C. has no conflicts of interest with regard to the subject project
Thank you for your attention to this matter.

Sincerely yours,
MAITRA ASSOCIATES, P.C.

David L Ridgway

David L. Ridgway, P.E.
Vice President, Operations

DLR:mf

PACO Group
110 William Street
12th Floor
New York, NY 10038
t: 212.685.0578
f: 212.685.1379

CERTIFICATION REGARDING CONFLICTS OF INTEREST

For purposes of Contractor performing services for the Port Authority of New York and New Jersey, "conflict of interest" means that, because of activities or relationships with other persons or entities, (1) Contractor is unable to render impartial assistance or advice to the Port Authority, (2) Contractor's objectivity in performing the services under this contract is or might be otherwise impaired, or (3) Contractor has, or attempts to create, an unfair competitive advantage.

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. It does not and will not have a conflict of interest in performing the services for the Port Authority pursuant to this contract.
2. It will not: (a) engage in activities, or (b) initiate or maintain relationships with persons or entities, where such activities or relationships create a conflict of interest.
3. It will use its best efforts to identify and prevent potential subcontractor conflicts of interest. Contractor will inform the Port Authority of any activity or relationship that Contractor has reason to believe may create a conflict of interest.
4. It is not a party to any existing agreement which would prevent Contractor from entering into and performing this contract.

PACO GROUP, INC.

Name of Bidder/Offeror/Contractor

Signature of Authorized Representative

LUIS LUGO, JR.

Printed Name of Authorized Representative

PRESIDENT & COO

Title of Authorized Representative

09/04/2014

Date

LPE
ENTERPRISES

CONSTRUCTION MANAGEMENT SUPPORT SERVICES
PHONE: 800.573.5739 | FAX: 800.257.3329 | EMAIL: LAUREN@LPEENTERPRISES.COM

September 5, 2014

Greenman Pedersen, Inc.
325 W. Main Street
Babylon, NY 11702

Reference: Port Authority of New York & New Jersey
Performance of Expert Professional Construction Management and Inspection Services
As Requested on a "Call-In" Basis During 2015-2018, RFP Number 39247

Dear Mr. Zenk,

LPE Enterprises, Ltd. is happy to be a part of the Greenman Pederseen, Inc. team proposing on the referenced contract. We do not have any conflicts of interest with relation to this agreement. In addition, we will comply with the standard agreement and its terms and conditions.

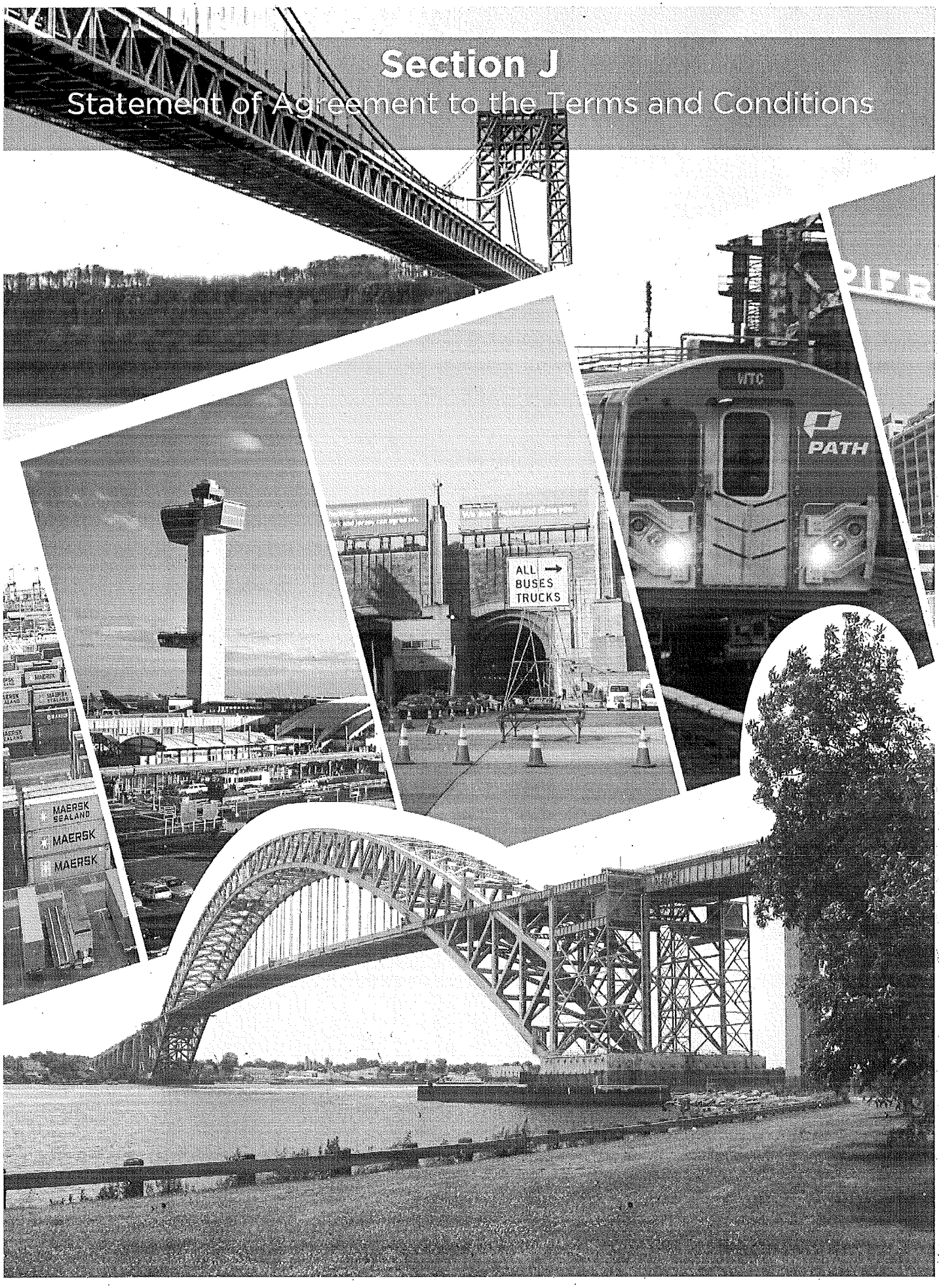
Very truly yours,

Lauren Esnes
President

1225 FRANKLIN AVENUE, SUITE 325, GARDEN CITY, NEW YORK 11530 | 798 PONCE DE LEON ROAD, BOCA RATON, FLORIDA 33432

Section J

Statement of Agreement to the Terms and Conditions



Section J – Statement on Agreement to the Terms and Conditions Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247

Greenman-Pedersen, Inc. (GPI) is in agreement with the form of this agreement and its terms and conditions. GPI has not made any changes in the Agreement, nor have we restated any of the provisions in this proposal for *Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018, RFP Number 39247.*

MAITRA ASSOCIATES, P.C.
Consultants: Engineering and Construction
450 Seventh Avenue • 9th Floor • New York, NY 10123 • 212-868-4848 • Fax: 212-868-4877

September 5, 2014

Mr. David Gutierrez,
Manager, Construction Procurements
Procurement Department
The Port Authority of NY & NJ
2 Montgomery Street, 3rd Floor
Jersey City, NJ 07302

RE: RFP # 39247
CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018

Dear Mr. Gutierrez:

We hereby affirm that Maitra Associates, P.C. will comply with the requirements of the standard agreement and its terms and conditions.

Sincerely yours,
MAITRA ASSOCIATES, P.C.

David L Ridgway

David L. Ridgway, P.E.
Vice President, Operations

DLR:mf

PACO Group

110 William Street
12th Floor
New York, NY 10038
t: 212.685.0578
t: 212.685.1379

STATEMENT OF COMPLIANCE WITH STANDARD AGREEMENT

PACO Group, Inc. has reviewed the Agreement in the request for proposal for Performance of Expert Professional construction Management and Inspection Services as Requested on a "Call-In" basis during 2015 through 2018, RFP Number 39247, and is in concurrence with its terms and conditions.

PACO GROUP, INC.

Name of Bidder/Offeror/Contractor

Signature of Authorized Representative

LUIS LUGO, JR.

Printed Name of Authorized Representative

PRESIDENT & COO

Title of Authorized Representative

09/04/2014

Date

LPE
ENTERPRISES

CONSTRUCTION MANAGEMENT SUPPORT SERVICES
PHONE: 800.573.5739 | FAX: 800.257.3329 | EMAIL: LAUREN@LPEENTERPRISES.COM

September 5, 2014

Greenman Pedersen, Inc.
325 W. Main Street
Babylon, NY 11702

Reference: Port Authority of New York & New Jersey
Performance of Expert Professional Construction Management and Inspection Services
As Requested on a "Call-In" Basis During 2015-2018, RFP Number 39247

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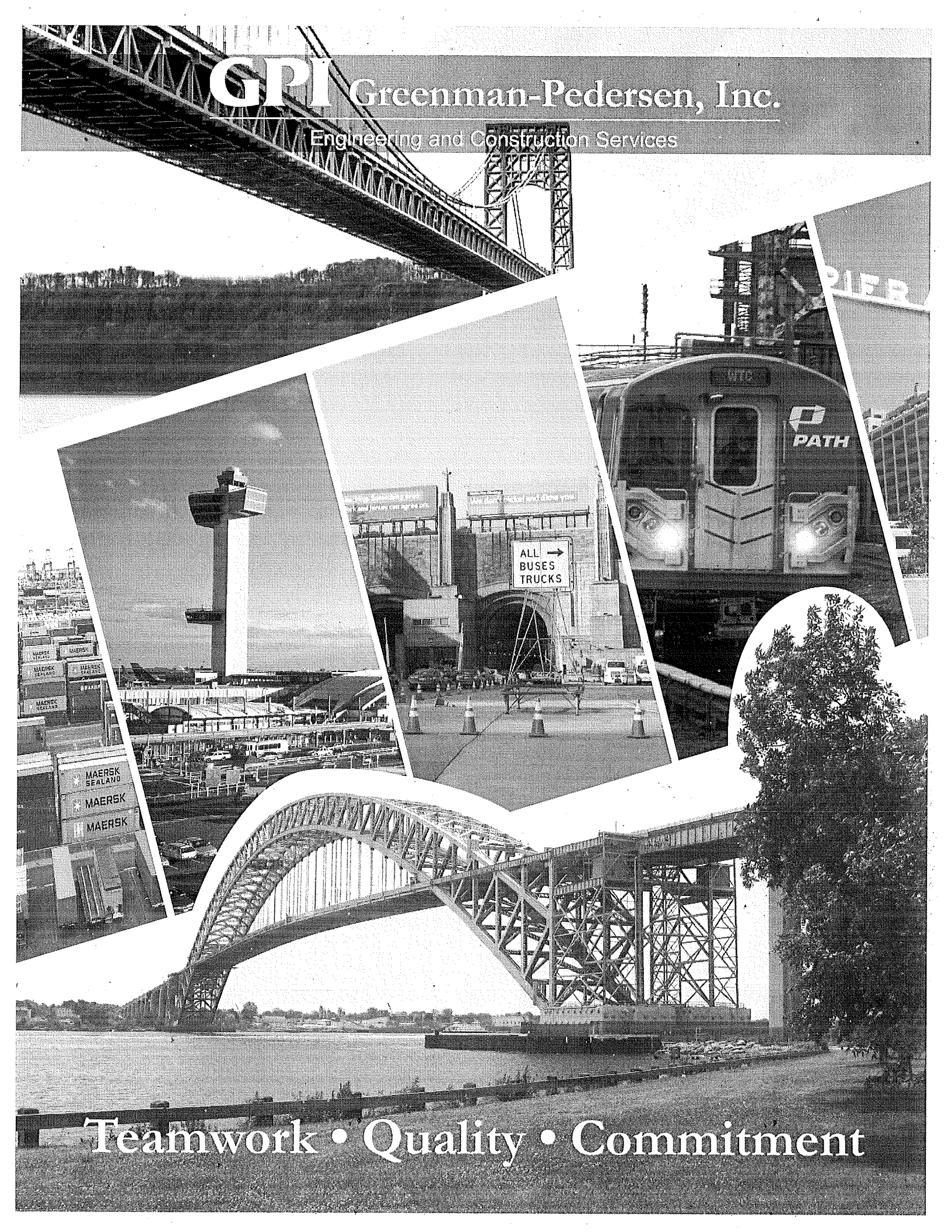
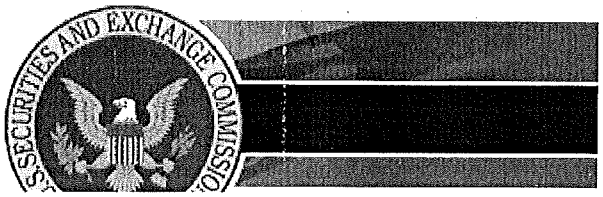
Lauren Esnes
President


GPI Greenman-Pedersen, Inc.
Engineering and Construction Services
PATH
ALL
BUSES
TRUCKS
MAERSK
SEALAND
MAERSK
MAERSK
Teamwork • Quality • Commitment



EDGAR Search Results BETA View

U.S. Securities and Exchange Commission

EDGAR Search Results

Hill International, Inc. CIK#: [redacted] (see all company filings)

SIC: 8711 - SERVICES-ENGINEERING SERVICES
State location: PA | State of Inc.: **DE** | Fiscal Year End: 1231
formerly: ARPEGGIO ACQUISITION CORP (filings through 2006-06-06)
(Assistant Director Office: 6)
Get **insider transactions** for this **issuer**.

Business Address
ONE COMMERCE SQUARE
2005 MARKET STREET, 17TH FLOOR
PHILADELPHIA PA 19103
(856) 810-6200

Mailing Address
ONE COMMERCE SQUARE
2005 MARKET STREET, 17TH FLOOR
PHILADELPHIA PA 19103

Filter Results: | Filing Type: | Prior to: (YYYYMMDD) | Ownership? ○ include ◉ exclude ○ only | Limit Results Per Page: 40 Entries | Search | Show All

Items 1 - 40 RSS Feed | Next 40

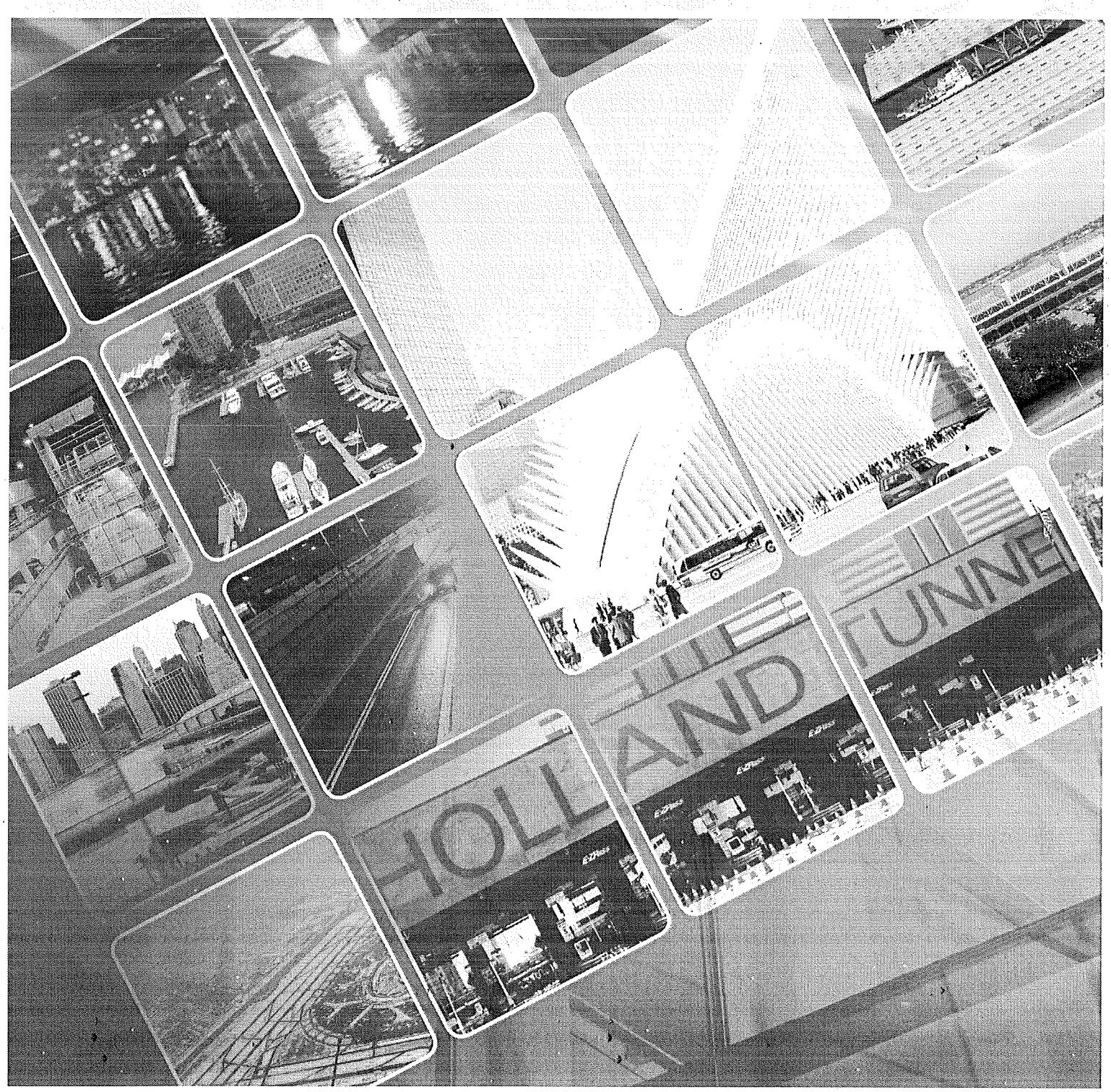
Filings	Format	Description	Filed/Effective	File/Film Number
DEFA14A	Documents	Additional definitive proxy soliciting materials and Rule 14(a)(12) material Acc-no: 0001104659-15-051559 (34 Act) Size: 134 KB	2015-07-17	001-33961 15992792
DEFA14A	Documents	Additional definitive proxy soliciting materials and Rule 14(a)(12) material Acc-no: 0001104659-15-051558 (34 Act) Size: 397 KB	2015-07-17	001-33961 15992790
DEFA14A	Documents	Additional definitive proxy soliciting materials and Rule 14(a)(12) material Acc-no: 0001104659-15-051547 (34 Act) Size: 147 KB	2015-07-17	001-33961 15992655
11-K	Documents	Annual report of employee stock purchase, savings and similar plans Acc-no: 0001104659-15-048420 (34 Act) Size: 446 KB	2015-06-29	001-33961 15957973
25-NSE	Documents	Notification filed by national security exchange to report the removal from listing and registration of matured, redeemed or retired securities Acc-no: 0000876661-15-000255 (34 Act) Size: 3 KB	2015-06-18	001-33961 15940248
8-A12B/A	Documents	**[Amend]**Registration of securities [Section 12(b)] Acc-no: 0001104659-15-045178 (34 Act) Size: 29 KB	2015-06-12	001-33961 15929412
8-K	Documents	Current report, items 1.01, 1.02, 3.03, 5.03, and 9.01	2015-06-12	001-33961 15929400

Hill International

Port Authority of New York and New Jersey

Request For Proposals for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

Hill International, Inc. | RFP No. 39247 | September 18, 2014



THE PORT AUTHORITY
OF NY & NJ

Port Authority of New York and New Jersey

Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP No. 39247 | September 18, 2014

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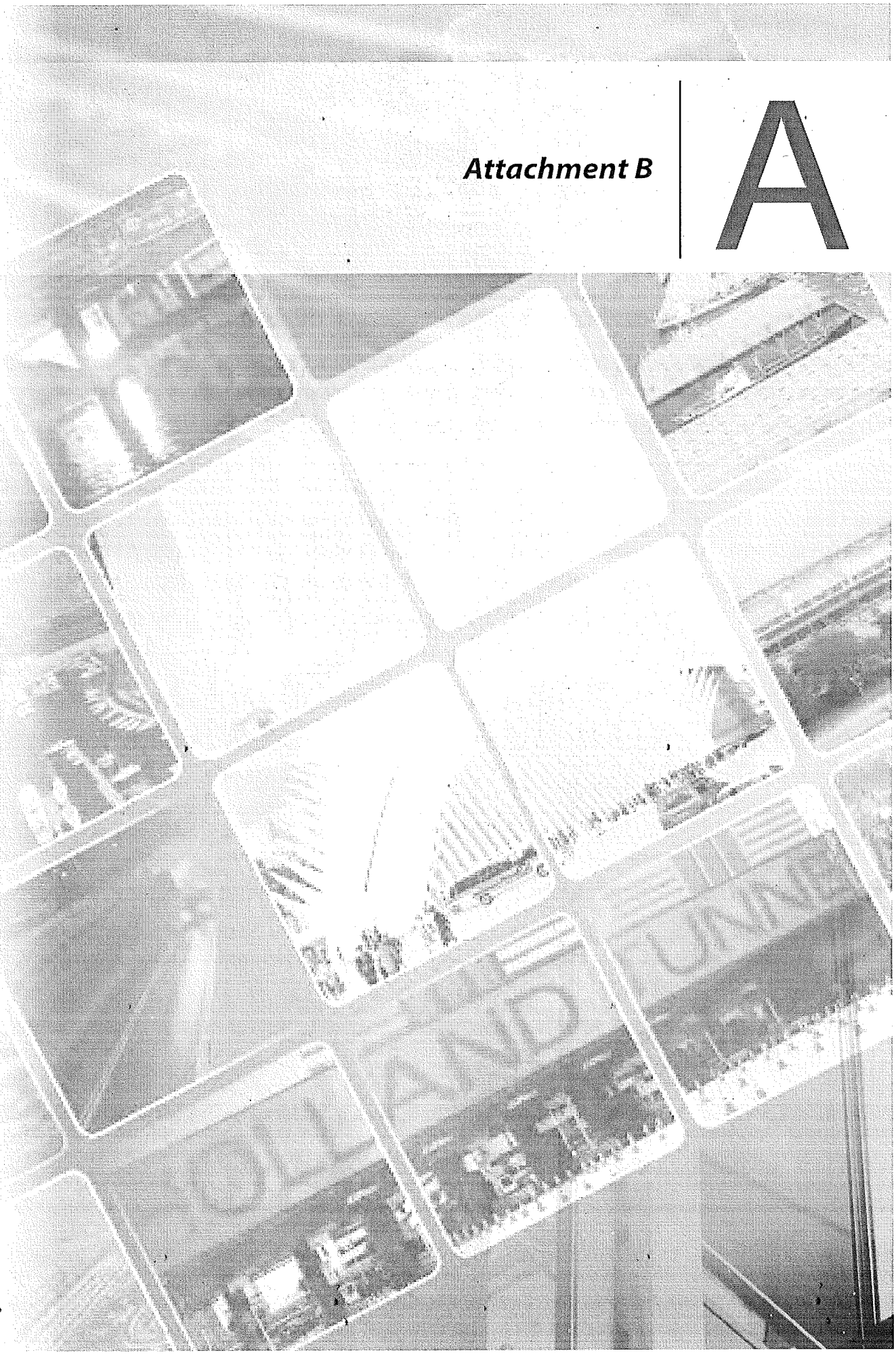
General Conflict of Interest	I
Standard Agreement	J



Attachment B

A

ATTACHMENT B

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Hill International, Inc.
(Company)

(Signature) John Milano, PE

Senior Vice President and Deputy Region Manager
(Title)

9/17/2014
(Date)

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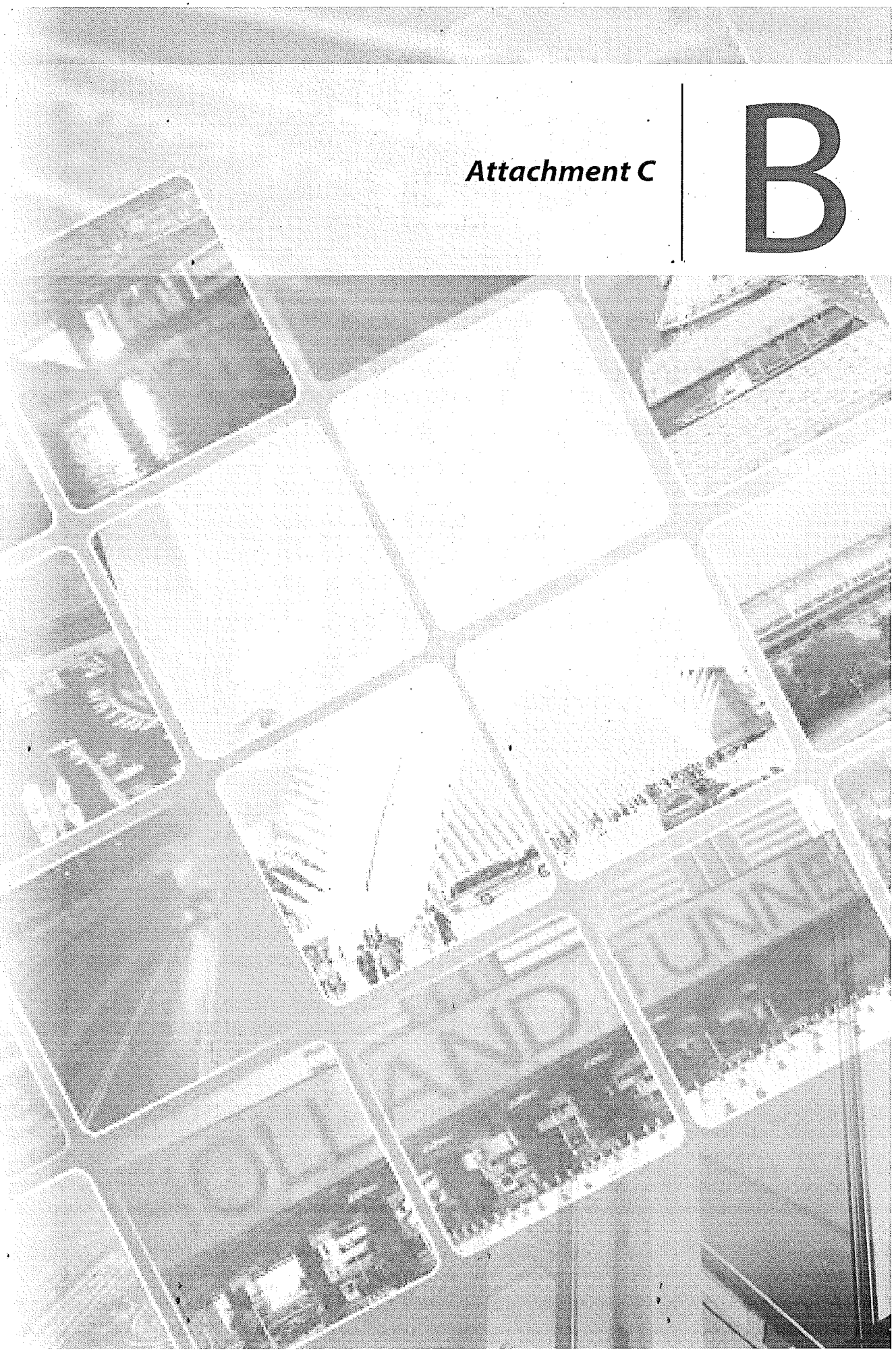
DO NOT RETYPE.



Attachment C

B

ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):

Hill International, Inc.

2. Business Address (to receive mail for this RFP):

One Penn Plaza, Suite 3415

New York, NY 10119

3. Business Telephone Number: 212-244-3700

4. Business Fax Number: 212-244-3740

5. Firm website: www.hillintl.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 02 / 13 / 1976

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):

See attached

9. Officer or Principal of Firm and Title:

John Milano, PE Deputy Region Manager and Senior Vice President

10. Name, telephone number, and email address of contact for questions:

John Milano, PE

212-244-1016 Johnmilano@hillintl.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes ☒ No

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

AFFILIATE AND SUBSIDIARY COMPANIES (FIRM EIN 20-0953973)

Affiliate or Subsidiary Name	Principal Office Address	EIN Number
Hill International Real Estate Partners, LP (JV Company)	303 Lippincott Centre, Marlton, NJ 08053	
Hill International Holdings Ltd	Palazzo Pietro 90 Strait Street, Valletta, VLT 1463 Malta	
Hill International Engineering Consultancy LLC (p/k/a Hill International LLC)	Office 206, 3rd floor, Tamimah Building P.O.Box 27, Muscat, Oman PC 102 Qurum	
TCM Group	3130 B Inland Empire Blvd, Ontario, CA 91764	
Boyken International, Inc.	303 Lippincott Centre Marlton, NJ 08053	
Hill International Real Estate, LLC	303 Lippincott Centre Marlton, NJ 08053	
MyLCM Solutions, Inc. (p/k/a TRS Consultants, Inc.)	18100 Von Karman Avenue Suite 700 Irvine, CA 92612	
PCI Group, LLC	10801 West Charleston Suite 650 Las Vegas, NV 89135	
Hill/ASL Joint Venture (JV Company)		
TranSystems-Hill Gateway, LLC (JV Company)	30 South 15th Street Philadelphia, PA 19102	
Trident Development Enterprise, LLC (JV Company)	5337 Millenia Blvd Suite 240 Orlando, FL 32839	
Hill International-APSI Construction Management, a Joint Venture, LLC (JV Company)	18100 Von Karman Avenue Suite 700, Irivine, CA 92612	
Hill Housing, LLC (p/k/a Hill Housing, Inc.)	303 Lippincott Centre Marlton, NJ 08053	
Hill International Development Inc	303 Lippincott Centre Marlton, NJ 08053	
HillStone International, LLC (JV Company)	303 Lippincott Centre Marlton, NJ 08053	
Hill International (New England), Inc. (p/k/a Collaborative Partners, Inc.)	330 Congress Street 6th Floor Boston, MA 02210	
Hill International (Puerto Rico), Inc.	303 Lippincott Centre Marlton, NJ 08053	

Subconsultant M/WBE Certifications

THE PORT AUTHORITY OF NY & NJ

David Samson
Chairman

Christopher O. Ward
Executive Director

Certified

by

Office of Business & Job Opportunity

A.G. Consulting Engineering, P.C

Certificate PA-26094

This certificate acknowledges that the above named firm is certified as a **Minority Business Enterprise**. This company has met the criteria for ownership and control as established by the Port Authority Policy for Revised Minority, Woman and Small Business Enterprise (M/W/SBE) Programs, dated June 10, 1993.

This certification will remain in effect for five years from the date of notice and may be extended only upon submission by you, and acceptance by the Port Authority of a recertification application attesting that the ownership and control of the business, on which this certificate is granted, has not changed. This office must be notified within 30 days of any material changes in the business that affects ownership and control. Failure to do so may result in the revocation of this certification and/or imposition of other sanctions.

Lash Green
Director
Certified: March 08, 2011

Regis Hilton
Manager, Certification
Scheduled Re-evaluation: March 08, 2016

THE PORT AUTHORITY OF NY & NJ

Anthony R. Coscia
Chairman

Christopher O. Ward
Executive Director

Certified

by

Office of Business & Job Opportunity

Distinct Engineering Solutions, Incorporated

Certificate PA-26553

This certificate acknowledges that the above named firm is certified as a **Minority Business Enterprise (Architectural and Engineering Program)**. This company has met the criteria for ownership and control as established by the Port Authority Policy for Revised Minority, Woman and Small Business Enterprise (M/W/SBE) Programs, dated June 10, 1993.

This certification will remain in effect for five years from the date of notice and may be extended only upon submission by you, and acceptance by the Port Authority of a recertification application attesting that the ownership and control of the business, on which this certificate is granted, has not changed. This office must be notified within 30 days of any material changes in the business which affect ownership and control. Failure to do so may result in the revocation of this certification and/or imposition of other sanctions.

Lash Green
Director
Certified: July 16, 2009

Rosemary Jenkins-Varela
Manager, Certification
Scheduled Re-evaluation: July 16, 2014

Form 6/14/93 RAL

THE PORT AUTHORITY OF NY & NJ

Anthony R. Coscia
Chairman

Christopher O. Ward
Executive Director

Certified

by

Office of Business & Job Opportunity

Envision Consultants, Ltd.

Certificate PA-18628

This certificate acknowledges that the above named firm is certified as a **Women-owned Business Enterprise** This company has met the criteria for ownership and control as established by the Port Authority Policy for Revised Minority, Woman and Small Business Enterprise (M/W/SBE) Programs, dated June 10, 1995.

This certification will remain in effect for five years from the date of notice and may be extended only upon submission by you, and acceptance by the Port Authority of a recertification application attesting that the ownership and control of the business, on which this certificate is granted, has not changed. This office must be notified within 30 days of any material changes in the business that affects ownership and control. Failure to do so may result in the revocation of this certification and/or imposition of other sanctions.

Lash Green
Director
Certified: June 16, 2010

Rosemary Jenkins-Varela
Manager, Certification
Scheduled Re-evaluation: June 15, 2015

THE PORT AUTHORITY OF NY & NJ

Anthony R. Coscia
Chairman

Christopher O. Ward
Executive Director

Certified

by

Office of Business & Job Opportunity

Envision Consultants, Ltd.

Certificate PA-18628

This certificate acknowledges that the above named firm is certified as a **Small Business Enterprise (Commodity Program).** This company has met the criteria for ownership and control as established by the Port Authority Policy for Revised Minority, Woman and Small Business Enterprise (M/W/SBE) Programs, dated June 10, 1995.

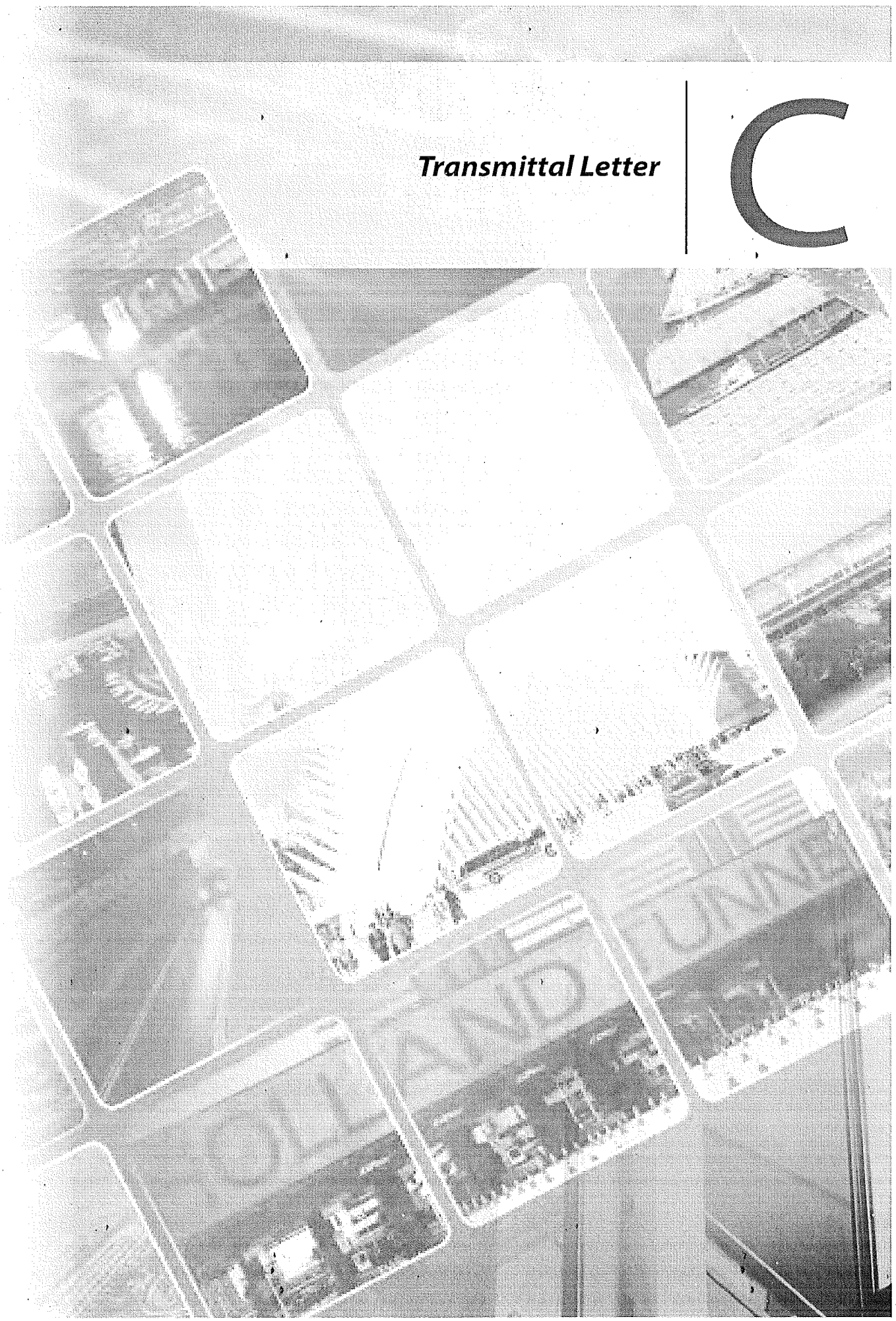
This certification will remain in effect for five years from the date of notice and may be extended only upon submission by you, and acceptance by the Port Authority of a recertification application attesting that the ownership and control of the business, on which this certificate is granted, has not changed. This office must be notified within 30 days of any material changes in the business that affects ownership and control. Failure to do so may result in the revocation of this certification and/or imposition of other sanctions.

Lash Green
Director
Certified: June 16, 2010

Rosemary Jenkins-Varela
Manager, Certification
Scheduled Re-evaluation: June 15, 2015

Transmittal Letter

C



Hill International

Hill International, Inc.
One Penn Plaza,
Suite 3415
New York, NY 10119
Tel: 212-244-3700
Fax: 212-244-3740
www.hillintl.com

September 18, 2014

Port Authority of New York and New Jersey
Procurement Department
ATTN: Bid/Proposal Custodian
Two Montgomery Street, 3rd Floor
Jersey City, New Jersey 07302

Subject: Request For Proposals for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018 | RFP Number 39247

Dear Bid/Proposal Custodian:

It is with great pleasure that Hill International, Inc. (Hill) submits its proposal to the Port Authority of New York and New Jersey (Authority) for for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018.

The Hill team also includes AG Consulting (AG), a certified-MBE, Envision Consultants, Ltd. an Authority certified-WBE, Distinct Engineering Solutions, Inc. (DESI) a certified-MBE and licensed special inspection firm, and Municipal Testing Laboratories, Inc. (MTL). The rationale for bringing our firms together to form a team is based upon our respective complementary qualifications and corporate culture and values. Hill is one of the region's pre-eminent providers of Construction Management services and also has an extensive portfolio of projects with the Authority; AG, DESI and MTL are also currently performing multiple assignments for the Authority.

For many firms "as-needed" or "call-in" contracts represent side work, however, at Hill, they are a perfect complement to our full range of services and have become a core component of our business. In fact, "as-needed" or "call-in" assignments such as this one represent close to 25% of Hill's workload. Hill has extensive experience in providing personnel for many different kinds of "as-needed" or "call-in" agreements such as our on-call estimating, Superstorm Sandy relief and construction management work with New York City Transit Authority (NYCT), MTA Bridges and Tunnels and the Authority and the New York Power Authority (NYPA).

Hill holds term requirements contracts with the New York City Department of Design and Construction for cultural facilities and related buildings, term requirements contracts with the Dormitory Authority of the State of New York, and City of New York Department of Parks and Recreation. We also provide independent engineer's certification for MTA's New York City Transit, Metro-North Railroad, Long Island Railroad and MTA Bus. Hill also provides on-call support for NYCTA and Long Island Railroad.

Management Team

Hill's management team was handpicked to achieve the Authority's goals for this assignment. As excellent problem solvers for complex assignments, this staff is adept at anticipating the unusual and adverse. Their combined skills will allow the Hill team to anticipate technical, project coordination and agency-related problems, develop and assess alternatives to mitigate possible challenges, and to assist the Authority in selecting solutions that will avoid or minimize negative consequences.

Providing overall support for this assignment will be our **Project Executive, John Milano, PE.** He offers a wealth of experience gleaned from years of providing senior management oversight of major construction efforts and on-call assignments. The Hill team will be led by our **Project Director George Keeber, PE**; he has more than 35 years of professional experience and was responsible for Hill's post-Sandy assessment work on the Holland Tunnel and he also manages Hill's Authority task order staff at Kennedy International Airport. George will serve as the Authority's single point of contact throughout this assignment.

Our designated discipline leaders are designated on our organization chart in Section E. Each leader has more than 20 years of experience in all phases of engineering planning, design, scheduling, construction, and financial controls. Their experience encompasses directing construction management teams, design professionals, and support personnel toward the successful completion of projects.

Our staffing plan includes multiple inspectors, constructability review personnel, schedulers, estimators and contract managers. Within each of these categories we have engineers, architects and associated subject matter experts who will specialize in their areas of expertise such as tunnels, signals and communications, stations, shops, yards and maintenance facilities as well as power.

The Value of Our Services

The Hill team's comprehensive and aggressive approach to understanding the interrelationships inherent on a construction project; our assertive approach to managing call-in assignments and our highly professional staff, trained to focus on the individual needs of our clients, are the critical items that make projects a success. We will focus our energy and attention from day one on the critical elements of this project and we are ready to start now.

The Hill team clearly understands the requirements of this project and offers:

- Strong transit experience;
- The right Program Director, George Keeber, PE;
- Strong experience managing single prime as well as multiple prime projects;

- The ability to develop accurate budgets and complete the work on-time;
- The strict priority the team places upon safety.

We look forward to working with the Authority to successfully complete this project. If you have any questions or require additional information you can contact me at 212-244-3700 or johnmilano@hillintl.com. We acknolwedge Addendum #1, dated 9/12/2014 and Addendum #2, dated 9/15/2014.

Very truly yours,

John Milano, PE
Senior Vice President and Deputy Regional Manager
Hill International, Inc.

Requirement	Satisfaction
An office in the Greater New York, New Jersey Metropolitan Area with atleast 50 individuals on staff who have experience prforming applicable services in the NY/NJ area	Hill International, Inc. has an office that will principally manage this call-in contract located at One Penn Plaza, Suite 3415, New York, NY 10119. We have more than 160 professionals at this location alone who have demonstrated experience providing CM and Inspection services in the greater New York and New Jersey area as well as for the Port Authority of New York and New Jersey. Resumes for our proposed staff are in section E1.
Certificate of Authorization	Hill International, Inc and Distinct Engineering Solutions are authorized to provide professional engineering services in New Jersey. Please see the attached certificates.
Required Staff	As demonstrated in section E1 by our organization chart and accompanying resumes, we are able to provide the required 10 licensed architects or professional engineers in the states of New York or New Jersey, 10 Licensed ACI Concrete Construction Special Inspectors, 3 ICC Certified Structual Steel and Boltings inspectors and 1 NACE Level 1 Coatings inspector.

State of New Jersey

Division of Consumer Affairs
State Board of Professional Engineers and Land Surveyors

THIS CERTIFIES THAT

HILL INTERNATIONAL, INC.
303 LIPPINCOTT CENTRE
Marlton NJ 08053

Has met the requirements of the State Board of Professional Engineers and Land Surveyors and is hereby issued a

CERTIFICATE OF AUTHORIZATION

to offer the following services

Engineering 07/26/2002

Person in Responsible Charge GEORGE E DUDA

For the names of other Responsible Charge Licensees, go to: http://www.njconsumeraffairs.com/pels/ecrtrpt.pdf

Date: August 8, 2014
Certificate No. 24GA28002300
Expiration Date: 08/31/2016

Executive Director

State of New Jersey

Division of Consumer Affairs
State Board of Professional Engineers and Land Surveyors

THIS CERTIFIES THAT

DISTINCT ENGINEERING SOLUTIONS, INC.
656 GEORGES ROAD, 2ND FL.
North Brunswick, NJ 08902

Has met the requirements of the State Board of Professional Engineers and Land Surveyors and is hereby issued a

CERTIFICATE OF AUTHORIZATION

to offer the following services

Engineering 10/20/2008

Person in Responsible Charge RAMNARAYAN K TIRUMALA

For the names of other Responsible Charge Licensees, go to: http://www.njconsumeraffairs.com/pels/ecrtrpt.pdf

Date: August 24, 2012
Certificate No. 24GA28155500
Expiration Date: 08/31/2014

Acting Executive Director

Mulitplier Breakdown

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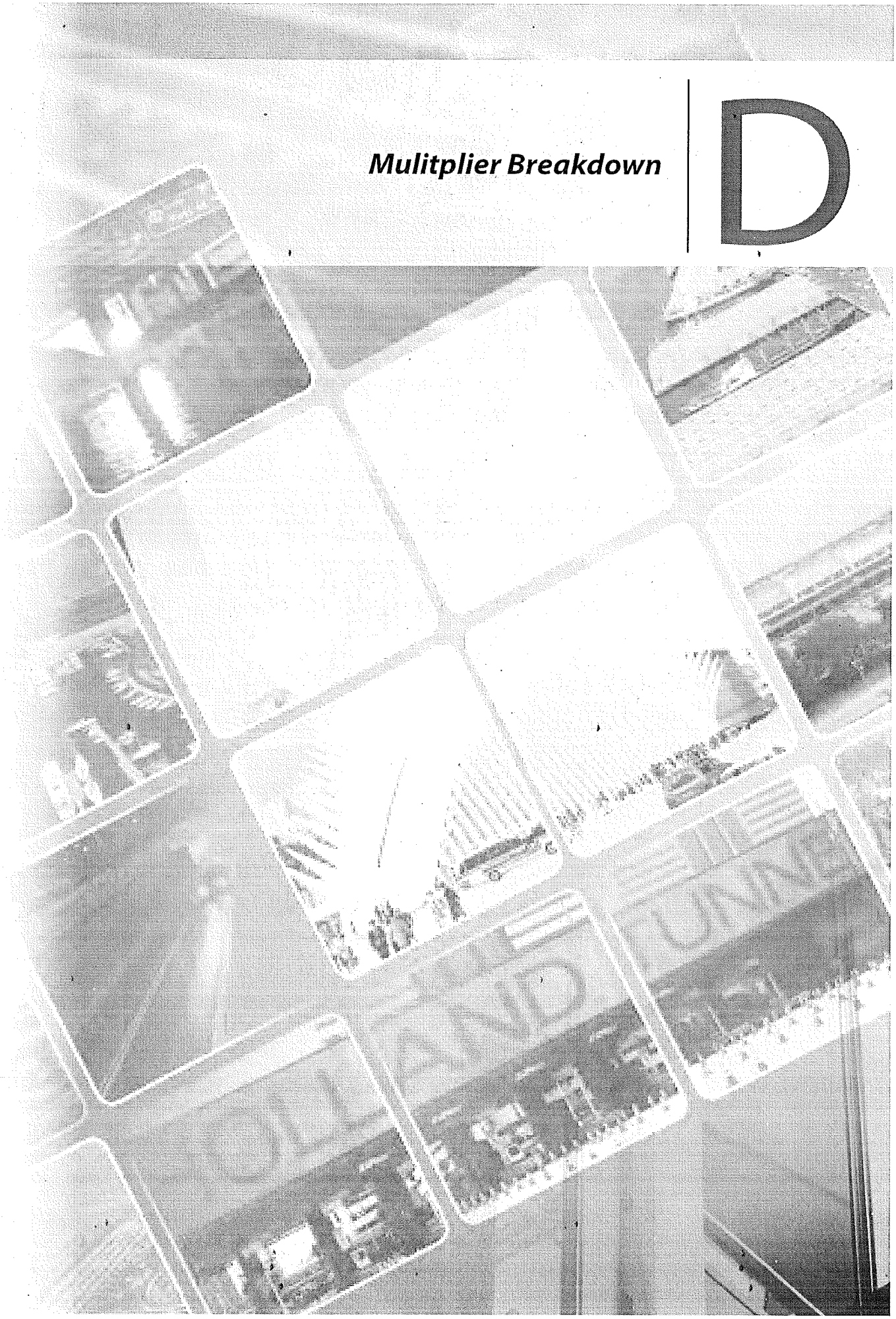


Multiplier Breakdown

Hill International, Inc's multiplier is broken down to include the categories listed below from our overhead rates. Please see attached documents for further information.

Project Labor- The Company charges labor to all projects based on actual hourly rates.

Paid Time Off- Paid vacation, sick leave and camp. time are part of the employee's salary and charged to overhead.

Paid Overtime- Non-exempt employees are paid time and a half for hours in excess of 40 per week as determined by contract and by state law. This payment is charged to the job/project.

Uncompensated Overtime- Salaried employees are not paid for time worked in excess of 40 hours per week (uncompensated overtime). Salaried employees overtime hours are charged to the job/project at their straight time pay rate. This same amount is then credited to overhead.

Highly Compensated Employees/Officers/Owners - The Company paid compensation to senior executives in excess of the FAR 31.205-6(p) limit of $664,782 for certain executives. The Company used the National Compensation Matrix (NCM) Table for a company with $170,000,000 of revenues and $2,369,718 was deducted from executive compensation for the year in excess of salary guidelines in the NCM.

401(k) Plan-The Company maintains a 401(k) Retirement Savings Plan for qualified employees meeting the requirements of FAR 31.205-6(j). The Company match was discontinued as of April 30, 2012.

ESPP-The Company operates an Employee Stock Purchase Plan (ESPP) covering 2,000,000 shares of the Company's common stock meeting the requirements of FAR 31.205-6(q). Eligible employees may purchase shares at 85% of the fair market value on the date of purchase. During 2013 employees purchased 51,000 common shares for an aggregate price of $162,000. The Company recognized compensation expense amounting to $24,000.

Multipliers

Hill International, Inc.: 2.15

A.G. Consulting Engineers: 2.53

Envision Consultants Ltd.: 2.64

Distinct Engineering Solutions Inc.: 2.8

Municipal Testing Laboratories: 2.25

Hill International, Inc.
Statement of Direct Labor, Fringe Benefits, and General Overhead (with Field Rate)
For the year ended December 31, 2013

Description	General Ledger Balance	Portion Unallowable	FAR Ref.	Total Proposed	Allocation * %	Allocated Costs: Home Office Costs	Allocated Costs: Field Office Costs
Direct Labor	$50,864,809	$0		$50,864,809	actual costs	$24,438,147	$26,426,662
Fringe Benefits							
Payroll Taxes	3,150,549	0		3,150,549	51.95%	1,511,839	1,636,710
Group Insurance	8,701,517	0		8,701,517	51.95%	4,181,079	4,520,438
Pension and Profit Sharing	3,150,549	0		3,150,549	51.95%	1,511,839	1,636,710
Total Fringe Benefits	15,002,615	0		15,002,615		7,208,757	7,793,858
General Overhead							
Non-Project Labor	17,202,307	0		17,202,307	actual costs	10,595,642	6,606,665
Administrative Salaries	21,773,342	(2,369,718)	1	19,403,624	51.95%	9,323,441	10,080,183
Business Development	1,705,480	(1,496,432)	2	209,048	51.95%	100,448	108,600
Professional Memberships	211,079	(45,575)	3	165,504	51.95%	79,525	85,979
Library	87,880	0		87,880	27.43%	63,775	24,105
Recruiting	229,494	(57,370)	4	172,124	51.95%	82,706	89,418
Insurance	2,029,069	0		2,029,069	51.95%	974,968	1,054,101
Professional Fees	5,069,104	(878,659)	5	4,130,448	51.95%	1,984,679	2,145,766
Travel & Administrative Costs	2,565,967	(1,079,056)	6	1,486,911	51.95%	714,461	772,450
Automobiles	250,690	(250,690)	7	0	n/a	n/a	n/a
Business Meetings	6,229	0		6,229	27.43%	4,520	1,709
Tuition	96,324	0		96,324	51.95%	46,284	50,040
Computer Maintenance	2,274,026	0		2,274,026	27.43%	1,650,261	623,765
Office Supplies	158,365	0		158,365	27.43%	114,925	43,440
Rent	4,991,554	0		4,991,554	27.43%	3,622,371	1,369,183
Reproduction	618,250	0		618,250	27.43%	448,664	169,586
Telephone	706,622	0		706,622	27.43%	512,796	193,826
Postage	261,412	0		261,412	27.43%	189,707	71,705
Stationery & Printing	41,703	0		41,703	27.43%	30,264	11,439
Office Expense	1,110,230	(66,238)	8	1,043,992	27.43%	757,625	286,367
Building Maintenance	93,195	0		93,195	27.43%	67,632	25,563
Depreciation	877,408	0		877,408	27.43%	636,735	240,673
Bad Debt Expense	1,608,703	(1,608,703)	9	0	n/a	n/a	n/a
Other Indirects	3,143,373	(2,749,913)	10	393,460	n/a	393,460	0
Goodwill Amortization	1,926,630	(1,926,630)	11	0	n/a	n/a	n/a
Facilities Capital Cost of Money	66,693	0		66,693	51.95%	32,046	34,647
Allocated Corporate	(3,889,752)	0		(3,889,752)	51.95%	(1,869,026)	(2,020,726)
Total General Overhead	$65,155,377	($12,528,934)		$52,626,393		30,557,906	22,068,487
Total Indirect Costs				$67,629,008		$37,766,662	$29,862,346
Percentage of Direct Labor				132.96%		154.54%	113.00%

FAR References:

(1) - 31.205-6(a)(6)(ii)(B) - Compensation paid to executives in excess of reasonable amount and considered distribution of profits.
(2) - 31.205-1(f) - Costs of advertising and client relations to promote company.
- 31.205-1(f)(2) - Conferences and trade shows to promote company.
(3) - 31.205-1(f)(7) - Memberships in civic and community organizations.
(4) - 31.205-34 - Recruiting costs for overseas operations
(5) - 31.205-27(a) - Organization costs for Attorneys for acquisition, collections, and overseas operations services.
- 31.205-27(a) - Accounting fees for acquisitions and overseas operations services.
(6) - 31.205-14 - Represents entertainment costs which are unallowable.
(7) - 31.205-6(m)(2) - Personal use of automobiles.
(8) - 31.205-8 - Donations are unallowable.
- 31.205-13(b) - Gifts to employees and other office expenses which are unallowable.
(9) - 31.205-3 - Bad debt expense unallowable.
(10) - 31.205-6(a)(5) - Stock Based Compensation Expense unallowable.
- 31.205-6 - Other unallowable costs.
(11) - 31.205-49 - Goodwill amortization is unallowable.

Note:
* See Note 5 for calculation of overhead rate used for allocation

See accompanying notes and accountant's report.

Hill International, Inc.
Notes to Overhead Schedule
December 31, 2013

Note 1 – Description of the Company

Hill International, Inc. ("Hill" or "the Company") is a construction consulting firm headquartered in Marlton, New Jersey that provides both fee-based project management and construction claims consulting services to clients worldwide. Hill's clients include the U.S. federal government, U.S. state and local governments, foreign governments and the private sector. The Company is organized into two key operating divisions: the Project Management Group and the Construction Claims Group.

Note 2 – Basis of Accounting

The Company's overhead schedule was prepared on the basis of accounting practices prescribed in Part 31 of the Federal Acquisition Regulation (FAR.) Accordingly, the overhead schedule is not intended to present the results of operations of the Company in conformity with accounting principles generally accepted in the United States of America.

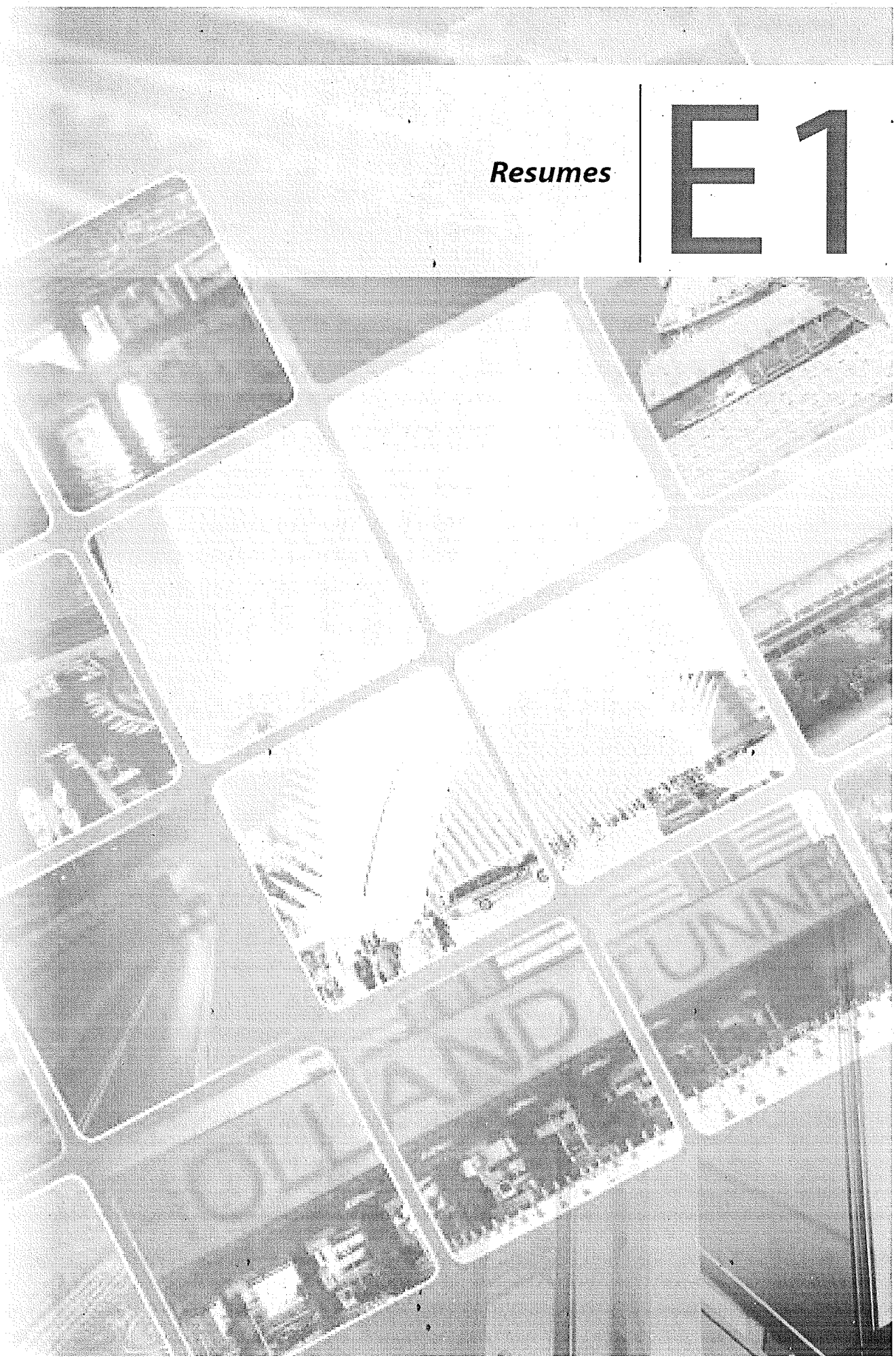
Note 3 – Description of Accounting Policies

The Company uses an accrual based accounting system. All employees enter their weekly time with Project numbers and Segments via time sheets in the Vision Accounting system. This will post all hours and labor costs for the hours worked on the project. This is a fully integrated accounting system, all accounts payable entries related to the project, i.e. and sub consultants are also charge to the project. Current monthly costs, Detail Job Costs, Jobs to Date (JTD), and Year to Date (YTD) Reports can be run from the system. The Company's method of estimating costs for pricing purposes during the proposal process is consistent with the accumulation and reporting of costs under its job-order cost accounting system.

Note 4 – Facilities Capital Cost of Money (FCCM)

The cost-of-money rate has been calculated in accordance with FAR 31.205-10 Cost of Money, using average net book values of equipment and facilities multiplied by the average treasury rate for the applicable period. Equipment and facilities include furniture and fixtures, computer equipment, vehicles, and leasehold improvements. The calculation was made as follows:

Beginning net capital assets, 1/1/13,	$ 4,697,000
Net capital assets, 12/31/13	3,837,000
Total	$ 8,534,000
	/2
Average Net Capital Assets	$ 4,267,000
Average Treasury Rate	1.563%
Facilities Capital Cost of Money	$ 66,693
Direct Labor Base	$50,864,809
FCCM Rate ($66,693/$50,864,809)	.13%



Resumes E1

Resumes

Staffing Plan

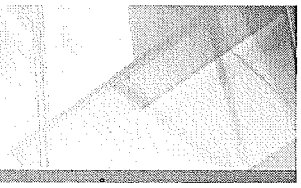
The Hill team has the "know-how" to smoothly provide staffing to the Authority for this assignment. We have the necessary specialists defined in the RFP i.e. Construction Inspection staff with experience with the Civil, Structural, Electrical and Mechanical trades; engineers/architects licensed in the states of New York and/or New Jersey; ACI Concrete Construction Special Inspectors; ICC Certified Structural Steel and/or Bolting Inspectors, NACE Level 1 coatings certified personnel and estimators and schedulers as well. Because of the strength of the resource base within the Hill team, we can adjust quickly and flexibly to PANYNJ's requirements.

Our organization chart is a representation of the Hill team's resources, but it does not limit our ability to provide the Authority with additional professional staff as needs arise. The Hill team has access to additional technical and professional resources as well as the financial capacity to staff up as the assignments require. The Hill team's staff provides flexibility, versatility, and technical knowledge of construction issues and represents all disciplines relevant to the performance of this requirements contract.

The Hill team will assemble the staff that will be needed to execute all the tasks described in each task order scope of work. The individuals who will fill the key positions on our team have been selected because of their many years of similar experience and their proven record of performance. The Hill team has developed an organization and staffing plan to account for the different requirements of managing the overall project and managing the individual projects within it. The Hill team will supply a pool of skilled technical personnel including Construction Inspection staff with experience with the Civil, Structural, Electrical and Mechanical trades; engineers/ architects licensed in the states of New York and/or New Jersey; ACI Concrete Construction Special Inspectors; ICC Certified Structural Steel and/or Bolting Inspectors,' NACE Level 1 coatings certified personnel and estimators and schedulers who will supply their services at the Authority's discretion, providing the additional skills and expertise that may be needed to address specific aspects of any. The Hill team will designate the appropriate staff to be assigned on this contract. Personnel will be experienced in the Authority's criteria and standards.

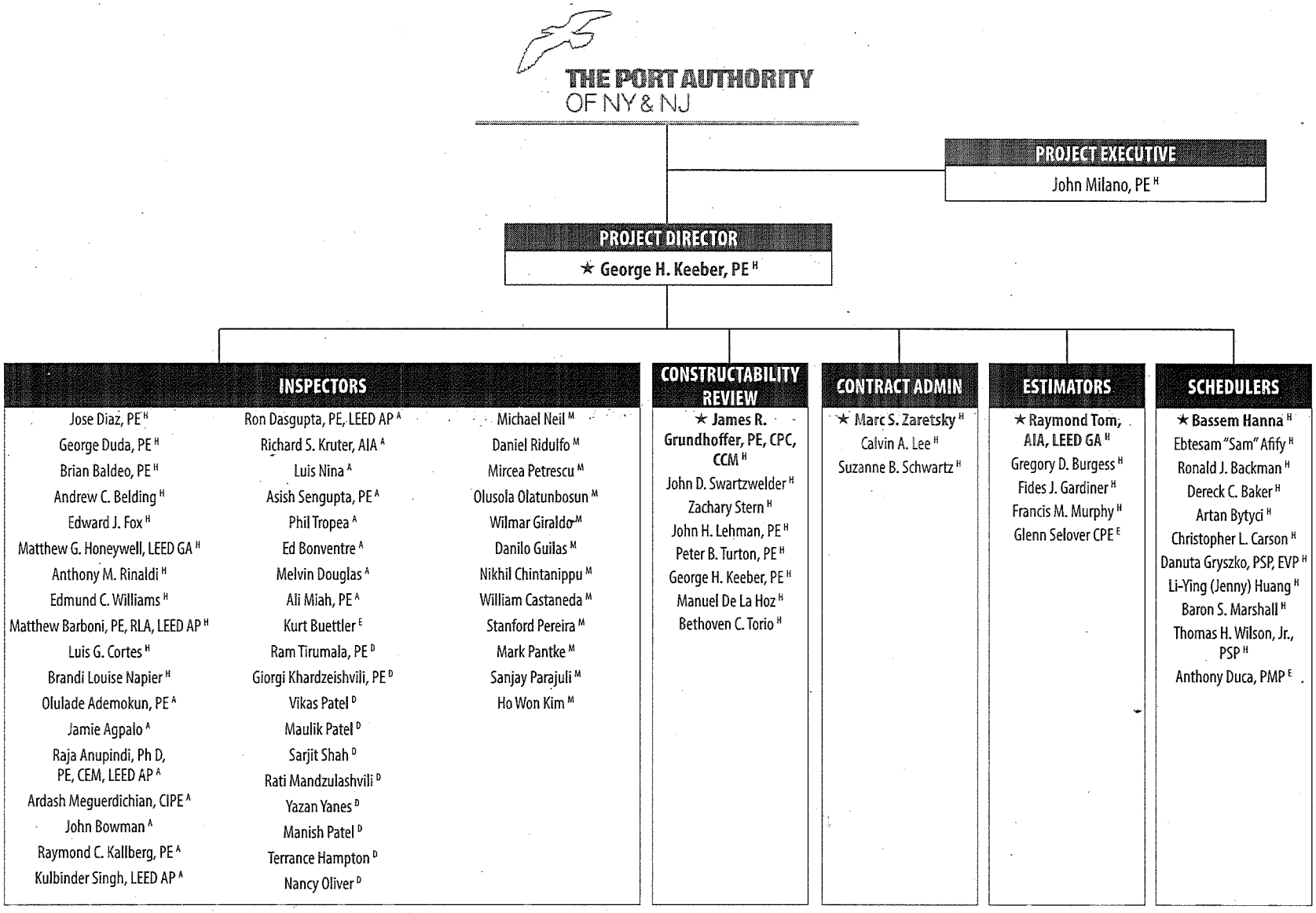
The Hill team will be led by **George Keeber, PE**; he is a highly qualified construction professional, capable of interfacing with the Authority and providing executive oversight as a result of his decades of experience. It should be noted that George is leading several "Call-in" assignments including Hill's efforts under its current PANYNJ contract. George will serve as the Authority's single point of contact throughout the duration of this assignment. His guiding hand will keep the professional staff focused on performing their duties as well as provide the consistent day-to-day interface for the Authority. By anticipating project issues from the beginning, he manages outcomes through preparedness, consensus, and accountability.

Key Staff members of the Hill team also include **Raymond Tom, AIA, LEED GA**, Cost Estimating Lead; he has more than 20 years of diverse experience in construction management. Raymond manages Hill's Project Controls Group. He oversees all estimating in the Northeast region that requires task order management. He facilitates communication between the project team and



clients and brings targeted experience managing and coordinating workloads and services for local projects that involve construction cost estimates, value engineering services, cost reduction alternatives and constructability reviews for projects. Raymond brings strong leadership skills in managing the project team through all phases of design and construction.

Based upon the above structure Hill's methodology for managing task order based assignments is described below. The project activities will commence with notification by the Authority that it is requesting a Task Order Proposal for a project. The Project Manager will prepare the Task Order Proposal, inclusive of project-specific staffing, costs and a project-specific schedule based upon the project's plans and specifications developed by the Authority's selected design team. This will allow the Project Manager to develop a management strategy to guide the individual Task Order from inception to a successful conclusion. To aid in the preparation of the Task Order Proposal, the management team will visit the site to become familiar with all site-specific conditions, inclusive of swing space needs, worksite access including after-hours work, mechanical systems, location(s) of any hazardous materials and the like. We would then submit the Task Order Proposal to the Authority. Upon notice to proceed, the Hill team will immediately commence its preconstruction phase activities inclusive of constructability review, estimating, scheduling, photograph documentation, value engineering, and building department and/or other expediting for the project. We will immediately mobilize project personnel and prepare project-specific work plans and procedures to guide all team members. We will conduct a project-specific orientation to make certain all personnel are conversant with the project scope and contract documents for the project. We believe in an up-front approach and will recommend the involvement of all affected entities at the beginning of the project to pave the way for smooth communication during construction and start-up.


THE PORT AUTHORITY
OF NY & NJ
PROJECT EXECUTIVE
John Milano, PE H
PROJECT DIRECTOR
★ George H. Keeber, PE H
INSPECTORS
Jose Diaz, PE H
George Duda, PE H
Brian Baldeo, PE H
Andrew C. Belding H
Edward J. Fox H
Matthew G. Honeywell, LEED GA H
Anthony M. Rinaldi H
Edmund C. Williams H
Matthew Barboni, PE, RLA, LEED AP H
Luis G. Cortes H
Brandi Louise Napier H
Olulade Ademokun, PE A
Jamie Agpalo A
Raja Anupindi, Ph D, PE, CEM, LEED AP A
Ardash Meguerdichian, CIPE A
John Bowman A
Raymond C. Kallberg, PE A
Kulbinder Singh, LEED AP A
Ron Dasgupta, PE, LEED AP A
Richard S. Kruter, AIA A
Luis Nina A
Asish Sengupta, PE A
Phil Tropea A
Ed Bonventre A
Melvin Douglas A
Ali Miah, PE A
Kurt Buettler E
Ram Tirumala, PE D
Giorgi Khardzeishvili, PE D
Vikas Patel D
Maulik Patel D
Sarjit Shah D
Rati Mandzulashvili D
Yazan Yanes D
Manish Patel D
Terrance Hampton D
Nancy Oliver D
Michael Neil M
Daniel Ridulfo M
Mircea Petrescu M
Olusola Olatunbosun M
Wilmar Giraldo M
Danilo Guilas M
Nikhil Chintanippu M
William Castaneda M
Stanford Pereira M
Mark Pantke M
Sanjay Parajuli M
Ho Won Kim M
CONSTRUCTABILITY REVIEW
★ James R. Grundhoffer, PE, CPC, CCM H
John D. Swartzwelder H
Zachary Stern H
John H. Lehman, PE H
Peter B. Turton, PE H
George H. Keeber, PE H
Manuel De La Hoz H
Bethoven C. Torio H
CONTRACT ADMIN
★ Marc S. Zaretsky H
Calvin A. Lee H
Suzanne B. Schwartz H
ESTIMATORS
★ Raymond Tom, AIA, LEED GA H
Gregory D. Burgess H
Fides J. Gardiner H
Francis M. Murphy H
Glenn Selover CPE E
SCHEDULERS
★ Bassem Hanna H
Ebtesam "Sam" Afify H
Ronald J. Backman H
Dereck C. Baker H
Artan Bytyci H
Christopher L. Carson H
Danuta Gryszko, PSP, EVP H
Li-Ying (Jenny) Huang H
Baron S. Marshall H
Thomas H. Wilson, Jr., PSP H
Anthony Duca, PMP E

John Milano, PE

Project Executive

John Milano, a Professional Engineer and Hill Senior Vice President, has nearly 30 years of experience in construction management, business development and general contracting for high-rise office buildings, community centers, distribution centers, courthouses, correctional facilities, government buildings, educational facilities, museums, financial, hospitality and transportation facilities. John specializes in work for New York City and State departments, agencies and authorities, including the Department of Design and Construction,the Dormitory Authority of the State of New York and the Metropolitan Transportation Authority. John's familiarity with the policies, procedures and management structures of these and other clients is invaluable in helping to deliver New York metropolitan area projects on-time and within budget.

John serves as Operations Manager for Hill's New York office, and is responsible for responsible for overall client satisfaction. John's presence on the project will enhance the entire team's performance by demonstrating and improving relations with the Hill team and the client and serving as an added expert resource for the Project Manager. John will also be responsible for evaluating team performance and strengthening our staff, as needed. In addition, as a Hill Senior Vice President, John represents the corporate leadership of Hill and has the authority to make binding decisions to augment our services.

Education:
MS, Public Administration, Bernard M. Baruch College, 1992

BS, Civil Engineering, Polytechnic University of New York, 1982

Registrations:
Professional Engineer, New York

Professional Memberships:
American Society of Civil Engineers

 # Years Technical Experience: 30

Port Authority of New York and New Jersey (PANYNJ), Holland Tunnel Visual Assessment, New York, NY, Principal-in-Charge

John serves as Principal-in-Charge on this assignment to evaluate the extent of Superstorm Sandy related damages throughout the Holland Tunnel. Hill provided a visual assessment of the Holland Tunnel for damage related to Superstorm Sandy. The assessment addressed 19 tunnel infrastructure elements ranging from the roadways, tiles, ceilings, medium and low voltage electric systems, pump rooms, exhaust and fresh air ducts, fire suppression and detection, elevators and the stone balustrade wall. These inspections required confined space certification. This project required close coordination with the Holland Tunnel staff to schedule inspections within existing lane closures and to work closely with tunnel staff regarding inspection of those elements not dependent on lane closures.

New York MTA, No. 7 Subway Line Extension, New York, Principal-in-Charge

The Hill/LiRo/HDR (HLH) Joint Venture is responsible for providing construction management services for the extension of the Number 7 Subway Line westward from Times Square under West 41st Street and

southward along 11th Avenue to the southerly terminus at West 25th Street; and the new 34th Street Station for this $2.4 billion project. Other elements include platforms and station entrances. The team will provide management and project control services for the tunneling work and during construction of the facilities and infrastructure transforming the Hudson Yards into vibrant 24-hour neighborhood containing a mix of commercial, residential, retail, and recreational uses. As Principal-in-Charge, John has the day-to-day client interface to ensure proper execution of the Joint Venture's construction management services to the MTA. He deals with major project issues needing executive level input and coordinates with the other Joint Venture leaders to provide seamless construction management services.

MTA Independent Engineer's Certification Program, Metropolitan Transportation Authority, New York, New York

Hill International was awarded a three-year contract with two one-year options to serve as the MTA's Independent Engineer for the certification process. It is the responsibility of the Independent Engineer to conduct surveys or inspections of the systems and of the inspection, maintenance and repair (IM&R) programs certifying that the programs are: reasonable and appropriate; sufficient reasonably to assure the continued operation of the system; and within operating budget. John provided review of the inspection, maintenance and repair of line structures for this multibillion dollar transit operation. Independent review consisted of review of IM&R policies and procedures, in-field repair operations and adequacy of funding to maintain the system in a state of good repair.

Various Projects, Major Construction Management and General Contracting Firm, New York, NY

John was Senior Vice President and New York Territory Manager for this firm. His responsibilities included all operations and the profit and loss of over $200 million annual gross revenues for the office of over 200 employees. Key projects included:

- Museum of Modern Art - renovation and expansion, $240 million
- 5 Times Square Office Tower, $160 million
- The Rockefeller University - renovation, $40 million
- Roosevelt Island Operating Corporation Program Management, $200 million
- Jewish Community Center, $63 million
- Murray Feiss Distribution Center, $15 million
- New York Times Office Tower Pre-construction
- 11 Times Square Pre-construction
- Construction Claims for a Confidential Owner
- Various Tenant Fit-Out Projects for Financial and Hospitality Clients

Freight Line, Harlem River, NY

As Project Executive, John was responsible for the construction of a $60 million, 1.8 mile freight line in the Harlem River.

Bus Garage, New York City Department of Transportation, New York, NY

As Project Executive, John was responsible for the construction of a $62 million bus garage.

George H. Keeber, PE

Project Director

George H. Keeber has more than 35 years of experience managing a wide variety of multidisciplinary engineering projects in the transit, facilities and infrastructure fields. His transit experience includes heavy rail, commuter rail, and light rail projects. The majority of George's transit work has been in the Northeastern United States with a concentration in the New York Metropolitan and New Jersey region, including work with the Metropolitan Transportation Authority (MTA), NJ Transit, Port Authority of New York and New Jersey (PANYNJ), Federal Transit Administration (FTA) and Amtrak.

George's rail assignments have included bridges, new stations, tunnels and platform reconfigurations, railcar maintenance facilities, fire life safety assessments, heavy rail expansion, commuter rail and light rail projects, condition assessments and planning studies. His background in rail shop design, maintenance facilities and infrastructure rehabilitation allows him to contribute to numerous types of rail project needs. He is experienced with both above-ground and underground rail projects, with work in tunnel rehabilitation and with tunnel ventilation projects. George's transit experience also includes providing project management oversight (PMO) for major transit infrastructure and rolling stock projects These projects have included new systems, system expansions and infrastructure improvements.

The Port Authority of New York and New Jersey (PANYNJ), Holland Tunnel Assessment, New York and New Jersey, Project Manager

George was the project manager on this assignment to evaluate the extent of Superstorm Sandy related damages throughout the Holland Tunnel. Hill provided a visual assessment of the Holland Tunnel for damage related to Superstorm Sandy. The assessment addressed 19 tunnel infrastructure elements ranging from the roadways, tiles, ceilings, medium and low voltage electric systems, pump rooms, exhaust and fresh air ducts, fire suppression and detection, elevators and the stone balustrade wall. These inspections required confined space certification. This project required close coordination with the Holland Tunnel staff to schedule inspections within existing lane closures and to work closely with tunnel staff regarding inspection of those elements not dependent on lane closures.

New York MTA, No. 7 Subway Line Extension, New York, NY, QA/QC Review

Hill, in joint venture, is providing construction management services for the $2.4 billion construction extension of the No. 7 Line for the New York City Metropolitan Transportation Authority Capital Construction

Education:
MSc., Civil Engineering, Polytechnic Institute of NY, Brooklyn, NY, 1984

Bachelor, Civil Engineering, The Cooper Union for the Advancement of Science and Art, NY, 1976

Registrations:
Professional Engineer, New York

Professional Engineer, New Jersey

Professional Memberships:
American Society of Civil Engineers

Women's Transportation Seminar

Publications:
"Tunnel Repairs Under Traffic and Community Impacts", Proceedings, Infrastructure, Planning & Management Conference (1993)

Seminars:

"Infrastructure Planning and Management- ASCE", Infrastructure Renewal Projects, Denver, Co 1993

 # Years Technical Experience: 35

Program and the Hudson Yards Development Corporation. The project includes two bored tunnels with each diameter approximately 22.5 feet, 34th Street Station, and two interlocking structures which will be connected to the 34th Street Station. George is currently providing a QA/QC review for the project.

Prior Experience

Federal Transit Administration (FTA), Various Locations, Project Management Oversight (PMO) Contractor 2005-2013

George was Project Manager for FTA PMO at NJ Transit, including the $9-billion Trans-Hudson Tunnel project (ARC). He was responsible for directing a staff of five full time engineers and part time discipline specialists monitoring this multi-billion dollar transit capital program, the largest in the nation. In addition to the ARC project, oversight was provided on NJ Transit's rolling stock program and other capital improvement projects including station upgrades, yard and shop expansions, and expansion of light rail systems. George also managed the PMO assignment at MTA Maryland for FTA. The assignment included the Red Line and Purple Line light rail projects and approximately 15 other transit-related projects including station rehabilitations, rolling stock procurements and rehabilitations, rail yards, a new multi-model transit center, station and tunnel repairs. The combined value of these projects was approximately $4.6 billion.

Port Authority Trans-Hudson Corporation (PATH) Main Repair Facility, Harrison, NJ, Deputy Project Manager and Project Engineer Deputy 1987-1991

George served as Deputy Project Manager and Project Engineer responsible for managing the design efforts and its sub consultants. He worked directly with PATH management during the design stage of this $110- million project for state- of- the- art rail maintenance facility to provide a full range of maintenance, repair, and overhaul services. The design effort included architectural, structural, industrial, HVAC, plumbing, fire protection and electrical design, and preparation of specifications for specialized rail shop equipment. George also led the engineering effort during construction and preparation of as- built drawings.

The Port Authority of New York and New Jersey (PANYNJ) Condition Assessments, New York, NY, Project Executive 2000-2003

George served as Project Executive for condition assessments of buildings and facilities including one- and two-story buildings of timber, steel, and concrete construction. In addition, underground stations for the Port Authority Trans-Hudson Corporation (PATH) system were also inspected. Impact reports for each facility were prepared including recommendations for priority and routine repairs. Safety items to be addressed were also identified. When it was determined that immediate action was required to address a deficiency, final design drawings and construction cost estimates were prepared.

Inspection Resumes

Matthew Barboni, PE, RLA, LEED AP

Resident Engineer - Structural

Matthew Barboni, Professional Engineer and Registered Landscape Architect, has more than nine years of experience in site development projects. He has performed a variety of tasks, including grading, drainage, planting and lighting design, developing construction details, cost estimating and construction administration services for implementation. Matthew has been involved in a variety of site rehabilitation and urban transportation projects in both the public and private sectors for clients such as the City of New York Parks & Recreation (NYC Parks). His specialized computer software skills include AutoCAD 2008, Photoshop, Visual and Microstation.

New York City Department of Parks & Recreation, PlaNYC Asphalt to Turf Unit of Capital Projects Division, New York, NY

Matthew manages all site construction activities associated with the transformation of multi-purpose asphalt fields into synthetic turf. The project includes a new synthetic multipurpose turf field, curb and pavement improvements along with newly added fencing, benches, a water fountain and plantings. Matthew provides the day-to-day communication link between NYC Department of Parks and Recreation and the general contractor on all design, safety and construction related issues. His other responsibilities include site inspection, technical design review, daily and weekly site progress reporting, and budget estimating as well as the tracking and processing of payments.

New York City Department of Parks & Recreation, Street Tree Division, New York, NY

Matthew manages all aspects of planting new street trees and replacement trees within the five boroughs of New York City. The project includes removal of dead trees and stumps, saw cutting concrete for new planting sites, excavation and preparation of the sites, planting, and installation of concrete or granite block pavers. Matthew acts as the primary interface between the community and the construction team. His other responsibilities include daily and weekly reporting, tracking and processing payments, conducting final and guarantee inspections, and project completion procedures.

Prior Experience:

Biennial Inspection of Steel-framed Bridges, Long Island, NY

As assistant team leader, Matthew performed in-depth structural inspection of three vehicular bridges.

Education:
Masters, Landscape Architecture, Cornell University, 2000

BE, Civil Engineering, The Cooper Union for the Advancement of Science and Art, 1997

Registrations:
Landscape Architecture, New York

Professional Engineer, New York

LEED Accredited Professional

Professional Memberships:
International Society of Arboriculture

Awards/Honors:
Full Tuition Scholarship to the Cooper Union, (1993-1997)Honorable Mention: National Street Tree Design CompetitionClarence S. Stein Fellowship

Publications:
"The Other America" The Times Herald Record, (2001)

"Southeast Asian Adventure" The Times Herald Record, (2002)

Seminars:
"Green 101" Elmwood Park, New Jersey, (2001)

"Langan Green Team" Morristown, New Jersey, (2007)

 # Years Technical Experience:9

Inspection of the Brooklyn Battery Tunnel, Brooklyn, NY

Matthew inspected the fresh air duct, roadway and exhaust air duct of the tunnel. Tasks included sounding, photographing deficiencies, and determining deficiency severity.

Biennial Inspection of the Lincoln Tunnel, New York Approach Roadways, New York, NY

Matthew inspected the concrete underdeck and steel superstructure of viaducts, including sounding, observing and photographing deficiencies, and rating deficiencies.

Inspection of Metro-North Railroad Culverts, Orange County, NY

Matthew provided in-depth inspection of 15, 100-year old culverts on the Port Jervis Line. He noted and quantified deficiencies and photographed existing conditions. He also compiled reports documenting recommended repairs.

Various Projects, B. Thayer Associates, New York, NY

As Civil Engineer/Landscape Designer/Inspector, Matthew was involved in the following projects.

Reconstruction of the Flushing River Bridge and Whitestone Expressway, Queens, NY

Matthew managed and designed roadside tree removal and the tree protection and planting plan along high-volume highways. He developed project planting notes, tree planting and soil excavation, and installation details. He also estimated quantities for all phases of landscape design.

North Avenue Bridge Replacement, Westchester County, NY

As co-team leader, Matthew was responsible for logistical coordination and in-depth inspection of 11 concrete retaining walls along the highway, documenting deficiencies, and developing repair details.

Study and Analysis of Waterways in New York City

Matthew prepared building structural inventory forms and coordination with the New York State Office of Parks, Recreation, and Historic Preservation for eligibility determination of 24 movable bridges in New York City. He performed field reconnaissance to collect information for inventory forms.

Jose A. Diaz, PE

Senior Project Manager

Jose A. Diaz brings more than 30 years of engineering and project management experience to the team. Jose is an expert in construction and project management, geotechnical and environmental engineering and construction claims analysis. He is also adept at cost engineering, including the development of complex cost models relating to commercial interactions between stakeholders, including private developers and public agencies. His experience encompasses a wide variety of projects, including educational, retail and commercial buildings; transportation facilities such as highways and rail yards; major industrial facilities, such as pharmaceutical processing plants, fossil and nuclear power plants; sanitary and industrial waste landfills; superfund remediation sites; and chemical handling and recycling facilities.

For the project, Jose will create and coordinate plans for project implementation; monitor the work of subcontractors, consultants, architects, engineers and vendors; oversee project budgets, schedules, bid negotiations, bid packages, change orders and site logistics; and manage requests for proposals and potential change orders. Jose will supervise the delivery of our construction management services, including scheduling, requirements validation, blocking and stacking plans, budget validation, procurement support, design reviews, constructability reviews, cost management, quality management, lease modifications, commissioning management and post-construction phase services.

Port Authority of New York & New Jersey (PANYNJ), World Trade Center (WTC) Downtown Restoration Program, New York, NY

Hill is providing program management services in connection with the planning, design, and construction of the new facilities at the World Trade Center, including the new permanent PATH Terminal (Transportation Hub). On assignment at the WTC site as Project Director, Jose headed up a Hill team responsible for providing program management services to PANYNJ related to the redevelopment of the project site. Services include scheduling, cost modeling, budgeting, and cost controls for all the capital programs planned for the WTC site valued in excess of $12 billion. Redevelopment programs include the WTC Transportation Hub, the WTC Memorial, site infrastructure, and retail and commercial facilities.

Port Authority of New York and New Jersey (PANYNJ), Insurance & FEMA Claims – World Trade Center & PATH, New York, NY

Jose served as project manager, on an assignment with the PANYNJ and working for the Assistant Chief Engineer, for the 9/11-related

Education:
MS, Civil Engineering, Rensselaer Polytechnic Institute, 1979

BS, Civil Engineering, Rensselaer Polytechnic Institute, 1976

Registrations:
Professional Engineer, New York

Professional Engineer, New Jersey

Professional Engineer, Pennsylvania

Professional Memberships:
American Society of Civil Engineers

Chi Epsilon - Civil Engineering Honor Society

Awards/Honors:
James G. Hellmuth Unit Citation, PANY&NJ, 9/11 World Trade Center Loss Recovery Project

 # Years Technical Experience: 30

World Trade Center loss recovery effort. He was a member of the Loss Recovery Team and was responsible for managing the estimating efforts for the capital losses sustained by the PANYNJ and for presenting the estimated loss claims to the insurers and FEMA. The project involved over $1 billion in losses related to the World Trade Center buildings and the PATH system. Losses to the PATH system include the World Trade Center Station, the tunnels under the Hudson River, and Exchange Place Station in New Jersey.

Metro-North Commuter Railroad, Harmon Yard Remediation, New York, NY

Jose completed an assignment as Project Manager for a $20 million environmental clean-up project for Metro-North Railroad involving remediation of a PCB and organic compound laced lagoon. He was responsible for overall project management and organization, overseeing the site remediation and removal of the contaminated materials.

Metro-North Commuter Railroad, Harmon Yard Seepage Control Project, New York, NY

As Project Director, Jose oversaw the design and installation of a seepage control cut-off wall, containment boom, and free-product (NAPL) recovery system at the Harmon Yard for Metro-North Railroad.

New Jersey Turnpike Authority On-Call Claims Management

On an assignment for the New Jersey Turnpike Authority, Jose evaluated major issues associated with differing site conditions claims. The work involved major contaminated soil excavations and the construction of roadway embankments. On a second assignment, Jose consulted on a differing conditions claim related to the installation of sonotubes, which caused cost overruns and delays.

New York Metropolitan Transportation Authority (MTA), MTA Independent Engineer's Certification Program, New York, NY

Jose was responsible for evaluating the adequacy of the maintenance programs for the Line Structures managed and executed by the MTA's operating agencies (New York City Transit, Long Island Rail Road, and Metro North Railroad). The reviews included the evaluation of the structural maintenance and repair programs for a vast infrastructure of bridges, retaining walls, viaducts, culverts and tunnels.

Union Station, Washington, DC, Del Studio Architects. As Project Director, Jose managed the development of cost estimates for a number of conceptual alternatives for possible intermodal transportation improvements slated for Union Station. Estimated costs ranged on the order of $150 million.

Luis G. Cortes

Resident Engineer - Civil

Education:
BS, Civil Engineering, Polytechnic University, 2001

AAS, Civil Engineering, New York City Technical College, 1998

Certificate, 4 Hour User/ Erector Supported Frame Scaffold Safety Training, Total Safety Consulting, New York, 2006

 # Years Technical Experience: 14

Luis G. Cortes has more than 14 years of experience in civil/architectural inspections, design, construction and construction management. Luis' experience includes pre-construction scope development, new building construction, landmark building restoration, construction management, scheduling, quality control, cost estimating, safety management, change order administration, contract negotiation, RFI tracking and response and claims avoidance and resolution. His project experience includes water treatment plants, zoos, libraries, museums, schools, parks, transportation facilities, government buildings and courthouses. Luis has contributed to notable projects through various roles such as Superintendent and Construction Manager for clients, including the Dormitory Authority for the State of New York (DASNY) and the New York City Department of Design and Construction (NYCDDC). He is also fluent in Spanish.

New York Metropolitan Transportation Authority (MTA), Grand Central Terminal, New York, NY, Resident Engineer

This project consisted of $23 million in renovations to provide Metro North personnel additional environmentally friendly facilities. The work included areas for train and engine crews, building services and customer service representatives and fire brigade personnel. Two floors were added to the existing space and an electrical substation built for Metro North use. Other project elements included restoring existing elevators to their original architectural features and operational upgrades. Existing architectural window bays throughout the floors were also restored to allow for greater natural light. Hill provided construction management, architectural and construction inspections, estimating, scheduling, delay analysis and project close-out. Luis served as Assistant Resident Engineer on the project, responsible for architectural and construction inspection; coordinating with the contractor, Metro North and other stakeholders; managing Hill estimators and schedulers; and reviewing submittals.

New York City Economic Development Corporation, East River Esplanade South Water Front Project, New York, NY, Resident Engineer

This project consists of civil/structural, architectural and landscaping construction, including improving access and enhancing pedestrian connectivity and public amenities along the water front, from the Battery Maritime Building to Pier 35. The project also entails pier redevelopment for recreational use and reconstructing Marginal Street

to feature a continuous bikeway, new seating and a planting drainage system and water main. The project is divided into several phases valued at $165 million.

Luis successfully and continuously coordinated project activities amongst EDC, DEP, DOT and the contractor. This project involved the lowering of the water table to install a cast in sewer line to an existing retaining wall. Luis worked on the temporary H piles necessary to hold the earth back and then backfilled the area once the sewer was cast. Luis managed pedestrian safety during the project because the operations were taking place in a high volume foot traffic area. He also supervised the contractor's work, resolved construction issues, monitored work schedules and promptly followed up on construction and safety issues.

New York City Department of Design and Construction (NYCDDC), City Hall Renovations, New York, NY, Superintendent

Hill is providing construction management services for the $100 million renovation of New York City Hall in Lower Manhattan. Renovations will include exterior and roofing improvements; installation of the new electrical service; complete replacement of heating, ventilation and air conditioning, fire suppressing, fire alarm, and audio-video; modernization of its elevators; and the complete renovation of all historical interior spaces. This is the first major renovation to this National register building in over 120 years. This project is designed and constructed to meet LEED Gold Accreditation.

Luis supervised the civil/structural renovation of the existing building and exterior work. Exterior civil work consisted of installing of a new concrete electrical vault and manholes to house new switchgear that would power a portion of the newly renovated building. Exterior work also consisted of installation of concrete ramps, excavation and backfill and grading for acceptance and security inspection of trucks arriving to the site. Interior civil work consisted of installation of new steel members and concrete slabs as indicated by the design team; new floor joist and sub flooring in certain rooms; and injection grouting, scaffolding system and shoring throughout the building. Luis coordinated with DDC personnel, Mayor office personnel, the design team, police officers/security, Hill team members and contractors.

Prior Experience

New Jersey Transit Light Rail/Tracks, Jersey City, NJ, Field Engineer

Luis served as Field Engineer for the $300 million project with a previous firm. He provided services for design-build projects and supervised the subcontractor placement of reinforcing steel, plinths, electrical conduit, railings, lime cement columns, welding and sewer pipe as indicated on the contract documents. Luis' main responsibilities included heavy civil engineering and earthwork. He performed pile driving operations and worked closely with contractors and surveyors to determine when and how much they could move the H piles. Luis also worked with concrete sheet piles and pre-drilling with the use of augers. He assisted the Project Manager in supervision and coordination of subcontractors, updated and corrected as-built drawings submitted by subcontractors, and submitted the as-built drawings to the Drafting Department for final issue to the client.

George E. Duda, PE

Senior Project Manager

George E. Duda has more than 30 years experience in the construction industry, specializing in project and construction management, engineering analysis and design, construction, resolution of construction claims and litigation support. George's projects include bridges, highways, airports, railroad facilities, rail transit car procurement, educational facilities, electrical generating stations, high rise commercial buildings, landfills and various smaller projects.

New Jersey Transit, General Engineering Consultant, Newark, NJ, Construction Manager

George served as Project Construction/Construction Manager for various projects under the New Jersey Transit's General Engineering Consultant (GEC) Task Order Contract. His responsibilities included contract administration, design reviews, project and construction management, coordination support, and coordination with Operations. Specific projects include:

- **Newark City Subway, (NCS) Light Rail Extension to Broad Street.** Extension of NJ TRANSIT'S project management staff for the multi-contract, $100 million, new one-mile subway extension from Penn Station to Broad Street Station. George provided design reviews for the Tunnel Ventilation System and for the Signal, Catenary, Communication, and Station Contracts. He provided resolution of construction issues related to signals, trackwork, street lighting, station communication system, change order assessments, and temporary support of existing structures.
- **Newark City Subway (NCS) Improvements.** Projects included replacement of the existing rail signal systems with a new Cab Signal System; track rehabilitation and drainage improvements at the NCS Penn Station Loop and along the Mainline to Branch Brook Park; Catenary Conversion at Orange Street and Central Avenue; and Penn Station Negative Return and Disconnect Switches. It also included oversight responsibility for the development of an integrated construction and testing schedule for all NCS Mainline projects, including the construction of new catenary, track work, stations, a one-mile subway extension to Grove Street, and a new maintenance facility at Grove Street.
- **Patterson Station Improvements.** Design and constructibility review.
- **Avenel Rail Station Reconstruction.** Design review of the contractor construction documents for a Design-Build form of contract.

Education:
MS, Civil Engineering, Drexel University, 1977

MS, Engineering Geology, Drexel University, 1997

BS, Civil Engineering, Drexel University, 1975

Registrations:
Professional Engineer, Pennsylvania

Professional Engineer, New Jersey

Professional Memberships:
Construction Management Association of America (CMAA)

American Society of Civil Engineers (ASCE)

The Metropolitan Railway Club of New York

 # Years Technical Experience: 30

New Jersey Turnpike Authority (NJTA), Holmdel Motor Vehicle Maintenance Facility/PNC Arts Center, Holmdel, NJ, Project Manager

George serves as the Project Manager for both of these projects. The Holmdel Motor Vehicle Facility involves demolition of an existing building and construction of a new motor vehicle facility at Mile 116.0 on the Garden State Parkway in Holmdel Township, Monmouth County, New Jersey. The project consists of demolition and removal of the existing New Jersey State Police Barracks and construction of a 4,500 SF motor vehicle facility and associated site work and utility connections. The building is a one-story building, slab on grade, consisting of three vehicle repair bays, an office, restroom/locker room facilities, breakroom and a parts storage room. The PNC Bank Arts Center Amphitheater Improvements - Phase II involves relocating various electrical panels, conduit and wiring serving the amphitheater facility, from a room below the stage to a storage room behind the stage.

New Jersey Turnpike Authority (NJTA) Statewide Traffic Management Center (STMC), Woodbridge, NJ, Project Executive

George served as the Project Executive for construction of management of the new $24 million, three-story, NJTA STMC project. The project was a steel frame and concrete structure adjacent to the existing Administrative Building. The site was very constrained and the adjacent Administrative Building with State Police functions had to be kept operational 24/7. His responsibilities included Project Administration functions, as well as technical responsibility for design reviews for structural steel, concrete and site utilities; resolution of design related construction issues; and claims avoidance.

New Jersey Transit, Southern New Jersey Light Rail Transit System (SNJLRTS), Southern, NJ, Senior Consultant

The project was an independent study of the sequencing and constructibility of the existing Bordentown Trenton Secondary Track for the SNJLRTS to reaffirm a 3-year construction period. George determined the scope of work and the construction duration for various construction activities for the project.

South Jersey Transportation Authority (SJTA), Atlantic City International Airport, Atlantic City, NJ, Project Manager

George served as Hill's Project Manager for the SJTA $77 million Capital Improvement Program at the Atlantic City International Airport. Hill provided project management and construction management services for 31 projects which included airfield improvements, extension of the existing terminal and parking areas, roadway improvements and additional signage. Services include conceptual engineering to implement projects contained in the Airport Master Plan, design consultant monitoring, grant preparation and construction management.

Brian Baldeo, PE

Resident Engineer - Mechanical

Brian Baldeo has more than nine years of experience as a project management engineer. His areas of expertise include mechanical engineering, project management, construction inspection, planning and scheduling and QA/QC. His skills include managing and executing an extensive range of deliverables for numerous projects from inception to finalization; concurrently managing budgets, proposals, contracts and project documentation while establishing strong client relationships. Brian's specialized computer skills include Microsoft Office, AutoCAD, CostWorks, Deltek Vision, Newforma, Primavera, Prolog, Vela, Webenizer, Skire and Adobe Photoshop.

Port Authority of New York & New Jersey, On Call services for PANYNJ Facilities, Jamaica, NY, Mechanical Construction Engineer

For projects at JFK International Airport, Brian's duties in the Construction Management Division, Resident Engineer's office include overseeing the general contractor and providing direction within the construction process as well as managing contract progress, schedules, costs, budgets and labor for Port Authority contracts and work orders. He is also the Port Authority engineering representative on Tenant Alteration Application (TAA) jobs that verifying that contracts are built to design specifications, conducting pre-inspections when general contractors have completed a specific portion of the project and acting as liaison between Port Authority Quality Assurance division and Fire Protection unit that provides final project close out. Specifically, his projects include:

- Bulk Fuel Farm Geo Composite Liners ($4.7 million): Containment area composite geoliner installation for 50 aircraft fuel storage areas. The geoliner prevents soil contamination in the event a tank (approx. 185 K gallons) is compromised.
- Jamaica Airtrain Station, Elevator Machine Room HVAC Upgrade ($700 K): Installation of three new heating, ventilation and air conditioning (HVAC) units to provide sufficient cooling for the once undersized elevator machine room air conditioning units. This project also includes steel re-enforcement work and controls integration.

Education:
BS, Mechanical Engineering, Polytechnic Institute of NYU, 2007

Registrations:
Intern Engineer Certificate, NY

Professional Engineer (PE), NY

Professional Memberships:
U.S. Green Building Council (USGBC)

American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE)

Association of Energy Engineers (AEE)

Project Management Institute (PMI)

Awards/Honors:
HEA Employee of the Month, 2009

Seminars:
"Under-Floor Air Distribution System"- New York, NY

 # Years Technical Experience: 9

Olulade Ademokun, PE

Senior Inspector - Structural

Fire Protection System and Fire Resistant Construction Inspector (Sprayed Fire-Resistant Materials, Smoke Control Systems, Standpipe and Sprinkler Systems, Firestop, Draftstop and Fireblock Systems)/ Welding Inspector (Structural Steel, Erection & Bolting, Cold-Form Steel, High Pressure Steam Piping, Fuel-Gas Piping and Aluminum)/Bolting Inspector/Shop Welding Inspector (High Pressure Steam Piping, Fuel-Gas Piping, Aluminum)/ Concrete-Cast In Place, Precast, Prestressed Concrete and Masonry Inspector/ Concrete Field Technician, ACI1/ Soil Inspector (Site Preparation, Fill Placement, In-Place Density and Investigations Borings/Test Pits)

Newtown Creek Water Pollution Plant, Brooklyn NY

Coordination and project management of daily inspection of several facets of the construction works.

Water retention facility SWPPP

Residency Technical inspection of all activities from geotechnical (inception soil exploration) soil laboratory analysis, foundation and soil backfilling inspection, Concrete mix design, field testing and laboratory test analysis, steel shop fabrication and field erection inspection.

Memorial and Tower 1 buildings of the World Trade Center, NY

Concrete, Formwork, Masonry and Reinforcement supervision at the Reconstruction of Memorial and Tower 1 buildings of the World Trade Center.

New York City Housing Authority Properties (Polo-grounds, Laguardia, Johnson), NY

Re-Testing and Structural analysis of NYCHA Properties (Polo-grounds, Laguardia, Johnson etc.)- New York City Housing Authority.

Numerous private owned reconstruction of Apartment buildings and private projects, NY

Special inspection performed for various apartment buildings in NY. Special Inspection included Concrete, Masonry, Soil and Field Erection.

Education:

Post Graduate Diploma, Civil Engineering, Federal University of Technology, Akure, Nigeria, 2005

Higher National Diploma, Civil Engineering, Yaba College of Technology, 1999

National Diploma, Civil Engineering, Ondo State Polytechnic, Owo (Rufus Giwa Polytechnic), 1995

Licenses and Certifications

Professional Engineer - NY

America Welding Society CWI, International Code Council (ICC), Master Special Inspection, Masonry, Fire proofing / Firestopping, Soil , Structural Steel and Bolting, Structural Welding, Reinforced Concrete, American Concrete Institute, ACI Level 1

Professional Affiliations

Member, America Society of Civil Engineer, ASCE. Regn No: [redacted]

Member, America Welding Society

Member International Code Council

 # Years Technical Experience: 19

Edmund C. Williams

Resident Engineer - Electrical

Edmund C. Williams has more than 30 years of experience in the management, inspection and engineering of complex construction and renovation projects. Ed's project experience includes providing energy surveys for commercial buildings as well as rail systems and terminals, airports, hospitals and healthcare facilities, roadways and bridges, schools, libraries, theaters and cultural centers. His background and experience in electrical engineering have been integral in each of the projects to which he has been assigned. He also is highly adept at managing construction work and project teams, and in training end-users and owners. In addition, Ed was Vice President of Operations and a director of instructors at the Industrial Management and Training Institute of New York, a New York State-licensed and nationally accredited school for apprenticeship training in electrical, plumbing and HVAC programs.

As Project Manager, Ed will create and coordinate plans for project implementation; monitor the work of subcontractors, consultants, architects, engineers and vendors; oversee project budgets, schedules, bid negotiations, bid packages, change orders and site logistics; and manage requests for proposals and potential change orders. Ed will supervise the delivery of our construction management services, including scheduling, requirements validation, blocking and stacking plans, budget validation, procurement support, design reviews, constructability reviews, cost management, quality management, lease modifications, commissioning management and post-construction phase services. His specialized computer software skills include Microsoft Project, Primavera P6 and Primavera Enterprise Project Portfolio Management.

New York Power Authority (NYPA), White Plains, NY, Senior Construction Engineer

As a project consultant for NYPA, Ed oversaw project installation of an ice chiller and 13.8KV switchgear for The State University of NY (SUNY)-Purchase campus ($14 million). He also provided oversight for project installation of 138KV and 27 KV substation construction for Metro North Railroad which included new catenary, switchgear, SCADA and control buildings ($46 million). In addition, Ed was assigned as technical support for NYPA's "Build Smart NY" Executive Order 88 which requires all state agencies and buildings to reduce energy use by 20% per square foot by 2020.

Education:
B.S., Electrical Engineering, New Jersey Institute of Technology, 1978

M.B.A., Business Administration, Keller Graduate School of Management, 2013

Professional Memberships:
Project Management Institute

Construction Management Association of America

International Association of Electrical Inspectors

Association of Energy Engineers

 # Years Technical Experience: 30

New York City School Construction Authority (NYCSCA), New York, NY, Project Consultant Contingent Staff

Employed by Hill as a Project Consultant Contingent staff member to senior management with the NYC School Construction Authority, Ed provided management support from project scope, design, and construction to closeout. His major projects included:

- New $62 million, 1,200-student, 107,000 SF High School Renovation
- Two $15 million Existing High School Science Lab Renovations
- A $15 million, 4,000-student High School Restructuring, Structural Stabilization and Waterproofing
- High School Pool Installation

New York City School Construction Authority (NYCSCA), New York, NY, Project Officer

On behalf of the NYSCA, which builds new public schools and manages the repair and renovation of capital projects for the New York City Board of Education encompassing 1,200 public schools and one million students, Ed functioned under the direction of a NYCSCA Senior Project Officer, providing administration and coordination of activities for the design and construction of both new schools and major modernization of existing school projects. Ed helps to ensure the quality and high standards of performance and compliance in both design and construction by all consultants and vendors. He makes decisions and takes action in a timely manner to expedite the timely completion of the construction process. He is also responsible for correction of mistakes and errors in design and construction before they can be extensively incorporated into the project or as early in the construction process as possible.

Prior Experience

The Port Authority of NY and NJ (PATH), Jamaica Air Train Project, Jamaica, Queens, NY, Senior Electrical Engineer Inspector

Ed provided design review and inspections of substations, main vertical circulation building and portal canopy power distribution. He also supervised and reviewed equipment commissioning, start-up test and preventive maintenance training.

Engineering, Construction and Project Management, New York, NY, Senior Project Scheduler and Engineer

Ed provided contract management and project scheduling; analyzed schedule for railroad outage conflicts, staging and phasing of construction activities; produced sub schedules and logic diagrams to schedule the interfacing between project work and train schedules. He also established an earned value management system to tie resource planning to project technical cost and schedule requirements for senior management reports. In addition, Ed linked cost and schedule activities between Primavera P3 and Expedition 7.0 to develop monthly reports; provided cost loading and end-of-month project control; and provided cost estimates for civil mechanical and electrical contract changes. Specifically, his projects included:

- JFK International Airport Air Train Terminal, Jamaica Station, Queens, NY
- Port Authority and Long Island Railroad, Seven-Story Air Terminal and Railroad Operations Building New Construction ($560 million, five-year project)

Luis Nina

Inspector - Civil

Luis is a young energetic construction inspector with cross functional experience in high way construction industry. He is self driven, result oriented motivated professional with exceptional oral communication skills. He is excellent in daily report writing in detail. He is dependable, conscientious and an outstanding team player.

McMill and Reservoir Dam, NJ

Inspector for the construction of upper and lower outfall structures, grouting of stones face, cofferdams, abutments and bridge hanger extension, valve, siphon installation. All inspections in accordance/ with reference to required standards: Planning & Zoning Board - Municipality Regulations, RSIS, IBC, Escrow, and Contracts Laws (NJSA 40.1), ACI, ASTM, APA, DOT.

Overpeck Park Landfill, NJ

Utilities Work sanitary, leachate, and storm, pump stations, grinder pump, flared end structures and scour holes. Responsibilities included generating daily construction records including reports, quantities, budgets, punch list. Communicating with contractors and project engineers, and handling day-to-day construction operations and client interaction.

Municipal Programs, NJ

Inspector for various Highways/Roads, Bridge, Pool, Tennis Court, Park, Building, Parking Lot, Landfill, Equestrian Center, Horse Stable, Running Track, Fire Station, Retaining Walls, Traffic Light, Substation, Storage Oil Tanks.

Tabor Road, Morris Plains, NJ

Responsible for the testing of Sub-grade HMA compaction density and air void percentage Proctor density by nuclear gauge. Reported to resident engineer.

Giralda Farms, Madison, NJ

Underground Parking Garage (Concrete). Senior Inspector Responsible For All Phases Of Building Construction.

Education:
BS, Civil Engineering Technology

AAS, Civil/Construction Engineering Technology

 # Years Technical Experience: 10

Licenses and Certifications:
NICET: Construction Material Testing – Concrete I, II, Construction Material Testing – Soil I, Transportation

ACI - Concrete Field Testing Technician

Municipal Engineering Construction Inspection Part I (Rutgers CAIT)

Municipal Engineering Construction Inspection Part II (Rutgers CAIT)

40 Hours Hazwoper Training Certification

Quality Control Certification for Concrete Inspection (ACI Committee)

Asish Sengupta, PE

Resident Engineer - Civil

Education:
Bachelor of Engineering, Civil, First Class, University of Calcutta, India

Completed 24 credits towards Master of Civil Engineering at NJIT, Newark

 # Years Technical Experience: 40

Asish has more than 40 years of structural design experience in this country. He is competent in both steel and concrete structure of multistoried high rise office and residential apartment buildings, petrochemical, pharmaceutical, chemical, textile, steel mill and chemical industrial and airport facilities. He is highly qualified versatile structural engineer and completed as a Project Manager multimillion dollars complex projects for diverse private enterprises and public agencies. He is team player with outstanding communication and presentation skill.

Nycha Development at Lower East Side of Manhattan

He supervised and inspected the brick veneer replacement of various buildings located at Allen & Eldridge Street; at Avenue C between 3rd St and 7th St. He was responsible for special inspection of mortar, masonry, fenestration and thermal valves, rating of air leakage etc.

Sip Ave Housing, Jesery City, NJ

A new multistoried concrete framed parking building was constructed next to the Fire Houses. The foundation of the parking building was below the fire houses existing foundation. He was responsible for inspection and supervision of special inspection of foundation of new structure and underpinning of existing structure.

LaGuardia Aiport, Strengthening and Upgrading of Taxiway

He was the engineering project manager for this $850 million dollar project from inception to completion of the project. The entire taxiway is on water. Columns are supported by 150 ft long piles. The taxiway slabs were supported on the beams and these beams were spacing between columns. The new aircrafts which have more concentrated load from landing gear, the strengthening of taxiway was required. The pre stressed precast beams were fabricated at site and installed to strengthen the taxiway slab. He was responsible for inspection of pretention and poof testing of tendons and casting of concrete.

Lefferts Blvd and 975 Essex Street, Brooklyn, NY

He was the project manager for installation of various equipment including deep foundation, excavation, sheeting, storing and bracing, backfill, under piping of hear by existing equipment foundation. He also performed calculation of structural safety and stability of these installations.

Excelsior Packaging, Yonkers

New additional equipments were installed inside the existing one story building. He was responsible for controlled inspection of mini bite concrete driving, pile cap, equipment foundation, concrete slab on grade on unsuitable soil, concrete design mix, site-soil preparation, fill placement, in place density test etc.

Jamie Agpalo

Inspector - Mechanical

Education:
Bachelor of Science in Mechanical Engineering (B.S.M.E), Mapua Institute of Technology, Manila, Philippines, 1978

 # Years Technical Experience: 25

Townhouse Center for Rehabilitation and Nursing, Uniondale, NY

Responsibilities included inspection, testing, operation, and maintenance of Fire Protection system, Emergency Generator and Lighting system, Refrigeration and air-conditioning system, Boilers, Domestic Water Heaters, Oxygen and Suction system, Medical Devices and Kitchen Equipment.

Rockville Residence Manor, Rockville Center, NY

Responsible for the planning and implementation of Corrective, Preventive and Predictive Maintenance/Operation/Safety of Health Related Facility building and equipment, direct supervision of Contractors and maintain the physical appearance of the 66-bed Nursing Facility. Also responsible for quality improvements of the building and equipment necessary for the safe and economical operation of the facility and played a vital role in the attainment of Safety and Health Standards required by the Department of Health of the State of New York.

New Yorker Hotel, New York, NY

Responsibilities included inspections of plumbing fixtures, Fire Protection system, Emergency Generator and Lighting system.

Various Commercial Buildings in NY

Performs inspections for the testing of Heating, Ventilation, Air-Conditioning and Refrigeration (HVACR), Boilers, water-heaters and emergency electric-generators and flue liners for new construction or renovation of commercial buildings within the five boroughs of New York. Ensures that contractors install Heating, Ventilation, Air-Conditioning and Refrigeration (HVACR), Boilers, Water-Heaters and Emergency Generators, DDC Controls, equipment and accessories in accordance to the codes of the New York City Department of Buildings (NYCDOB), International Code Council (ICC), American Society of Mechanical Engineers (ASME), National Fire Protection Association (NFPA), United Laboratories (UL), Sheet Metal and Air-Conditioning Contractors' National Association. Inc. (SMACNA), Manufacturers' Instructions, approved contract drawings, plans, shop drawings, submittals and specifications. Analyses findings and non-conformance issues, generates documented computerized reports and electronically-transmits to the Company Headquarters for final approval. Communicates with the owners' Project Officers and Contractors to ensure that non-

conformance issues are corrected in a timely fashion. Conducts follow-up inspections to ensure that corrections were completed before closing the items and signed-off. This will ensure that the management of inspected projects is completed according to schedule.

Various Commercial Buildings in Long Island

Performs inspections for the testing of Heating, Ventilation, Air-Conditioning and Refrigeration (HVACR), Boilers, water-heaters and emergency electric-generators and flue liners for new construction or renovation of commercial buildings in Long Island.

Ed Bonventre

Inspector - Electrical

Ed is a knowledgeable construction professional with twenty years hands on experience in electrical trade. He managed, coordinated and inspected from start to finish thru all phases of construction. He maintained all project related documents, correspondences, contract documents, estimates, reports, RFI's, change orders, shop drawings and submittals. He is an effective communicator and highly skilled in report writing and excellent in computer. He is a team player, friendly, cooperative and easy to work with.

DASNY - Staten Island Supreme Courthouse, Staten Island, NY

Ed is the Electrical Superintendent for a new five story 154,000 gross square feet Staten Island Supreme Courthouse, which will house the Surrogate, Supreme Criminal and Supreme Civil Courthouse. Space includes 14 Courtrooms and related parking. The courthouse will be constructed at St. George, Staten Island.

NY Psychiatric Institute, New Fire Alarm Installation, NY

Project Cost: $2.5 Million. Ed oversaw installation of new fire alarm system while maintaining existing system until hot cutover during off hours in occupied mental health facility. Oversaw installation of new conduit, wiring, devices, testing and fire stopping. General duties included customer relations, layout work to field personnel, coordination of customer's needs and scheduling.

NY Psychiatric Institute, Mechanical Refit., NY

Project Cost: $60 Million. Ed Oversaw high voltage power for major mechanical refit. Modification to building service, oversaw low voltage interconnect wiring and point to point terminations and testing.

Steiner Studio, Brooklyn Navy Yard, NY

Project Cost: $8.5 Million. Ed supervised new 8000 amp service. Installed all riser and distribution panels, installed all riser to mechanical equipment. Supervised installation of new security system, all conduit, wires, devices, terminations and testing. Oversaw installation of Lighting Protection System and all layouts.

Installation of power, light and low voltage systems in commercial and residential buildings in NY

Project Cost: $3 Million. Supervised installation of power and lighting for cosmetic area, lower lobby. Installation of risers, panels and branch power.

Education:
Course work at St. John's University, Staten Island, NY

Course work at Nova Southeastern University, Davie, Florida

Licenses and Certifications:
OSHA 10 Certification

7 Hour Site Safety Certificate

 # Years Technical Experience: 15

Phil Tropea

Civil Inspector

Education:
Business Management,
Pace University, 1982

 # Years Technical Experience: 25

Phil Tropea has more than twenty five years hands-on experience implementing and leading high-visibility construction for municipal, institutional, residential, municipal and industrial programs from Notices to Proceed to Certificates of Occupancy and close-outs. Provided supervision, inspection of civil and structural work in order to complete the project successfully, safe and on schedule and within budget. Lead contractors and vendors in coordination and interpretation of the contract documents for structurally sound and aesthetic facilities in preparation for end-user and/or Owner acceptance. Anticipate plan and address issues prior to them becoming problematic, by taking timely action to achieve resolution. Deliver tangible results; negotiate contractual changes and settlements; preparation of requests for payment to the Owner and authorization of progress payments to the subcontractors, consultants and vendors. Maintaining the highest level of integrity in managing the support staff and field operations, in conjunction with the overall responsibility for the projects while demonstrating himself as a major player. He is well versed with the construction procedure, method, rules and regulations of New York City Department of Building.

NYCT, Montague Tube Rehabilitation, New York

Duties included inspection of the extent of demolition, appropriate disposal of debris and inspection of new construction.

New York City Housing Authority multi-dwelling building renovation program, NY

Responsibilities include major asbestos abatement, new electrical service, a 750 unit apartment mod and a 61 unit elevator mod.

NYCSCA, PS 21, New York

Responsible for a mechanical / rest room upgrade at Stuyvesant Vocational and exterior / interior gymnasium modernization and investigation / coordination of an asbestos abatement program.

NYCSCA, PS 21, PS 52 and PS 14, New York

Responsible for the coordination and implementation of foundation work for two school six classroom additions in Staten Island, NY for the New York School Construction Authority. PS 52 and PS 14 located at 450 Buel and 100 Tompkins Avenues, Staten Island, NY, respectively, both valued at $16M, Contract No. C-4654. Each set of prefabricated units were in set in place prior to his departure.

Upgrades at Sikorsky Memorial Airport , CT

Responsible for general estimates, appropriation of funds, selection of engineering firms and implementation of a Structural Reinforcement Program, a major abatement program, new equipment installations, new w/s roof top units and various process and manufacturing system upgrades and improvements; inclusive, a perimeter site security program.

Raja Anupindi, Ph D, PE, CEM, LEED AP

Inspector - Mechanical

Raja is a Mechanical engineer experienced in both design and the field. He visited the field, performed the existing field condition survey, preparing report with photos. He recommended for the rectification of the defects. He is a detail oriented meticulous designer and field inspector conforming to the proper installation of mechanical equipment. He has proven expertise in field inspection, progress reporting, progress photos, supervising and guiding subcontractors. He also performed special mechanical inspection of the project.

La Guardia Central Terminal Building, Queens, New York

Raja is providing professional engineering services for electrical design including Air Traffic Control Tower (ATCT) including demolition of existing tower below the roof, line of the concourse, line of site, shadow, reflection studies, hydrant fueling system, airside layout and technical evaluations, utility assessments, roadway layouts and traffic analysis, program development, design criteria summary(ies), sustainable design analysis, project phasing and construction staging, preliminary design of airport roadways, bridge structures, aircraft pavement, structural, rail alignment right-of-way, and site and landscape development criteria and analysis.

Rehabilitation of 12 Stations on the West End Line, Brooklyn, NY

The West End Line, Subway line in Brooklyn, NY is a branch line from the Broadway (Manhattan)-Fourth Avenue (Brooklyn) subway. Mr. Anupindi is providing HVAC design services for the upgrade and rehabilitation of these 12 stations, both, underground and above ground stations. He was also the Project Manager of this project during design phase.

LIRR Morris Park Locomotive Repair & Overhaul Shop, New York, NY

Mechanical Engineer responsible for design and construction administration of the new Morris Park Locomotive Repair and Overhaul Shop to replace the aged LIRR Morris Park Facility. The Morris Park facility was placed in service in 1889 and is in need of replacement. Due to the deteriorated condition of the Morris Park Facility, there are no LIRR facilities available to efficiently conduct heavy repairs of locomotives. The new Heavy Equipment Shop facility's main function will be component change-out, heavy repairs, life cycle maintenance, and overhauls of locomotives used in revenue service and those used as work trains.

Education:
PhD, Mechanical Engineering, University of Missouri, 2011

MS, Mechanical Engineering, University of Missouri, 2005

BS, Mechanical Engineering, Jawaharlal Nehru Technological University (JNTU), 2003

Licenses and Certifications
Mechanical Engineer: California

ICC Certified – Commercial Mechanical Inspector

 # Years Technical Experience: 7

Baisley Park Bus Depot, Queens, NY

Under an MTA Bus Company Task Order, A.G. Consulting Engineering, PC is preparing a facility condition survey report and a complete set of construction documents including plans, specifications, and Engineer's estimate for the design of complete mechanical, plumbing and electrical systems of the entire facility. AG is also providing support during pre-construction and construction phases.

Bleecker Street Station Lexington Avenue, Number 6 Line, New York, NY

Design of mechanical systems for the Bleecker Street (IRT) and Broadway-Lafayette Street (IND) Stations Transfer Connection, Rehabilitation, and ADA Key Stations Project Expansion. The IRT station currently provides only southbound transfer to the IND line. The uptown platform is being extended 300 feet, and a stairwell and elevators added to link the extension to the IND platforms below. New ADA-approved elevators will provide street access to both lines at Crosby and Houston Streets, and four internal elevators will provide transfer between the lines.

Melvin Douglas

Inspector - Electrical

Education:
Electrical Engineering Training Program, International Brotherhood of Electrical Workers

A.S., Mechanical Engineering, Guilford Technical College, Greensboro, NC

A.S. Business Management, Monroe College, NY Bach of Law, Specialization in Law of Contracts-1974

Years Technical Experience: 30

Melvin has over 30 years experience in Construction Management. This includes planning, reviewing for QA/QC, constructability, electrical trade and cost estimation, and construction of new and existing building projects. He is highly skilled in the oversight and execution of all aspects of electrical construction installation and management responsibilities on major NYC projects.

Brooklyn Battery Tunnel Ventilation Building, Manhattan, NY

Melvin is currently working as Electrical Inspector on Brooklyn Battery Tunnel Ventilation Building at Manhattan, Brooklyn and Governor's Island. Total upgrading of electrical system including replacement 2-5,000 AMP switch gear, 100HP motors, ATS for generator, rewiring of transformer feeder cable, installation of new wires and conduits.

Staten Island Supreme Courthouse, Staten Island, NY

Melvin was the Sr. Electrical Superintendent for a new five story 154,000 gross square feet Staten Island Supreme Courthouse, which will house the Surrogate, Supreme Criminal and Supreme Civil Courthouse. Space includes 14 Courtrooms and related parking.

Long Island University Wellness Center Building, Long Island, NY

New medical and recreational facility building with a new NCAA competition swimming pool and basketball court, hospitality suites, a wellness and fitness center and a rooftop running track and tennis court. Worked as electrical superintendent for the installation of all equipment, switchgear, transformer, generator, motors, cable installation, and conduit layout.

Fashion Institute of Technology (FIT) Dormitory Building, NYC, NY

Major renovation for the conversion of an existing warehouse building into the primary dormitory facility for FIT. Electrical superintendent for electrical upgrading of electrical system to fit dorms requirements. Most of the dorm rooms were converted to efficiency apartments. Recreational room, lounge, cafeteria etc were built with electrical lighting and power system.

Queens Hospital New Emergency Service Building, Queens, NY

New three story emergency service medical building. Worked as electrical superintendent to close out the project. Checked the project was constructed as per drawing, punch list items were addressed adequately, change orders were resolved properly, all close out documents were submitted as per specification and final payment to the construction contractor.

Ardash Meguerdichian, CIPE

Senior Inspector - Mechanical

Education:
New York University, New York, New York, 1986

New York Institute of Technology, B.S., New York, 1976

Licenses:
NY Certified in Plumbing Engineering

 # Years Technical Experience: 32

Ardash has over 34 years of experience in the design and engineering of cold water, hot water, sanitary, medical gases, site utility, sprinkler, dry stand pipe, and pre-action systems gas lines. Ardash is experienced in planning and design of integrated fire protection systems for various buildings, including healthcare facilities, educational facilities, landmark buildings, research and medical laboratories, corporate facilities, and hotels. Responsibilities include preparation of reports, design, existing condition surveys, budget estimating, coordinating, specification writing, approving shop drawings, troubleshooting and field inspection. He reviewed extensively plumbing design projects from the constructability point of view and improved the final design and specification accordingly. Ardash was a member of the Technical Committee for NYC Building Code 2008.

TBTA, BBT Project BB-15A Control & Monitoring Enhancements/ Control Room Modernization, Brooklyn Battery Tunnel, New York

Scope included Administrative Procedures, Investigations and Feasibility of Design; Advanced Design with Constructability Review; Final Design, Pre-Construction and Design Support during Construction; and System Programming and Maintenance Requirements. Due to the critical nature of the tunnel, a complete temporary control room was designed. The electrical design included the control room power, communication systems and lighting, development of the temporary control room design package including power, UPS and communication wiring.

LIRR New Morris Park Locomotive Repair & Overhaul Shop, Jamaica, NY

Appreciating the competency of AG, LIRR awarded the team with the design and construction administration of the New Morris Park Locomotive Repair and Overhaul Shop to replace the aged LIRR Morris Park Facility. The new facility's main function will be component change-out, heavy repairs, life cycle maintenance, and overhauls of locomotives. Scope involved HVAC, plumbing, fire protection systems design and construction administration services including office areas, conference room/lunch room, restrooms and locker facilities.

NYCT Rehabilitation of 12 Stations on the West End Line, Brooklyn, NY

The West End Subway Line in Brooklyn, NY is a branch line from the Broadway (Manhattan) – Fourth Avenue (Brooklyn) subway. AG is

providing HVAC, Plumbing and Fire Protection engineering design services for the upgrade and rehabilitation of these 12 stations, both underground and above ground stations.

MTA Bus Baisley Park Bus Depot, Jamaica, NY

Under an MTA Bus Company Task Order, AGCE is preparing a facility condition survey report and a complete set of construction documents including plans, specifications, and Engineer's estimate for the design of complete mechanical, plumbing and electrical systems of the entire facility. AG is also providing support during pre-construction and construction phases.

NYCT Fulton Street Center Station Complex, New York, NY

The FSTC is a new above ground structure to be located on Broadway, between Fulton and John Streets. The FSTC complex will link NYC Transit facilities with PATH service and provide for a new underground corridor that will be extended in the future into the redeveloped World Trade Center area. The contract services include the development of electrical, HVAC and plumbing, fire protection design concepts, including the performance of studies, and preparation of Preliminary Engineering documents (plans, specifications, cost estimates and schedules designated as Phases I), Final Design (Phase II) and Construction Support Services (Phase III).

John Bowman

Inspector - Mechanical

Education:
A.S., Applied Science, State University of New York at Farmingdale A&T

Alexander Hamilton Vocational Technology High School

 # Years Technical Experience: 35

John has more than thirty five years in MEP Construction trade. He is fully conversant with MEP system and subsystem design, installation, commissioning, start up and hand over to the end users. He can analyze and trouble shoot all the MEP and Building Management Systems. He is a self starter and leader with a knack for fixing and improving the entire system. He is meticulous, decisive and completes the assignment within time without compromising the quality of workmanship. He is liked by his supervisors, client, the government agencies having jurisdiction, peers and subordinates for his positive attitude to get the job done.

Staten Island Supreme Courthouse, New York, NY

John is the Sr. Mechanical Superintendent for a new five story 154,000 gross square feet Staten Island Supreme Courthouse, which will house the Surrogate, Supreme Criminal and Supreme Civil Courthouse. Space includes 14 Courtrooms and related parking. The courthouse is under construction in St. George, Staten Island. Project cost $120M. He is responsible for preparation of coordination drawing which is acceptable to all related trades. He reviewed the entire HVAC system considering ventilation and exhaust system. He was involved in coordinating with City for connection of water, sanitary and storm sewer system.

Brooklyn Museum, Brooklyn, NY

Sr. Superintendent for various projects for the museum including: Projects Phase 4a, Phase 4b And Phase 5.

Kings County Hospital Center Building "S", New York, NY

Project was a New Hospital with new operating rooms, New Emergency (Adult And Children) Delivery Room, and New Electrical Substation and Generator, HVAC System.

Kings County Hospital Center Building "E"

Kings Count Hospital Center Building "E". This Project is Part New and Renovation, adding complete change of floors and added New Electrical Systems and Hvac, Plumbing, Fire Protection and Fire Alarm System.

Kings County Hospital Center Building "R"

Project Description: This is a New Behavioral Health Center In Brooklyn, NY.

Ali Miah, PE

Resident Engineer - Electrical

Education:
MS, Electrical Engineering, New Jersey Institute of Technology

BS, Electrical Engineering, Bangladesh University of Engineering, and Technology, Dhaka, Bangladesh

 # Years Technical Experience: 36

Electrical Engineer with a Professional Engineers License and an MSEE in Power Systems with 36 years experience with large Electric Utilities and Consulting Engineering Companies. Demonstrated accomplishments in the project engineering and design engineering of airports, waste water treatment plants, facilities and infrastructure projects, emergency power system projects at New York City Hospitals, including Data Center. Worked as Project Engineer and Design Engineer of High Voltage and Medium Voltage substations including protective relaying and controls. Designed fossil power plants, co-generation plants and nuclear power plants. Design included power plant electrical systems, interface with utility substations, control and instrumentation system. Performed short circuit studies, relay coordination studies and relay setting calculations using EDSA Paladin Design Base 2 Software and SKM Power Tools. Worked as Project Engineer and Design Engineer of fire alarm system projects for high-rise buildings, industrial facilities, hospitals and public schools. Worked on projects with various Agencies including Port Authority (JFK), NYC DEP, NYC TA, DASNY, NYC & NJ Public School projects.

TBTA, Electronic Security Design and Design Support Services for Project 26 for Throgs Neck Bridge, New York

The Throgs Neck Bridge, built as a key link in the interstate highway system, is turning 50 years old on Jan. 11th. The bridge towers are 360-feet above mean high water. Scope of services include, but is not limited to the design, construction support services, testing and inspection during installation of security-related systems at the bridge anchorages and towers' perimeter doors/hatches, underside of the suspended spans, fenders and tower pedestals.

NYCT 68th Street/Lexington Avenue Line Installation of ADA Elevators

68th Street Station is designated as a "Key Station" with an average daily usage of 29,000 passengers. The purpose of this project is to provide vertical accessibility for 68th Street Station and to meet all the guidelines set forth in the Americans with Disability Act Accessibility Guidelines. He was responsible for installation, inspection and commissioning of maintaining uninterrupted electrical power for station lighting and power, signal services, AFC equipment, control booths, communications equipment, employee facilities, and tunnel lighting.

Jacobi Medical Center, Bronx, NY

Construction supervision, commissioning and inspection services for emergency power system upgrade of Jacobi Medical Center and North Central Bronx Hospital, Bronx, NY. The scope of work included the emergency power distribution system throughout the hospitals at Jacobi Medical Center, installation of emergency generators, transfer switches, paralleling switchgear, distribution panels, power and control circuits for HVAC equipment as well security system Reviewed shop drawings to ascertain compliance with the Contract Documents, National and Local Electrical Codes and other applicable codes.

NYCSCA, Various NYC Public Schools, NY

Construction supervision and inspection services for the electrical system upgrade, low voltage electrical system upgrade and fire alarm system upgrade of various Public Schools at New York City. Participated in meetings with clients, city agencies, state agencies, utility service representatives, project teams and contractors. Prepared contract drawings and specifications. Provided response to Contractor's RFI's. Performed field acceptance tests of electrical equipment. Performed site surveys and engineering estimates for planning purposes and construction purposes. Reviewed shop drawings to ascertain compliance with the Contract Documents, National and Local Electrical Codes and other applicable codes.

Arthur Kill Correctional Facility, Staten Island, NY

Supervised the demolition and construction of replacement of 5 KV underground distribution feeders and existing Fire Alarm System. Involved in commissioning, inspection and testing of related electrical equipment. Participated in meetings with clients, city agencies, state agencies, utility service representatives, project teams and contractors. Prepared Change Orders. Provided response to Contractor's RFI's. Performed field acceptance tests of electrical equipment. Reviewed shop drawings to ascertain compliance with the Contract Documents, National and Local Electrical Codes and other applicable codes.

Raymond C. Kallberg, PE

Resident Engineer - Mechanical

Education:
BS, Mechanical Engineering, New York Univeristy

Licenses and Certifications
Mechanical Engineering – New York, New Jersey

 # Years Technical Experience: 40

An experienced Mechanical Engineer and Project Manager, Mr. Kallberg is responsible for design, specifications, load calculations, reports, supervision of designers, coordination of disciplines, cost estimates, field work, shop drawing review, client liaison and construction administration for a variety of projects. His over 40 years of experience spans institutional, correctional, commercial, industrial facilities, residential buildings and includes both new construction and renovation. He designed geothermal and traditional HVAC system with an emphasis on energy management and control system.

TBTA, BBT Project BB-15A Control & Monitoring Enhancements/ Control Room Modernization, Brooklyn Battery Tunnel, New York Project Manager/Sr. Mechanical Engineer

Scope included Administrative Procedures, Investigations and Feasibility of Design; Advanced Design with Constructability Review; Final Design, Inspection and Design and Construction Support Services. Due to the critical nature of the tunnel, a complete temporary control room was designed. The electrical design included the control room power, communication systems and lighting, development of the temporary control room design package including power, UPS and communication wiring. This was a LEED project.

PANY&NJ, Goethal's Bridge Renovation of Main Telecommunication Room, Staten Island, NY, Sr. Mechanical Engineer

He was responsible for condition inspection and HVAC design services for complete modification of the Telecommunication Room at the Goethal's Bridge Building Facility including inspection and construction support services. All equipment in the Telecommunication Room was relocated to a temporary trailer to avoid interruption to the electrical power service. Upon completion of the renovations all equipment was reinstalled. The phasing of this project was critical.

New York City Administration for Children's Services New Situation

Room/Command Center, New York, NY, Sr. Mechanical Engineer

Inspection and construction administration for the 2,000 sq.ft. 13th floor Situation Room/ Command Center. The renovation/conversion of this room is a priority project for ACS. The room is a special-use room that will be used for weekly meetings by 50 people and for executive management meetings. More importantly, this room will be used for agency press conferences and as the ACS command center during emergency situations. The situation room will incorporate a large room

with seating for 50, specialized A/V conferencing equipment, sound system equipment, security and CCTV, emergency backup systems for electrical and HVAC, an A/V control room, an IT server room, an electrical/mechanical room, storage, kitchenette and a small office. All the equipment was selected based on energy efficiency.

NYC DDC, Schomburg Center for Research in Black Culture, New York, NY, Sr. Mechanical Engineer

He was responsible for selecting the most energy efficient equipment for renovation of building involving complete electrical and mechanical services, HVAC, replacing old units and providing new units to accommodate stack rooms, archives and special collection rooms by controlling temperature and relative humidity, library including new chiller, 130 ton cooling tower, lighting, power, security, plumbing, and fire protection design. Fire protection services including reactive system for stack room and provide wet system in gallery.

GSA, Thurgood Marshall US Courthouse, New York, NY ,Sr. Mechanical Engineer

He was responsible for selecting the most energy efficient equipment of HVAC system replacement & upgrade, electrical power distribution/grounding system/lighting systems replacement and upgrade, emergency power system replacement and upgrade, telephone/data systems replacement and upgrade, building management system upgrade and expansion, domestic water/sanitary/storm water systems replacement, fire protection system upgrade and expansion, security screening and security system upgrades, and public restrooms modernization. This has a LEED Goal of Silver Certification.

Brandi Louise Napier

Inspector - Structural

Brandi L. Napier has over 13 years of experience in the geotechnical industry as well as ten years of experience in the coating industry. She is skilled in construction inspection, geology and soil engineering. Brandi's previous projects consist of new and replacement roadways, buildings, bridges and paint. As Inspector, She has provided services for clients such as the Ohio Department of Transportation (ODOT) and Tuscarawas County. Brandi speaks some Spanish, and her specialized computer software skills include GINT, HTML and SQL.

Ohio Department of Transportation (ODOT) Districts 4 and 12 Coatings Inspection, Stark, Summit, Portage, Mahoning, Cuyahoga, & Lake Counties, OH, Coatings Inspector

In 2013, Brandi performed paint inspection and general inspection on over $75 million of projects in Districts 4 and 12 including

- STA/SUM-BH-FY2013 in the Cities of Akron, Canton, & Massillon, Stark & Summit Counties, OH, Brandi performed paint inspection for the following bridges: US-30 over SR-21, IR-77 over NB IR-77 Ramp, IR-77 over SR-303, and SR-764 over IR-77.
- MAH-SR165-(17.29(19.24) in Beaver Township, Mahoning County, OH, Brandi performed paint inspection for the following bridges: SR-165 over SR-11 and SR-165 over Mill Creek.
- MAH-680-4.29 in the City of Youngstown, Mahoning County, OH, Brandi performed paint inspection for six structures which included IR-680 mailine structures and structures over IR-680.
- ATB-90-22.06 in the City of Conneaut, Ashtabula County, OH, Brandi performed paint inspection for the following bridges: IR-90 over South Ridge Rd., Furnace Rd., and Canadian-National RR, & Kefus Rd., Dorman Rd., SR-7, and Middle Rd. over IR-90.
- STA-30-16.46 in the City of Canton, Stark County, OH, Brandi performed paint inspection for the the improvements to various structures on US-30.
- D12-BH-FY2013 in Cuyahoga & Lake Counties, OH, Brandi performed paint inspection for the the improvements to various structures throughout District 12.

Education

MBA, Business Administration: Finance, Kent State University, 2008

BS, Geology, Kent State University, 2001

Certificate, Level 1 Coatings Inspection, KTA-Tator, Inc., 2001

Certificate, Radiation Safety and Use of Nuclear Gauges, Clines Technical Services, Inc., 2001

Certificate, Work Type 26, Structural Steel Painting Course, Ohio Department of Transportation, 2013

Certificate, Work Type 57, Sealing of Concrete Surfaces, Ohio Department of Transportation, 2013

Certificate, Confined Spaces, National Safety Compliance - OSHA Confined Spaces 1910.146 S, 2014

Registrations

NACE Coating Inspector Level I

ACI Concrete Field Testing Technician Grade I

Ohio Level 1 Aggregate Technician Certification

 # Years Technical Experience: 13

Ohio Department of Transportation (ODOT), District 11, Tuscarawas County Coating Projects, Coatings Inspector

Brandi worked on several segments of this project:

- **Fourth Street Bridge, Sharrodsville and Dover**, Brandi was the inspector for Fourth Street Bridge, a project that required removal of all lead-based paint in accordance with lead abatement requirements for ODOT and Occupational Safety and Health Administration (OSHA). She then inspected the preparation of the steel and application of the three-step ODOT OZEU paint system.
- **Country Road 82, Zoar,** Brandi was the inspector for Country Road (CR) 82 which required removal of all lead-based paint in accordance with lead abatement requirements for ODOT and Occupational Safety and Health Administration (OSHA). She then inspected the preparation of the steel and application of the three-step ODOT OZEU paint system.
- **County Road 1-1, Newcomerstown.** Brandi was the inspector for County Road (CR) 1-1, a project that required removal of all lead-based paint in accordance with lead abatement requirements for ODOT and Occupational Safety and Health Administration (OSHA). She then inspected the preparation of the steel and application of the three-step ODOT OZEU paint system.
- **Bolivar, OH**, Brandi inspected the full blast removal of the existing OZEU coating and replacement with the new ODOT OZEU three-coat paint system in accordance with ODOT specifications.

Kulbinder Singh, LEED AP

Inspector - Mechanical

Education:
MS Engineering, Computer Integrated Manufacturing, India, 1998

BS Mechanical, Electronics and Telecommunications, India, 1995

Technical College Diploma, Electronics and Communications, 1992

 # Years Technical Experience: 20

Kulbinder has over 20 years experience in the design and construction inspection of electrical and telecommunication systems. He specializes in the design of electrical lighting, security systems including CCTV, card access system, communications, public address system, LAN/WAN system and power distribution. He is also experienced in preparing cost estimates from schematic to 100% construction documents. Through constant vendor contacts, he is able to maintain current material pricing. He acts as a liaison with architects and engineers to obtain all necessary information to provide accurate cost estimates.

Construction Management Services, New Staten Island Courthouse, Staten Island, NY

Kulbinder is provided construction management and inspection services for a new 154,000 gross square feet Staten Island courthouse, which will house the surrogate, supreme criminal and supreme civil courthouse. Space includes 14 courtrooms and related parking. The courthouse will be constructed at St. George, Staten Island.

Thomas A. Edison Rehabilitation at Glenmont/Cottage and Barn, West Orange, NJ

Construction Management of the complete renovation of this Historical Landmark Building undertaken by Federal Government (National Parks Department). The work of this contract consisted of construction for the rehabilitation and repair of the Edison National Historic Site, Glenmont Unit, historic greenhouse, gardening and barn facilities. Major items include rehabilitation of the Greenhouse, installation of a new roof, parapet at the Gardener's Cottage, reinforcement of the Greenhouse walls, new doors and new mechanical/electrical systems. Additional works at Building 14 and Building 16 are ventilation, lighting, power, plumbing, sanitary and misc. electrical systems, general windows, and doors.

Thomas A. Edison Preservation of Historic Buildings & Collections Glenmont – HVAC & Fire Protection, West Orange, NJ

Construction management and complete supervision of General Contractor/Sub-contractor work. The work consists of HVAC systems and electrical system upgrade at the Glenmont Estate at Edison NHS. The scope of the work included the replacement of natural gas fired hot water boiler, the installation of a new vertical borehole type geothermal heat exchanger, water-to-water type geothermal heat pumps, new

modular air handling units with both chilled and hot water coils, a new direct digital automatic temperature control system, cleaning of existing low pressure ductwork, installation of external duct insulation on existing supply/return ductworks, new electrical service, and the installation of new branch circuit panels as required for the new HVAC system. In addition to the HVAC systems upgrade, the scope of work included a new automatic fire detection, alarm and dry pipe sprinkler system. Electrical work included new indoor/roadway lighting, power distribution, fire alarm system, security system and telecommunication system. Architectural/Civil components include removal, salvage and storage of historical items, excavation, exterior ground repairs, masonry repairs, rough and finish carpentry, repair of various architectural finishes including lath, plaster, ceramic tile and decorative painted finishes.

Ellis Island – Southside Stabilization and Infrastructure – Phase 3, Ellis Island, NY

Construction management services for the work of this contract consisting of general building stabilization, environmental clean-up and utility work at Ellis Island, a unit of Statue of Liberty Monument and Ellis Island. Ellis Island is a ca. 28-acre U-shaped island in New York Harbor comprised by what are referred to as Islands 1,2 and 3 with Islands 2 and 3 collectively referred to as Southside, the area in which the majority of this project occur.

Inspection Services for MTA Bus Company - New Roof and Ventilation System at La Guardia Bus Depot, NY

Kulbinder provided Construction Management & Inspection Services for the La Guardia Bus Depot, Jackson Heights, NY. The depot will remain operational while this work is performed. This project will replace an approximate 112,000 sq ft roof and a new ventilation system in the Main Building. The scope of the work includes removal of the existing roof to the concrete deck, disposal of all removed material, and installation of a new 112,000 sq ft roof with a minimum warranty of 20 years. A new bulkhead and staircase will be installed to allow safe access to the roof. Windows on the roof level will be replaced where applicable.

Ron Dasgupta, PE, LEED AP

Resident Engineer - Mechanical

Education:
MS, Nuclear Engineering, NYU Polytechinc

BME, Mechanical Engineering, Jadavpur University, Calcutta, India

Licenses and Certifications
NY State Professional Engineer, P.E. License #[redacted]

LEED Accredited Professional

 # Years Technical Experience: 40

Ron has over 40 years of experience in HVAC System Design, Engineering and Construction Support Services. He is experienced in Project Management of Steam & Hot Water Boilers, HVAC units, Chillers, exhaust fans and all other HVAC systems including climate controls and BMS. Ron has done various projects including projects for SCA, MTA and NYPA.

MTA- Corona Railway Maintenance Shop, NYC Subway Communication Rooms Air Conditioning

Worked as Task Manager for Mechanical systems in the Corona Maintenance shop. This new maintenance shop for the #7 subway cars was a design-build project and worked from proposal stage all the way to commissioning of the shop. He was responsible for all Mechanical, Plumbing/Fire Protection systems, BMS and fuel oil system design, engineering inspection and construction support. Mechanical, Plumbing/Fire Protection systems also included of dual fuel hot water boilers, VAV packaged air conditioning units, roof top HV units, exhaust fans, pumps, air curtains, unit heaters, above ground double wall fuel oil tanks, BMS etc. The shop was LEED certified. Also worked on communication rooms air conditioning located in different subway stations.

Columbia University, New York, NY

Worked as Lead Engineer for a 5000 ton chilled water plant in the basement of a new 14 story building comprising of electric centrifugal and heat recovery chillers with roof mounted cooling towers and also HV systems. Was responsible for design, engineering inspections and construction support services of the entire project.

NYC School Construction Authority , New York, NY

Worked as Project Manager (PM) & Deputy Project Manager (DPM) on different MEP/FP projects under SCA Capital Improvement Program. Projects included Plumbing, Sprinklers, Fire Standpipe systems. Also included were steam boilers replacement with all accessories, hot water boilers and chillers replacement with pumps and accessories, VAV and constant volume air handling units replacement, climate control system replacement, BMS etc. Provided scope report, design, engineering and construction support services along with NYC DOB approval.

US Corp of Engineers- Vehicle Maintenance Shops at Fort Drum, NY

Worked as Task Manager for two (2) new Vehicle Maintenance Shops with Mechanical, Plumbing/ Fire Protection systems and BMS. He was responsible for all Mechanical systems design engineering inspection and construction support. Mechanical systems also included gas fired high efficiency condensing hot water boilers, VAV packaged air conditioning units, roof top HV units, exhaust fans, pumps, air curtains, unit heaters, above ground double wall fuel oil tanks, under slab radiant heating system, BMS etc.

Richard S. Kruter, AIA

Resident Engineer - Mechanical

Education:
BS, Architecture, City College of New York, 1972

BS Arch, Architecture, City College, New York, 1973

Licenses:
Registered Architect:
NY #[redacted]

 # Years Technical Experience: 40

Richard is a professional architect (AIA – 1977) with forty years practical experience in the area of planning, designing with value and oversight of construction activities. He is involved in conceptual design to preparation of construction documents including coordination of various disciplines, constructability review, code compliance, land use, zoning and historic preservation as well as supervision of the Architectural Department. He has developed a means of handling simultaneous activities through careful organization, open communication with the team and the Authority, and by assembling crews of capable professionals to whom he can delegate ask order responsibility. Mr. Kruter is well known in the architectural and engineering industry in the tri-state area and is a member of various professional societies, and networks constantly with his professional associates. This keeps him up to date about the present and potential future condition of the industry. In the past, he interviewed and selected architects and CAD operators for his project group. He is resourceful, efficient, well organized with strong negotiation skills. He has excellent, written, verbal communication ability.

US Army Corps of Engineers, Military Academy at West Point, NY

Cost: $160 Million: Renovation of 260,000 sf Science Building in Bartlett Hall. As a senior project manager, he was responsible for coordinating with construction contractors of this wicks law project. He was responsible for the project is being built as per design drawings shown photo luminescent exit path, fire stop, draft stop and fire block system.

New York City School Construction Authority, PS 277, Brooklyn, NY

Cost: $6 Million. Renovation of this 34,000 sft project included construction of new kitchen and upgrading of mechanical, electrical, plumbing and fire protection systems. He was responsible for the architectural controlled inspection of alternative materials, fire rated construction, emergency lighting and final inspection.

New York City School Construction Authority, IS 2R

Cost: $4 Million. Structural concrete façade and frame repair and the exterior widow's replacement. Construction and inspection work was primarily focused on repair work of concrete caused by spalling. He was responsible for alternative materials fenestration rating for leakage, insulation placement of R valves etc.

Maintanence Facility, Battery Park City Authority Maintenance Facility

This is a four storied 45,000 square foot with 3 storied high storage area. The scope of work was removal and painting of the entire area, installation of vehicle repair equipment with lifts, wood shop and electric shop. He supervised the controlled inspection of removal of paints and new painting work. Also inspected fire stops, draft stops and fire block system for plumbing and electrical conduits.

NYS Dormitory Authority, College of Staten Island, NY

Worked on various renovation and repair work for this facility including, façade, classrooms, boys and girls comfort facilities, cafeteria, gymnasium etc. He was involved in controlled inspection of exit signs and paths, alternate materials, R valves, Emergency lighting and final inspection.

Andrew C. Belding

Assistant Project Manager

Andrew C. Belding has over 11 years of experience in the construction industry. His areas of expertise include project design, construction and management, analytical planning of urban and regional environments, emergency response and recovery, landscape architecture, estimating protocols, CADD operations and process efficiency. He is proficient at generating and managing design and construction concepts, managing project records and technical documentation, site analysis and master planning, and has the ability to present these practices verbally and graphically. Andrew is an expert in AutoCAD, Adobe Photoshop, Adobe Illustrator and Adobe InDesign, Revit Architecture, GIS, Sketchup.

New York City Department of Parks & Recreation, Street Tree Division Manhattan, NY,Resident Engineer

For a $2 Million Capital Project, Andrew managed a complex, urban streetscape restoration within the Manhattan borough. He ensured that contractors adhered to plans and specifications during all construction procedures. Andrew identified and resolved opportunities and constraints while in the field. He negotiated client and contractor change orders, interpreted construction documents; and identified architectural and engineering related issues. He generated daily and weekly construction project reports, and maintained accurate calculation books to prepare cost projections. Andrew reviewed, negotiated, and approved contractor's payment requisitions within the allocated time frame. In addition, he maintained accurate records for the client which served as guiding documents for disputes. Andrew also advised the Borough Directors regarding contractor's claims.

Port Authority of New York and New Jersey (PANYNJ) Call-In Estimating 2012-2015, Jersey City, NJ, Project Engineer

Andrew guided site analysis and planning efforts, modified and managed operations of various transit facilities. He collaborated on project execution in a multi-disciplinary atmosphere. His projects included:

- **Port Authority Trans-Hudson (PATH) Harrison Intermodal Transportation Hub, Harrison, NJ.** With an estimated Total Project Cost (TPC) of $250 million, and as part of the engineering team, Andrew organized the space to move pedestrians toward vertical circulation locations and provided a critical connection for PATH Rail service.

Education:
Master of Landscape Architecture, City College of New York, New York, NY, 2011

BS, Ornamental Horticulture, Environmental Design, Delaware Valley College, Doylestown, PA, 2007

Professional Memberships:
American Society of Landscape Architects (ASLA)

American Institute of Architects (AIA) Peconic

Awards/Honors:
Award of Honorary Study, Council of Educators in Landscape Architecture (CELA), 2011

Gold: Commercial Design Award, Long Island Nursery and Landscape Association, (LINLA), 2013

Publications:

"Site Information management", Urban Nature, CECA (2011)

"HOUSE", Design Showcase, House, (2012)

"HOUSE", Commercial Design, House, (2013)

 # Years Technical Experience: 11

- **John F. Kennedy International Airport (JFK), Queens, NY.** Andrew participated on the "Million Trees Initiative" and established appropriate tree locations within the landside and airside operations areas.
- **LaGuardia International Airport (LGA), Queens, NY.** Andrew worked with the New York City Parks Department and New York City Department of Transportation (NYCDOT) to establish a tree removal and replacement protocol. He was responsible for quantifying the tree basal area of existing trees within the landside and airside areas to determine their replacement value.

Edward J. Fox

Senior Project Manager

Edward J. Fox has more than 35 years of progressive experience in planning, engineering, construction and management of multiple capital improvement programs. His assignments have included land development, educational buildings, housing and commercial projects. Ed has contributed to a number of notable projects for the New York Metropolitan Transportation Authority as Project Manager and the Port Authority of New York and New Jersey (PANYNJ) as a Planner and Scheduler.

Port Authority of New York and New Jersey, World Trade Center Station Reconstruction, New York, NY

Hill is providing program management services in connection with the planning, design and construction of the new World Trade Center Transportation Hub, including the temporary PATH Terminal, the new permanent PATH Terminal, and four major interrelated office towers. Ed is responsible for management procedures and manuals, monthly progress reports, scheduling, and financial planning.

New York Metropolitan Transportation Authority (MTA), Project Management Oversight, New York, NY

Ed was a member of the Hill independent consultant oversight team for the MTA, which has reviewed and prepared reports on the progress of bus depots and maintenance facilities, including several design-build facilities. He was responsible for oversight of design and construction of three bus maintenance and garage facilities and a major subway terminal. In addition, he oversaw various structural projects for the New York City Transit Authority subway system, including the design of a new multi-modal facility at Coney Island, New York. In this capacity, Ed also performed a number of continuing reviews of contractor developed Primavera CPM schedules.

Prior Experience:

Dallas Area Rapid Transit System, (DART),Light Rail System, Dallas, TX

Ed compiled and prepared the project closeout documentation packages for DART's Light Rail System, including the Fare Collection, Signals and the Communications and Central Control contracts.

Education:
MS, City and Regional Planning, Rutgers University, 1970

BS, Civil Engineering, New Jersey Institute of Technology, 1964

Professional Memberships:
Chi Epsilon - Civil Engineering Honor Society

Awards/Honors:
James G. Hellmuth Unit Citation, PANYNJ 9/11 World Trade Center Loss Recovery Project

Publications:

Seminars:
"Project Management & CPM Seminars"

 # Years Technical Experience: 35

U.S. General Services Administration, United States Federal Courthouse, Brooklyn, NY

Ed was the Document Controls Engineer for this $200+ million project. The project included the separation of an existing courthouse and the asbestos abatement and demolition of a Federal Office Building on the site of the new construction. Also completed were a new, temporary entrance, a total change over to new electrical transformers, and construction of temporary parking in a city park to ensure the uninterrupted operation of the existing Brooklyn Federal Courthouse. He participated in the review of the project through the design and bidding phase. Ed also prepared the field office facilities and procedures for the start of the construction phase.

U.S. General Services Administration, Region 2, Indefinite Quantity Contract

Ed assisted with Contract Executive duties for the conclusion of the ongoing three year indefinite quantity contract. This work included contract administration during the construction phase of the latter task orders.

Confidential Surety Client, Multiple Individual Building Projects, NY, NJ, PA

Ed was the Project Manager for 42 individual building projects which included schools, hospitals and office buildings, spanned a three-year period; and had an aggregate construction value of $60 million. This work involved the analysis, evaluation and completion of projects in various stages of construction after the default of a contractor. Ed's responsibilities included preparation of necessary construction documents to re-let 12 projects, completion and close-out of another 30 projects, full contract administration of ongoing contracts to enable final completion, and periodic client reporting.

Matthew G. Honeywell, LEED GA

Office Engineer

Matthew G. Honeywell has more than three years of experience in the construction industry. His areas of expertise include construction management, quality assurance and quality control and administration. Matthew's projects have consisted of religious facilities, civil and judicial buildings, recreation and entertainment facilities and museums. He has contributed to a number of projects for the Dormitory Authority for the State of New York (DASNY) and the City University of New York (CUNY). Matthew speaks Spanish and specializes in On-Screen Takeoff, Microsoft Project, Prolog, Primavera Expedition, AutoCAD and Prolog computer software.

Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY

The Hill/LiRo/HDR Joint Venture is responsible for providing construction management services for the extension of the Number 7 Subway Line westward from Times Square under West 41st Street and southward along 11th Avenue to the southerly terminus at West 25th Street. The team will provide management and project control services for the tunneling work and during construction of the facilities and infrastructure transforming the Hudson Yards into vibrant 24-hour neighborhood containing a mix of commercial, residential, retail, and recreational uses.

The Dormitory Authority of the State of New York, Bronx County Hall of Justice, Bronx, New York, Intern

Hill was engaged to provide construction and program change management, change order processing and negotiation, construction inspection, project reporting, scheduling and delay analysis, claims analysis and support, and project closeout for an 11-story, 775,000-SF complex located on a 2.5-block site near the Grand Concourse. Matthew was brought on to conduct HVAC research and review, generate bid packages for sally port garage doors and monumental glass windows, and prepare meeting minutes and daily logs.

The City University of New York, Brooklyn College Performing Arts Center, Brooklyn, New York, Intern

Hill provided construction management services for a project involving the extension of a performing arts center. Serving the Music and Theater departments, the center consisted of a 64,000-SF addition to Whitman Hall, with a 200-seat flexible stage performance space having variable acoustics; rehearsal rooms for orchestra, choral, and theater; a state-of-

Education:
BS, Construction Science, Texas A&M University, 2011

Registrations:
LEED Green Associate

Professional Memberships:
Habitat for Humanity

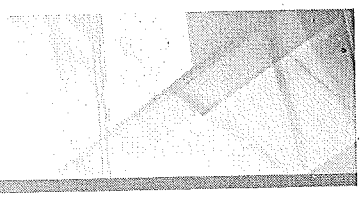
United States Green Building Council

Construction Management Association of America (CMAA)

Awards/Honors:
Dean's List, School of Architecture, Texas A&M University, Fall 2009 & Spring 2011

Freshman Academic Excellence Award, Texas A&M University

 # Years Technical Experience: 3



the-art recording studio; the Pima Center for Computer Music; music studios and practice rooms; and a scene shop. On behalf of Hill, Matthew conducted a constructability review and quantity takeoffs.

New York City Department of Design and Construction, Weeksville Heritage Center, Brooklyn, New York, Intern

Hill provided construction management services for a 23,000-SF facility dedicated to the preservation of African American history. Works included a multipurpose room/"black box" theater, exhibition and educational workshop space, a gift shop, a resource center/library, administrative offices, a conference room, and facility support system areas. On behalf of Hill, Matthew produced material and quantity takeoffs; participated in mechanical, electrical, and plumbing (MEP) coordination meetings; and prepared meeting minutes and daily logs. He was also responsible for performing quality control tasks and overseeing on-site inspectors.

New York City Department of Parks and Recreation, Union Square Pavilion and Playground, New York, New York, Intern

Hill managed $15 million of renovation work for a historic 1932 pavilion and playground at Union Square Park in Manhattan, one of the city's most well-known and widely used parks. Hill's management of the project was part of a larger indefinite quantity management contract with the Department of Parks and Recreation. Matthew was brought on to perform quantity takeoffs to verify in-place construction and process submittals and requests for information (RFIs).

Anthony M. Rinaldi

Office Engineer

Education:
BS, Landscape Architecture, Pennsylvania State University, State College, PA, 2008

Coursework, Landscape Architecture, Pennsylvania University in Rome, Lombardia, Italy, 2007

Years Technical Experience: 5

Anthony M. Rinaldi has five years of landscape design experience including residential, commercial, mixed-site and recreational projects. Providing design and budgeting services for his own firm as well as design-build firms, he has been responsible for hard and softscape projects, drafting and rendering, site planning, stormwater management, land conversion, and surveying.

Anthony's outdoor maintenance skills include grass, paving and light masonry. His background also includes golf course maintenance, septic tank design, onsite soil testing, and soil permeability responsibilities. Anthony's specialized computer software skills include AutoCAD, Adobe Photoshop, Illustrator, InDesign, Google SketchUp, ArcGIS, and Dynascape. He speaks working Italian.

Port Authority of New York and New Jersey (PANYNJ), Superstorm Sandy Long Term Recovery Operation and Call-In Estimating, New York and New Jersey, Inspector

In an emergency recovery effort of over $250 million, Greg coordinated with the Federal Emergency Management Agency (FEMA), and PANYNJ Office of Emergency Management (OEM). Hill provided site assessments and estimating services for civil, architectural, mechanical, plumbing, sanitary and electrical systems damaged by Superstorm Sandy for all New York and New Jersey Port Authority facilities. Anthony is providing inspection services for site assessments and of the damages to more than 10 Port Authority sites.

Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY, Inspector

The Hill/LiRo/HDR Joint Venture is responsible for providing construction management services for the extension of the Number 7 Subway Line westward from Times Square under West 41st Street and southward along 11th Avenue to the southerly terminus at West 25th Street. The team will provide management and project control services for the tunneling work and during construction of the facilities and infrastructure transforming the Hudson Yards into vibrant 24-hour neighborhood containing a mix of commercial, residential, retail, and recreational uses.

Prior Experience

Jacobsen Landscape Design, Midland Park, NJ, Designer and Sales
Anthony provided design and sales services for a design-build firm.

Landscape Design Projects, Self-employed Freelancer
Anthony provided design and budgeting services for residential hard and softscape projects.

Landscape Design Projects, Ridgewood, NJ, Project Manager
Anthony was responsible for design of residential and commercial landscape enhancements. He also provided oversight for construction of final project design onsite.

Landscape Design Projects, Huntington, NJ, Designer and Draftsman
Anthony designed and rendered residential and commercial landscapes. He also provided oversight for construction of final project design onsite and contributed to field work on project construction.

Landscape Design Projects, Gladstone, NJ, Design Intern
In addition to playing a significant role in drafting and rendering, Anthony worked hand-in-hand on projects including residential, commercial and mixed-use site planning, stormwater management, land conversion, and surveying.

North Jersey Country Club, Wayne, NJ, Greens and Groundskeeper
Anthony assisted in the maintenance of course landscape, contributed to daily golf course events and provided caddy services.

Engineering Projects, Totowa, NJ, Engineering Intern
Anthony honed his CAD skills on projects including residential and commercial site planning, septic tank design, onsite soil testing, soil permeability, and other drafting and rendering responsibilities.

Kurt Buettler

Office Engineer

Kurt Buettler is a Document Control Technician with extensive experience in all phases of the Systems Development Life Cycle in an IBM mainframe environment. He has also played an integral role in large scale development projects involving hundreds of programmers and analysts.

NJ Transit, Positive Train Control, Various Locations, New Jersey. New Jersey Transit (NJ Transit), Document Control Technician

Kurt is responsible for document control within SharePoint, Oracle® Primavera Contract Manager and ECMS. This project involves the installation of a positive train control system for all trains and tracks in New Jersey. This new system will control trains' speed across the entire rail system.

SEPTA Silverliner Railcar Procurement Contract, Philadelphia, PA. Southeastern Pennsylvania Transportation Authority (SEPTA), Document Control Technician

Kurt was responsible for creating custom reports in Oracle® Primavera Contract Management 14 using Oracle®'s BI Publisher so that SEPTA could migrate from Oracle® Primavera CM12 (InfoMaker) to Oracle® Primavera CM14. SEPTA procured 120 new railcars to begin replacing older models in their fleet.

CONRAIL Interline Settlements, Philadelphia, Pennsylvania. Consolidated Rail Corporation (CONRAIL), Document Control Technician

Kurt was involved in the installation, testing and implementation of a purchased software system to handle Interline Settlements. He was responsible for establishing change control procedures and problem management/reporting process and led the effort to set up four separate environments for unit testing, user acceptance/system testing, training, and production. Kurt resolved technical issues resulting from the conversion of IMS DB-DC code into Command Level CICS/DB2 and Cobol II/DB2 batch and participated in Functional and Technical Design of a large-scale project to replace the Waybill/ Revenue Management Systems that utilized a GUI front end to a CICS/DB2 back end. He designed a real-time CICS system to facilitate the exchange of scheduled trip plans for railcars with the Union Pacific Railroad. Kurt used the Arthur Anderson Foundation Method1/Design1 analysis and design tool for this project along with Gentran RTE for the EDI transactions. He was lead designer and programmer for a CICS based Material Management

Education
BS, Accounting, Drexel University, 1978; American Advanced Institute of Technology, SQL Training Program, 2013

Licenses and Certifications
Project Management Certified Data Processor (CDP)

 # Years Technical Experience
31

System and all nightly and weekend batch processes and managed a 70+ file TOTAL Database and a 10 file VSAM Database. This included file design, creation of the DBGEN and installation for the TOTAL files, and design, definition and installation for the VSAM database.

Marketing Communication Systems (MCS), Ivyland, PA, Project Manager

Kurt managed four analysts that supported the legacy (VSAM) fulfillment systems and supervised three analysts who developed and maintained a web-based leads generation system and a customer reporting system. He developed a COBOL2/CICS/DB2 system for maintaining the leads database. Kurt met with internal clients to gather functional specs for enhancements to each system under his control. He worked with the team to develop time and cost estimates based on the functional specs, tracked the projects for reporting to upper management and clients, and hosted weekly status meetings with the team.

Giorgi Khardzeishvilli, PE

Project Manager

Giorgi Khardzeishvilli has more than 18 years of special inspections, geotechnical engineering, construction management, and project management experience. His areas of expertise include concrete and rebar inspections, laboratory testing of construction materials, steel bolting and welding inspections, masonry inspections, fireproofing and firestopping inspections, deep and shallow foundation inspections, soil subgrade and fill placement inspections, foundation testing, non-destructive testing, fabrication facilities and plant inspections. He has extensive field, office supervision, and project management experience.

Education
MS, Geotechnical Engineering, Rutgers University

MS, Structural Engineering, Georgian Technical University

BS, Civil & Industrial Engineering, Georgian Technical University

Licenses and Certifications
Professional Engineer: NY, NJ, OH, PA, MD, and AL

 # Years Technical Experience
18

Subway 7 Line Construction – Site K Ventilation Building, MTA C-26511, Manhattan, NY, Special Inspector of the record

Giorgi oversaw construction inspection operations and personnel of the subway 7 line, Site K ventilation building construction on Manhattan, New York. The work included subgrade and fill placement inspections, collecting concrete and grout samples, laboratory testing of the collected materials, anchor/dowel installation observation and testing, rebar inspections, welding inspection, coordination with MTA and contractor, and reporting. Work also included Installation of noise, air, settlement, and vibration monitoring instruments, and subsequent monitoring and reporting.

Subway 7 Line Construction – Site L Access Shaft and Ventilation Building, MTA C-26504, Manhattan, NY, Special Inspector of the record

Giorgi oversaw construction inspection operations and personnel of the subway 7 line, Site L access shaft and ventilation building construction on Manhattan, New York. The work included collecting concrete and grout samples, laboratory testing of the collected materials, tie-back and toe-pin anchor installation observation and testing, welding inspection, coordination with MTA and contractor, and reporting.

55th Street ventilation facility – LIRR East Side Access Site, Manhattan, NY, Special Inspector of the record

Giorgi oversaw construction inspection operations and personnel of the subway LIRR East Side Access, 55th Street ventilation facility construction on Manhattan, New York. The work included concrete and rebar inspections, collecting concrete and grout samples, laboratory testing of the collected materials, tie-back anchor installation observation and

testing, welding inspection, bolting inspections, soil compaction inspections, coordination with MTA and contractor, and reporting.

Pelham Line Stations – MTA NYCT, Bronx, NY, Special Inspector of the record

Giorgi oversaw construction inspection operations and personnel. The work included concrete and rebar inspections, collecting concrete and grout samples, laboratory testing of the collected materials, welding inspection, and bolting inspections.

East Side Access, Manhattan, NY, Construction Engineer

Giorgi was responsible for construction of slurry wall for tunnel boring machine launching pit in Sunnyside rail yards, Queens. Work included coring through the slurry wall and rock, conducting packer tests, and rock and interface pressure grouting. Responsibilities included development of subsurface profiles, creation and maintenance of master data spreadsheet, review of daily reports, interpreting the test packer results, providing geotechnical recommendations, and reporting to MTA.

Manish Patel

Inspector - Civil

Manish Patel has more than 22 years professional experience in the Civil & Structural construction field. During the career he worked with different clients, EPC Contractors, Proprietor in manufacturing, construction works, and with Consultants. Manish has a vast experience for the Project Management, Execution, Construction, Planning, Establishment and set out of the Project with key skill of the Project Coordination with heading Construction Operations in Civil & Structural steel works from pre engineering to handing over. Manish has proven skills in managing team to work in synchronization with corporate set parameters & motivating them for achieving business & individual goals. He has developed QA / QC standards as per contract document at project sites.

NYCEDC, Green Infrastructure, Newton Creek, NY, Engineer

Manish is responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of soil boring test, Permeability test at Brooklyn, NY.

Replacement of bridge EH-1, Atlantic City, NJ, Engineer

Manish is responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of soil boring test, soil sampling, soil classification, Installation of observation well at Atlantic city, NJ.

55, Street Ventilation Facility, New York, NY, Engineer

Manish is responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of tunnel for Concrete, shot Crete and Rebar, 55 street, Park, Avenue, NY.

MTA Pelham Line, Bronx, NY, Project Engineer.

Manish is responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of Concrete and Rebar, 55 street, Park, Avenue, NY.

Education

BS, Civil Engineering, Sardar Patel University, India, 1991

Licenses and Certifications

ACI Concrete Field Testing Technician Grade

ACI Concrete Construction Special Inspector

NJSAT Asphalt Paving Construction Technologist

OSHA 10 Hour Construction Safety and Health Training

Nuclear Gauge Safety Certification

Hazmat Certification

ICC Structural Steel Bolting Inspector

 # Years Technical Experience

22

Rockaway Boardwalks, Queens, NY, Engineer

Manish was responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of Pile driving analysis, Pile integrate test, Rockaway Board walks, NY

Massapequa Park Track Replacement, NY, Engineer

Manish was responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of concrete & rebar inspection, anchor installation, testing anchor for pull test and torque test, for Massapequa park station, NY.

66th- 73rd Concrete/ Rebar Inspection, New York, NY, Engineer

Manish was responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of buildings being constructed to include concrete, rebar, soil, etc. for different projects at New York & New Jersey.

Maulik Patel, E.I.T.

Inspector - Civil

Maulik Patel has more than four years of inspection experience working as a civil engineer for various consultants in The United States and abroad. His civil engineering experience includes concrete inspection, masonry inspection, soil compaction inspection, and rebar inspections.

MTA - 86th Street, New York, NY, ACI Concrete Special Inspector

Maulik inspected placement of concrete; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Collected concrete sample for compressive strength testing. Prepared the daily field inspection reports.

DSNY – New Sound Wall Construction, Brooklyn, NY, Inspector

Maulik was the soil fill placement inspector, responsible for verifying soil density and moisture content using nuclear density meter. ACI Concrete Special Inspector, inspected placement of concrete; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Collected concrete sample for compressive strength testing. Prepared the daily field inspection reports.

Chatham High School, Chatham, NJ, ACI Concrete Construction Inspector

Maulik inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at batch plant verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using sand cone and electrical density gage. Performed fire stopping, masonry, and structural steel inspections. Collected mortar/grout/ concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

Piscataway Township, Piscataway, NJ, Engineer

Maulik was responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of concrete for Fire Safety Building in township building in Piscataway, NJ.

Terminal Building, Port Authority, NY-NJ, Engineer

Maulik was responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality

Education
Associate Degree, Civil Engineering, Technical Education Board, 2010

Licenses and Certifications
ACI Concrete Field Testing Technician Grade I

OSHA 10 Hour Construction Safety and Health Training

Nuclear Gauge Safety Certificate

Nuclear Gauge Hazmat Certificate

 # Years Technical Experience
4

assurance plan requirements. Conducted inspections of concrete and checked compaction of soil borings with TROXLER 3440 in port authority NJ.

Pulte Homes, North Bergen, NJ, Engineer

Maulik was responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of buildings being constructed to include concrete, rebar, soil, etc. for different projects at North Bergen.

Construction Management Dom Apartments, New Brunswick, NJ, ACI Concrete Construction Inspector

Maulik inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using sand cone and electrical density gage. Performed fire stopping, masonry, and structural steel (High Strength Bolts and Welding) inspections. Collected mortar/grout/concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

Nancy Oliver

Inspector - Civil

Education
BS, Civil Engineering, New Jersey Institute of Technology

Licenses and Certifications
OSHA 10 Hour Construction Safety and Health Training 2010;

OSHA 40 Hr. HazWoper training;

ACI Level 1 Concrete Testing Technician;

NYSDEC 4 Hr. Soil Erosion & Sediment Control Inspections;

NYCDOB 4-hour Scaffold Training

 # Years Technical Experience
5

Nancy Oliver has several years of demonstrated experience working as an Environmental Engineer performing acoustical, geotechnical, and environmental instrumentation, slope stability analysis, and CADD services.

MTA 2nd Avenue Subway, 72nd Street Station Cavern Project, New York, NY, Environmental Coordinator

This project included the extension of shafts to previously bored tunnels, construction of caverns for the station, and relocation and temporary support of utilities. Nancy assisted in environmental monitoring and inspection of special equipment. She performed environmental site inspections and consulted the client with recommendations or suggestions. She performed data collection for air and noise baseline monitoring, performed community air and noise monitoring during construction, downloaded data directly from equipment as well as remotely through computer software, reviewed data, developed weekly and monthly reports, identified potential sources/causes of exceedances and suggested corrective actions, calibrated equipment on a regular basis, and provided troubleshooting as needed. Nancy assisted in the preparation and distribution of environmental awareness training refreshers for on-site personnel. She received vector specialist recommendations and informed vector specialist of requests from contractor, noted frequency of site inspections and brought deficiencies in vector inspection to the attention of the contractor for correction. She conducted regular water sampling for laboratory testing to determine compliance with site specific groundwater discharge permits requirements, assisted in analysis of results, and prepared summary reports. Nancy assisted in the execution of the Soil and Groundwater Sampling and Analysis Plan (SAGSAP), collected on-site soil samples, and provided laboratory data to the contractor to determine the appropriate method of disposal for the material. She assisted in the preparation of the Community Air Monitoring Plan (CAMP), Noise Control Monitoring and Mitigation Plan (NCMMP), Pollution Prevention Plan (PPP), Material Handling Pan (MHP), and Waste Management Plan (WMP) and provided CADD related services.

Belt Parkway over Fresh Creek Basin and Rockaway Bridge, Brooklyn, NY, Geotechnical Engineer

Under supervision of the Project Manager, Nancy worked as a Geotechnical Engineer for the Belt Parkway project, which included

replacing a cloverleaf interchange with a diamond interchange and widening the roadway. She downloaded vibration data remotely via computer software and prepared daily and weekly monitoring reports, collected soil samples from borings, prepared boring logs, and classified soil according to Burmeister Soil Classification System. Geotechnical work included slope stability analysis and CADD.

MTA Subway 7-line Extension, Site "K", New York, NY, Environmental Engineer

Nancy supported the Project Manager with environmental monitoring and inspection of special equipment. She performed data collection for air and noise baseline monitoring and assisted in preparation of Baseline Monitoring Reports, assisted in preparation of Community Air Monitoring Plan (CAMP), Pollution Prevention Plan (PPP), Dust Control Plan (DCP), Soil and Groundwater Sampling and Analysis Plan (SAGSAP), and Spoils Management and Disposal Plan (SMDP). She also provided CADD services in preparation of Air, Noise, and Vibration Monitoring Location Plans, and assisted in execution of the Soil and Groundwater Sampling and Analysis Plan through on-site soil sampling and the analysis of laboratory data. She performed batch plant inspection to determine that concrete load mix complied with specification requirements prior to dispatching to the project site.

Rati Mandzulashvili, EIT

Inspector - Civil

Education:
BS, Civil Engineering,
Rutgers University, 2012

Licenses and Certifications:
Engineer-In-Training

OSHA 10-hr
Construction Safety

MTA-LIRR Track Training

MTA-NYCT Track Training

AMTRAK Track Training

ICC Soils Special Inspector

Portable Nuclear Gauge
Safety Certification

 # Years Technical Experience
4

Rati Mandzulashvili has more than four years of experience working on several projects providing construction inspection and subsurface investigation that includes oversee of borings, borehole permeability tests, conducted slump test, air entrainment, and collection of concrete cylinders and mortar cubes. Installation of geotechnical instruments and installation of monitoring wells. Rati has performed variety of duties in site engineering department in addition to AutoCAD drafting, percolation tests, verify site conditions, drainage. In addition, he has some experience with subcontractor supervision, utility surveys, report preparation, and project administration. Rati has prepared boring logs in gINT and prepared templates and subsurface profiles.

Massapequa Park Viaduct, Massapequa Park, NY, Inspector

Rati was responsible for overseeing installation and testing of permanent anchor inserts for direct fix rail fasteners. Work includes epoxy installation inspection, anchor pull-out testing with hydraulic jack, anchor torque testing, and rail fastener torque verification. Conducted slump test, air entrainment, collected concrete cylinders. Other responsibilities include quality assurance for inspection team members.

MTA/ESA/LIRR Harold Structure, Queens, NY, Inspector

Rati inspected placement of concrete; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using nuclear density gauge. Collected concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

MTA - five stations renewal, Bronx, NY, Special Inspector

Rati performed construction special inspections to check rebar, form work, and concrete placement (including slump, air content, and temperature and prepared cylinders). Conducted steel inspection to verify their compliance with project specification. Prepared the daily and monthly field inspection reports.

New York City Economic Development Corporation - Newtown Creek Green Infrastructure Bioswales – Yellow Area, Field Investigator

Rati was responsible for onsite field investigation for this project that involved drilling approximately 600 borings for construction of Right of Way Bioswales (ROWB), Stormwater Green Streets (SGS), and other

stormwater management practices throughout combined sewer areas citywide. Additional responsibilities include assisting in generation of data tables, reviewing of data, review sanborn maps, and report preparation. Geotechnical work includes performing subsurface investigations; inspecting subsurface soil investigation; oversee drilling and soil sampling, and permeability tests. Samples were analyzed in both USCS and modified Burmister system.

New Jersey Turnpike Authority, Interchange 14A Improvements, NJ, Geotechnical Engineer

Rati was involved in oversight of the field exploration program which included trial pits, drilling, and logging the borings. Approximately 100 borings were completed. Performed subsurface investigation to characterize subsurface soil and rock for geotechnical and environmental evaluations; collected soil samples and rock cores; classified soils according to the Burmister soil classification system; prepared field boring log; created subsurface profile using gINT software for foundation design; and assisted the project supervisor in preliminary design of retaining wall structure.

Sarjit Shah

Office Engineer

Sarjit Shah has two years of engineering experience working as a civil engineer for other consultants. His civil engineering experience includes concrete, rebar, masonry, steel field inspections, estimating and designing. He has excellent skills in AutoCAD.

MTA - 86th Street, New York, NY, ACI Concrete Special Inspector

Sarjit inspected placement of concrete; performed concrete in-situ tests during concrete placement at site, collected concrete sample for laboratory compressive strength testing. Prepared the daily field inspection reports.

MTA/ESA/LIRR - Ventilation Shaft Building at East 55street, New York, NY, ACI Concrete Construction Special Inspector

Sarjit inspected placement of concrete and rebar; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Prepared the daily and monthly field inspection reports.

Temple University, Philadelphia, PA, Undergraduate Research

As an undergraduate, Sarjit conducted estimating and costing lectures, seminars and laboratory experiments. Performed different laboratory experiments on soil including determining water content, specific gravity, grain size analysis, compaction, settlement, and shear strength.

M. V. Shah & Co. Anand, India, Civil Engineer

As Civil Engineer, Sarjit monitored construction site activities and managed with distributor and supplier for cost and quality of construction material. Assembled, edited design on 2-D AutoCAD 2009, and submitted the daily project activities report to clients.

Education:
BS, Civil Engineering, Temple University, 2012

Diploma in Civil Engineering MIT College, Pune, India 2009

Licenses and Certifications:
ACI Concrete Field Testing Technician Grade I

OSHA 10 Hour Construction Safety and Health Training

 # Years Technical Experience
2

Terence Hampton, EIT

Inspector - Civil

Education:
BS, Civil Engineering,
Rutgers University

Licenses and Certifications:
Engineer In Training:
New Jersey

ACI Concrete Field Testing Technician Grade I

ACI Concrete Construction Special Inspector

OSHA 10-hr
Construction Safety

 # Years Technical Experience
5

Terence Hampton is a Senior Staff Engineer with 5 years of experience in Civil Engineering projects. His experience includes concrete and rebar, soil and ground water sampling, analyses and evaluation, subsurface investigation, as well as bidding and estimating. He has provided Quality Assurance oversight in both public and private projects and has experience with environmental compliance in the construction/demolition industry. While a laboratory technician for Rutgers University, he worked on several high profile projects including asphalt recipe testing for JFK Airport and The White House; foundation masonry tests for 1 World Trade Center; and on-site concrete testing for a new water filtration facility at Bronx, New York.

MTA/ESA/LIRR Harold Structure, Queens, NY

Terence performed construction special inspections to check rebar, form work, and concrete placement (including slump, air content, and temperature and prepared cylinders. Prepared the daily and monthly field inspection reports.

MTA 86th Street and 2nd Ave. Subway project, New York, NY, NY, ACI Concrete Construction Special Inspector

Terence inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Collected concrete sample for compressive strength testing. Prepared the daily field inspection reports.

MTA Pelham Line – Five Stations, Field Inspector

Terence was a field inspector for MTA Pelham line five stations project. His responsibilities include concrete field concrete testing; rebar inspection, and preparation of reports for Castle Hill and Middle Town station.

MTA 55th Street Ventilation Facility, New York, NY, Concrete Field Tester

Terence has performed concrete field tests, where he checked concrete air content, density, temperature, and slump. He prepared daily field reports, under direct supervision of project professional engineer and ACI level II certified.

New York City Department of Design and Construction - Newtown Creek Green Infrastructure Bioswales – Yellow Area, Field Investigator

Terence was responsible for onsite field investigation for the geotechnical project work to develop subsurface information for construction of Right of Way Bioswales (ROWB) and Stormwater Greenstreets (SGS) in Brooklyn, New York. Geotechnical work included performing subsurface investigation for soil characterization and permeability tests.

Long Island Railroad - Massapequa Park Viaduct ,Inspector

Terence was an inspector overseeing installation and testing of permanent anchor inserts for direct fix rail fasteners, which involves epoxy installation inspection, anchor pull-out testing with hydraulic jack, anchor torque testing, and rail fastener torque verification. Also conducted Quality Assurance for inspection team.

Vikas Patel, EIT

Inspector - Structural

Vikas Patel has over four years of engineering experience working as a civil engineer for Distinct Engineering Solutions, Inc., and with other consultants. His civil engineering experience includes concrete, rebar, masonry, firestop, soil compaction, asphalt and steel field inspections, and geotechnical instrumentation as well as bidding, estimating and designing. He has excellent skills in AutoCAD 2009, STAAD Pro 2007, ArcGIS and SAP 2000.

MTA/ESA/LIRR Harold Structure, Queens, NY, ACI Concrete Construction Special Inspector

Vikas inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using sand cone/ electrical density gage/nuclear density gauge. Collected concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

MTA - Five Stations Renewal, Bronx, NY

Performed construction special inspections to check rebar, form work, and concrete placement (including slump, air content, and temperature and prepared cylinders). Conducted steel inspection to verify their compliance with project specification. Prepared the daily and monthly field inspection reports.

MTA - 86th Street, New York, NY, ACI Concrete Construction Special Inspector

Vikas inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Collected mortar/grout/concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

MTA/ESA/LIRR - Ventilation Shaft Building at East 55street, New York, NY, ACI Concrete Construction Special Inspector

Vikas inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using sand cone and electrical density gage. Performed firestopping, masonry, and structural steel (High Strength Bolts and Welding) inspections. Collected

Education:
MS, Structural and Geotechnical Engineering, Cleveland State University, 2010
BS, Civil Engineering, Gujarat University, 2007

Licenses and Certifications:
ACI Concrete Construction Special Inspector
ACI Concrete Field Testing Technician Grade I
ACI Concrete Construction Technology certificate
ICC Structural Steel and Bolting Special Inspector
ICC Structural Masonry Special Inspector
ICC Fireproofing Inspector
HILTI FireStopping Training
OSHA 10 Hour Construction Safety and Health Training
Work Zone Traffic Control Supervisor by Ohio Contractors Association
MTA NYC Transit Track Safety Certification
Amtrak Safety Training
LIRR Track Safety Certification
NICET Level I – Asphalt, Highway Construction
NICET Level II – Concrete, Soil
NYS DEC – Erosion and Sedimentation Control Training
NJSAT – Asphalt Paving Construction Technologist
Rutgers' Traffic Control Coordinator Certificate
AWS – Certified Associate Welding Inspector
NJDOB – Special Inspector for Concrete Placement, Reinforced Concrete Structural Masonry

 # Years Technical Experience
5

mortar/grout/concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

MTACC, # 7 Line Extension Site K, New York, NY, ACI Concrete Construction Special Inspector

As an ACI Concrete Construction Special Inspector, inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at batch plant verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using sand cone and electrical density gage. Performed firestopping, masonry, and structural steel inspections. Collected mortar/grout/concrete sample for compressive strength testing. Prepared the daily and monthly field inspection reports.

MTACC, # 7 Line Extension Site L, New York, NY, ACI Concrete Construction Special Inspector

As an ACI Concrete Field Inspector, performed slump, air content, unit weight and temperature tests to ensure the concrete were adequate, reliable and within required contract specification. Performed rebar and concrete placement inspection to verify their compliance with project specification. Collected mortar/grout/concrete sample for compressive strength testing. Prepared daily and monthly field inspection reports.

Yazan Yanes

Inspector - Structural

Education:
BS, Civil Engineering,
Damacus University, 2011

Licenses and Certifications:
ACI – Concrete Field testing Technician – Grade 1

ICC – Structural Steel and Bolting Special Inspector

OSHA 10 Hour Construction Safety and Health Training

 # Years Technical Experience:
3

Yazan Yanes has over three years of engineering experience working as a civil engineer for Distinct Engineering Solutions, Inc., and with other consultants. His civil engineering experience includes reinforced concrete designing and constructing, estimating, quality assurance and quality control. He has excellent skills in AutoCAD, ETABS and SAP 2000.

Diafat Al Hussein Hotel, Karbala, Iraq

Yazan performs structural design and analysis calculations using governing codes and standards, engineering formulas, skills, and experience. Provide drawing for own designs and produce sketches. Research design options and document findings for project lead engineer. Develop probable construction cost estimates. Coordinate work with other disciplines such as architectural, mechanical, and electrical.

Diafat Al Mahdi Hotel, Karbala, Iraq

Yazan performed structural design and analysis calculations using governing codes and standards, engineering formulas, skills, and experience. Provide drawing for own designs and produce sketches. Research design options and document findings for project lead engineer.

Residential Villa, Yaafour, Damascus countryside, Syria

Yazan was responsible for the supervision of day to day operations of the site work. Follow up with site engineers of Contractor and/or subcontractor to ensure that work is being carried out as per design drawings, specifications and meeting planned dates in schedule. Ensure construction QA/QC processes are being implemented by the contractor and sub-Contractors. Conducting regular job site inspections. Actively monitor the work environment for hazards. Assist in necessary project documentation.

Residential Villa, Droshah, Damascus countryside, Syria

Yazan was responsible for the supervision of day to day operations of the site work. Follow up with site engineers of Contractor and/or subcontractor to ensure that work is being carried out as per design drawings, specifications and meeting planned dates in schedule. Ensure construction QA/QC processes are being implemented by the contractor and sub-Contractors. Conducting regular job site inspections. Actively monitor the work environment for hazards. Assist in necessary project documentation.

William Castaneda

Inspector - Structural

William Castaneda has more than nine years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights William's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

International Code Council (ICC):Structural Masonry Special Inspector, Issued: 12/29/09

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers			✓
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys			
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials			
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	Site Storm Drainage Disposal & Detention Facilities			
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			✓
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density			
SMCO	Soils Investigations			
SMCO	Pile Foundations & Drilled Pier Installation			
SMCO	Pier Foundations			
SMCO	Underpinning			
SMCO	Structural Safety - Stability & Mechanical Demolition			
SMCO	Seismic Isolation Systems			

Nikhil Chintanippu

Inspector - Structural

Nikhil Chintanippu has more than nine years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Nikhil's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

Masters, Civil Engineering, CCNY

BS, Civil Engineering, NIT, Silchar India

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

International Code Council (ICC): Structural Masonry Special Inspector

4-Hour User Scaffold Safety Training

10-Hour OSHA

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers		✓	
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys		✓	
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials		✓	
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)			
FPS & FRC	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
PMS	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician			
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	BC 1704.4 - Prestressed Concrete		✓	
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction		✓	
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations		✓	
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation		✓	
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			
SMCO	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			
SMCO	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			

Wilmar Giraldo-Jaramillo

Inspector - Structural

Wilmar Giraldo-Jaramillo has more than seven years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute and a Structural Steel and Bolting Special Inspector by the International Code Council.

The attached table highlights Wilmar's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

International Code Council (ICC): Structural Steel and Bolting Special Inspector

Structural Masonry Special Inspector

4-Hour User Scaffold Safety Training

10-Hour OSHA Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers			✓
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys			
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials			
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	Site Storm Drainage Disposal & Detention Facilities			
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			✓
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density			
SMCO	Soils Investigations			
SMCO	Pile Foundations & Drilled Pier Installation			
SMCO	Pier Foundations			
SMCO	Underpinning			
SMCO	Structural Safety - Stability & Mechanical Demolition			
SMCO	Seismic Isolation Systems			

Danilo Guilas

Inspector - Structural

Danilo Guilas has more than seven years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Danilo's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

BS, Civil Engineering

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

International Code Council (ICC): Structural Masonry Special Inspector

4-Hour User Scaffold Safety Training

10-Hour OSHA Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers		✓	
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys		✓	
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials		✓	
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	Site Storm Drainage Disposal & Detention Facilities		✓	
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO'	Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density		✓	
SMCO	Soils Investigations		✓	
SMCO	Pile Foundations & Drilled Pier Installation		✓	
SMCO	Pier Foundations		✓	
SMCO	Underpinning		✓	
SMCO	Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	Seismic Isolation Systems		✓	

Ho Won Kim

Inspector - Structural

Ho Won Kim has more than nine years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as an International Code Council (ICC) Structural Steel & Bolting Special Inspector

The attached table highlights How Won's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

International Code Council (ICC):Structural Steel & Bolting Special Inspector

Structural Welding Special Inspector

American Welding Society (AWS):Certified Welding Inspector, CWI #: [redacted]

4-Hour User Scaffold Safety Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)			
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum		✓	
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			✓
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			✓
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)			
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations			
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

Michael Neil

Inspector - Structural

Michael Neil has more than 14 years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Michael's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

BS, Civil Engineering

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

International Code Council (ICC):Spray-Applied Fireproofing Special Inspector

Structural Masonry Special Inspector

National Institute for Certification for Engineering Technologies

CMT Soil Level II

CMT Asphalt Level II

CMT Concrete Level II

4-Hour User Scaffold Safety Training

10-Hour OSHA Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers		✓	
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys		✓	
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials		✓	
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	Site Storm Drainage Disposal & Detention Facilities		✓	
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry		✓	
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density		✓	
SMCO	Soils Investigations		✓	
SMCO	Pile Foundations & Drilled Pier Installation		✓	
SMCO	Pier Foundations		✓	
SMCO	Underpinning		✓	
SMCO	Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	Seismic Isolation Systems		✓	

Olusola "Shola" Olatunbosun

Inspector - Structural

Olusola "Shola" Olatunbosun has more than 13 years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Shola's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

National Institute for Certification for Engineering Technologies

CMT Soil Level II

CMT Asphalt Level II

CMT Concrete Level II

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers			✓
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys			
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials			
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	Site Storm Drainage Disposal & Detention Facilities			
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician			✓
SMCO	Prestressed Concrete			
SMCO	Masonry			
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density			
SMCO	Soils Investigations			
SMCO	Pile Foundations & Drilled Pier Installation			
SMCO	Pier Foundations			
SMCO	Underpinning			
SMCO	Structural Safety - Stability & Mechanical Demolition			
SMCO	Seismic Isolation Systems			

Mark Pantke

Inspector - Structural

Mark Pantke has more than 13 years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Mark's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

BS, Meteorology

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Construction Special Inspector

Concrete Lab Testing Tech Grade I & II

Aggregate Field Testing Technician

Aggregate Lab Testing Technician

MTA Track Safety Trained – 09/19/13

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			✓
SMCO	BC 1704.7.4 - Soils Investigations			✓
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

Sanjaya Parajuli

Inspector - Structural

Sanjaya Parajuli has more than nine years of experience providing special inspection services on a variety of projects in New York. Sanjaya is trained and certified as an International Code Council (ICC) Structural Steel & Bolting Special Inspector

The attached table highlights Sanjaya's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

BS, Mechanical Engineering

International Code Council (ICC): Structural Steel & Bolting Special Inspector

Structural Welding Special Inspector

American Welding Society (AWS): Certified Welding Inspector

American Society for Nondestructive Testing

ACCP NDT Level III in UT, RT, MT, PT, VT

4-Hour User Scaffold Safety Training

GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems		✓	
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities		✓	
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum		✓	
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			✓
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			✓
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)			
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations			
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

Stanford Pereira

Inspector - Structural

Stanford Pereira has more than 10 years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Stanford's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

BS, Civil Engineering

American Concrete Institute (ACI) Concrete Field Testing Technician Grade I

Concrete Construction Special Inspector

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers		✓	
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys		✓	
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials		✓	
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	Site Storm Drainage Disposal & Detention Facilities		✓	
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density		✓	
SMCO	Soils Investigations		✓	
SMCO	Pile Foundations & Drilled Pier Installation		✓	
SMCO	Pier Foundations		✓	
SMCO	Underpinning		✓	
SMCO	Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	Seismic Isolation Systems		✓	

Mircea Petrescu

Inspector - Structural

Mircea Petrescu has more than 14 years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute.

The attached table highlights Mircea's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

MS, Structural Engineering

American Concrete Institute (ACI): Concrete Field Testing Technician Grade I

Concrete Construction Special Inspector

National Institute for Certification for Engineering Technologies

CMT Soil Level II

CMT Asphalt Level II

CMT Concrete Level II

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers		✓	
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys		✓	
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials		✓	
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities		✓	
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density		✓	
SMCO	BC 1704.7.4 - Soils Investigations		✓	
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation		✓	
SMCO	BC 1704.9 - Pier Foundations		✓	
SMCO	BC 1704.9.1 - Underpinning		✓	
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	BC 1707.8 - Seismic Isolation Systems		✓	

Daniel Ridulfo

Inspector - Structural

Daniel Ridulfo has more than eight years of experience providing special inspection services on a variety of projects in New York. He is trained and certified as a Concrete Construction Special Inspector by the American Concrete Institute. His projects have included soil and concrete field inspections at the World Trade Center Transportation Hub, soil field inspections for the Croton Waste Water Treatment Plant, soil and concrete field inspections for the Gunhill Road Bus Depot and Soil and Concrete Field Inspections for the New York City School Construction Authority in five boroughs.

The attached table highlights Daniel's experience with General Building Construction, Fire Protection Systems and Fire-Resistant Construction, Plumbing and Mechanical Systems as well as Structural Materals and Construction Operations.

Education/Training/ Certifications:

American Concrete Institute Concrete Construction Special Inspector

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

Q/C Resource Nuclear Safety Training

NETTCP Soil and Aggregate Certificate

Certified by Municipal Testing Laboratory as an NDT Technician ASNT Level II in Concrete Construction and General Construction

Soils and aggregate testing and inspections

Soil density testing using nuclear method and sand cone method

International Code Council (ICC):

Structural Masonry Special Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)			
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry		✓	
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			✓
SMCO	BC 1704.7.4 - Soils Investigations			✓
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

Constructability Review Resumes

James R. Grundhoffer, PE, CPC, CCM

Lead Engineer - Civil

James R. Grundhoffer, PE, CPC, CCM, has more than 33 years of experience in project and construction management for wastewater treatment plants, educational and cultural facilities, courthouses, post offices, transits, highways and highway management systems, jet engine test facilities and nuclear facilities and materials. Jim has served in capacities ranging from project executive to inspector on projects ranging from $10 million to $15 billion directly managing construction projects and activities, inspecting work during placement, overseeing materials testing and coordinating with owners, designers, tenants and public agencies. Jim has effectively managed programs in continuously high-profile and high-pressure environments.

Port Authority of New York and New Jersey (PANYNJ), Cost Assessment of Holland Tunnel Visual Assessment, Various, NY

Hill is providing the Port Authority with estimating services to evaluate the reconstruction and replace "in-kind" costs for specific areas of the tunnel damaged by Hurricane Sandy. The estimates are used to secure FEMA funding for all the facilities. The damages, valued at more than $100 Million include office buildings, pump rooms, site utilities, and support facilities. For this infrastructure assessment project, Jim led a team of engineers to inspect the ventilation and exhaust ducts. The purpose of the condition assessment was to determine the extent of damage caused by saltwater inundation from Superstorm Sandy. Locations and the extent of cracks and spalling of concrete were identified and documented. The condition of the exhaust duct brackets was also evaluated. Repair recommendations were developed and described in the assessment report. Latent damages were also identified. Jim worked closely with the cost estimating team to develop an order of magnitude estimate for the repairs.

State of Connecticut, Department of Construction Services (DCS), Western Connecticut State University (WCSU) Visual and Performing Arts Center, Danbury, CT

Hill is currently serving as the Owner's Representative for all on-site activity representing the DCS and the WCSU to manage the project and assure contract compliance by the Construction Manager-at-Risk. The 134,000 SF Center has an estimated cost of $75 million under a CM-at-Risk contract. Jim performs or oversees all on-site records management, schedule review and comment and coordination between all project team members. Hill also provides materials testing/inspections, third party'structural inspections and sign-offs and commissioning/LEED monitoring and follow-up for the owner utilizing consultants under contract to Hill. Jim also reviews all change order

Education:
BS, Civil Engineering, University of New Haven, CT, 1995

Certificate, 4 Hour User/ Erector Supported Frame Scaffold Safety Training, Total Safety Consulting, New York, 2006

Certificate, OSHA 510, Construction Industry, UMDNJ, School of Public Health, 2009

Registrations:
Superintendent of Construction, New York City

Professional Engineer, New York

Professional Engineer, Connecticut

Certified Construction Manager

Certified Professional Constructor

Professional Memberships:
American Society of Civil Engineers

Construction Management Association of America

 # Years Technical Experience: 33

documents and participates in final lump sum negotiations with the CM-at-Risk and the architect.

City University of New York (CUNY), Brooklyn College Performing Arts Center, Brooklyn, NY

Jim served as Program Manager for CUNY for the CM-Build Brooklyn College Performing Arts Center Project estimated to cost $69 million. He directed field forces under contract to Hill for the construction of college-used swing spaces; oversaw all aspects of CM contract performance; developed all schedules/ milestones, budgets and cost control/forecasting reports; coordinated with all project interested parties to ensure compliance with construction contract requirements; and prepared all contract front-end documents and site logistics plans

Prior Experience

Wethersfield Cove Combined Sewer Overflow Project

Jim served as Project Manager/Resident Engineer with overall responsibility for all field activity on a multi-site project for a municipal utility on combined sewer separation projects. He coordinated all construction and contractor, safety and public relations activities. He supervised and administered all aspects of construction management, including design review, overall project scheduling, budgeting and forecasting, shop drawing review, coordination with local and state government officials and utilities and contractor compliance with contract specifications.

Oak Point Link Rail Trestle, On/Above the Harlem River, New York, NY

As Senior Inspector/Project Engineer, Jim inspected and documented all aspects of the construction of 1.8 miles of railroad trestle with 344 caissons, pre-cast and pre-stressed concrete spans and track in the Harlem River. He also supervised subconsultant inspection forces.

Highway Management System, I-95, Southwest CT

Jim provided inspection for the installation of fiber optic cables for a highway management system on I-95. He inspected and documented all aspects of project work.

Paving of I-95 and Widening of I-84, CT

As Senior Inspector/Office Engineer, Jim assisted the Resident Engineer with all aspects of project inspection, documentation and management. He supervised inspection and testing personnel. He also performed project surveys. Projects included paving, drainage structures and piping installation and bridge construction.

United States Air Force, Bio-dynamics Laboratory Modification and Jet Engine Test Facility Renovations, Dayton, OH

Jim served as Project Manager/Engineer/Superintendent responsible for all on-site activity. He directed craft forces, managed contracts and materials purchases, reviewed shop drawings, negotiated change orders and provided oversight of contract and safety compliance. He was also responsible for all project budget and cost control.

Zachary Stern

Engineer - Structural

Education:
BS, Civil Engineering, George Washington University, 2008

 # Years Technical Experience: 8

Zach Stern specializes in New York City metropolitan area transit projects, including work on bridges and repair and resiliency projects. His skills include development of Master Schedules, maintenance of cost and resource loaded baseline schedules, timelines capturing project milestones and key events, CPM-based construction schedules, time impact analysis, document review for delay evaluation, project delay and cost overrun analysis and cost and damage quantification. His specialized computer software skills include Oracle Primavera P3.

As Project Scheduler, Zach's duties will include site monitoring, contractor's payment requisition review, owner-client meetings, project status reviews and change order reviews. He will also be responsible for review of the contractor's monthly schedule update. In addition, as needed, Zach will create an As-Built and master schedule, evaluate fragnets for time impact analysis (TIA) purposes and conduct detailed delay analyses for any claims.

Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY, Assistant Project Engineer

Hill, in joint venture, is providing construction management services for the $2.4 billion construction extension of the No. 7 Line for the New York City Metropolitan Transportation Authority Capital Construction Program and the Hudson Yards Development Corporation. The project includes two bored tunnels with each diameter approximately 22.5 feet, 34th Street Station, and two interlocking structures which will be connected to the 34th Street Station. As Assistant Project Engineer, Zach is responsible for tracking, analyzing and processing change orders. This includes reviewing letters from the contractor claiming extra work and seeing if there is any validity to the claim.

Prior Experience

Port Authority of New York and New Jersey, Sandy Storm Relief, New York, New York

In support of the PANYNJ's Superstorm Sandy Relief efforts, Zach helped to develop a database of all damaged Port Authority inventory along with possible funding options to repair/replace each project.

Port Authority of New York and New Jersey, Goethals Bridge Replacement Project, Newark, NJ

Zach, in a Project Controls role, assisted in developing project specific

specifications for the PANYNJ during the RFP phase. This project is Public-Private-Partnership (P3) design-build, finance-maintain (DBFM); so each relevant Port Authority specification needed to be altered to reflect this type of work. Zach was also responsible for maintaining a Contract Deliverables Requirements List (CDRL) to track all potential deliverables throughout the life of the project.

New York City Transit Authority Bridges and Tunnels, Marine Parkway Bridge Scour Monitoring, New York, New York

As an engineer for the Marine Parkway Bridge Scouring project, Zach inspected each foundation of the Marine Parkway Bridge above the waterline to determine extent of concrete repairs needed. After inspection, Zach created drawings, calculated quantities and provided preliminary estimate of potential work to be done on each foundation.

New York City Department of Transportation, Willis Avenue Bridge Replacement Project, New York, NY, Field Representative

Employed by an architecture, engineering, planning, and construction services firm, Zachary was part of the Resident Engineering and Inspection Team assigned to a $630 million bridge project. Works included the demolition and replacement of a 109-year-old bridge crossing the Harlem River and construction of new approach spans and ramps crossing FDR Drive in Manhattan and the Major Deegan Expressway in the Bronx. His duties comprised reviewing design submittals and requests for information (RFIs) prior to operations, performing quantity take-offs and change orders, managing the work of construction crews, and liaising with the contractor to obtain the best product of the client. Zachary also inspected construction works such as rebar, caisson, and structural concrete placement to New York State Construction Specifications and produced punch lists for inspection procedures. During this project, he gained experience with substructure, footing, and superstructure construction.

John H. Lehman, PE

Senior Mechanical Engineer

John H. Lehman, PE, has 41 years of experience in the transportation sector. Highlights of John's work include the $1.6 billion Transbay Transit Center, which will be the northern terminus for the California High Speed Rail system, the analysis of the New Haven Rail Maintenance Facility in Connecticut and oversight on major regional rail assignments across the U.S. for the Federal Transit Administration. John has directed multi-disciplinary, multi-national engineering design teams on rail car manufacturing and large construction projects, and specializes in heavy equipment design, maintenance and operation, construction and operations analysis for rail car procurement, rail car manufacturing facilities and car repair and locomotive servicing facilities. John has also prepared engineering and economic studies on equipment selection and maintenance, transportation operations and plant location.

Education:
Master of Management, Transportation, JL Kellogg School of Mgmt, Northwestern University, 1980

BS, Mechanical Engineering, University of Illinois, Urbana-Champaign, 1972

Registrations:
Professional Engineer, Illinois

Professional Engineer, New Jersey

 # Years Technical Experience: 41

Northern Illinois Regional Transportation Authority, RTA PMO, Chicago, IL

Hill is contracted to provide project management oversight for selected CTA (heavy rail and bus), Metra (commuter rail) and Pace (suburban bus) projects funded by the State of Illinois Bonds and administered by RTA for Illinois DOT. Hill's current assignments include bridges, substations, rail vehicle procurement, rail vehicle overhaul, stations, and track renewal. Hill has also been tasked by RTA to assist in improving value engineering and project oversight scope for RTA funded projects. John serves as Project Manager for the overall contract and is also the lead for stations, track renewal, and rail vehicle projects.

State of Connecticut, Office of Policy and Management, New Haven Rail Maintenance Facility Expansion, Hartford, CT

Hill International was retained to provide a review and analysis of the New Haven Rail Maintenance Facility Expansion Project. As part of the review of the Connecticut Department of Transportation's proposed expansion and modernization of the facilities, John was asked to review the scope of the proposed storage yard and rail vehicle maintenance facilities with respect to the maintenance needs of the new technology M-8 Series cars and the existing New Haven Line fleet operated by Metro-North Railroad.

New York State Metropolitan Transportation Authority (MTA), MTA Independent Engineer's Certification Program, New York, NY

John is responsible for evaluating the adequacy of the maintenance budgets and the efficacy of the maintenance programs for the rolling stock and track departments of MTA's operating agencies. The reviews

include: New York City Transit - Car Equipment and Track and Right-of-Way; Long Island Rail Road - Maintenance of Equipment and Maintenance of Way-Track; Metro North Railroad - Engineering Department-Track.

Federal Transit Administration (FTA), Various Projects, Washington, DC

John provides a variety of Project Management Oversight services to the Federal Transit Administration. Projects include:

- **Washington Metropolitan Area Transit Authority (WMATA), Washington, DC.** John is providing Project Management Oversight (PMOC) for the Federal Transit Administration (FTA) for the WMATA rail car procurement. Oversight includes evaluation of budgeting, rail fleet acquisition and maintenance planning, and issues related to manufacturing, testing and acceptance. His projects include: 5000 Series new cars, 192 cars, $383 million; BREDA Rehabilitation Project (2000/3000 Series), 364 cars, $400 million; and the 6000 Series new cars, 184 cars, including options, $378 million. John also provided PMO services for the FTA for the Shops/Yards Expansion projects under the WMATA Metro Matters program. Oversight includes monitoring of program management, including budgets and schedules, monitoring construction progress for three projects, Greenbelt Shop, Shady Grove Shop and Brentwood Shop, with a construction cost of $142 million.
- **Metropolitan Washington Airports Authority, Dulles Corridor Metrorail Extension, Vienna, VA.** John is providing Project Management Oversight for the FTA for the Dulles Corridor Metrorail Extension project that was begun by the Virginia Department of Rail and Public Transit. Services include monitoring; risk analysis; and evaluation of scope, cost, and schedule. The project cost is in excess of $2 billion.

New York State Metropolitan Transportation Authority (MTA), Independent Engineering Consultant, New York, NY

John served as an independent engineering consultant to the MTA with oversight responsibility for $5 billion of vehicle procurement and new construction. His projects included: New York City Transit Authority (NYCTA) new subway cars program, 1,762 cars, $2.7 billion; Long Island Rail Road (LIRR) electric cars, 326 cars, $785 million; and the LIRR Jamaica Station Improvements. He also contributed to a special study on proposed shop layout revisions to NYCTA's 207th Street Overhaul Shop.

Port Authority of New York and New Jersey, World Trade Center Transportation Hub, New York, NY

John is providing support to Port Authority Engineering in the areas of train operations, project phasing, and program cost estimation for the restoration of PATH train service and the rebuilding of the World Trade Center.

John D. Swartzwelder

Senior Engineer - Mechanical

Education:
BS, Mechanical Engineering, New Jersey Institute of Technology, 1980

Certificate, 4 Hour User/ Erector Supported Frame Scaffold Safety Training, Total Safety Consulting, New York, 2006

 # Years Technical Experience: 33

John D. Swartzwelder has more than 33 years of experience in management and construction supervision for courthouses, national memorials, educational, residential, religious, laboratories and research facilities and clean rooms. John has provided project management services from planning, through construction, start-up and occupancy on technically complex, major infrastructure and building renovation projects with aggressive schedules. He has performed facility assessments and has helped formulate facilities management plans. He has also designed high-purity and conventional piping and chemical waste systems for state-of-the art semiconductor fabrication research facilities.

Brooklyn Performing Arts Center, City University of New York (CUNY), Brooklyn New York, Project Superintendent

Hill is providing construction management services for the construction of a new state of the art $65 million Performing Arts Center at Brooklyn College. The project consists of multiple phases to provide swing space, perform abatement and demolition of Gershwin Hall while adjoining areas are fully occupied, separate the fire alarm systems and bring the remaining system up to code, perform early construction projects to relocate site utilities while the design was completed for the Performing Arts Center. This project is located on top of NYC DEP storm drain tunnels, requiring an extensive vibration monitoring program, all in a densely populated urban setting requiring limited noise and disruption to the surrounding areas. The new PAC building is 75,000 SF and consists of a 250 seat recital hall/theater and ancillary spaces.

Museum of the City of New York, New York City Department of Design & Construction (DDC), New York, New York

The DDC Cultural Facilities and Libraries Unit has retained Hill International as its consultant for a City-wide CM-Build Requirements Contract for The Museum of the City of New York. John provided project management services for the slate roofing replacement, mechanical and electrical upgrades, and the construction of a 20,000 square foot addition. A new electrical service and switchgear were installed. A new fire pump, exhaust systems, and renovated bathrooms were completed prior to the addition of the new gallery and support facilities. New chillers and cooling towers, emergency generator, and environmentally controlled collections storage areas were also provided. The new mechanical equipment installed will provide the infrastructure for the renovation phases for the existing building. The new addition contains

curatorial support facilities, staffing work and office areas, environmentally controlled collections storage areas, and new gallery spaces.

OGS Department of Labor State Office Building, Brooklyn, New York, State of New York

Hill is providing construction management services for the complete architectural and MEP renovation of the Department of Labor State Office Building in Brooklyn, New York. This project is a gut renovation of a 72,000 square foot, 5-story office building housing the State Department of Labor. Designed as a Gold LEED certified building, usable office space was gained back by removing perimeter fined tube radiation covers, two mechanical rooms per floor, and relocating boilers, packaged air handlers, and other equipment to the roof penthouse. Asbestos and lead paint abatement will be completed before starting the renovation. As Project Manager, John is involved in all phases of the construction from pre-construction and construction services, to acceptance and close out. During the pre-construction phase, John provided constructibility and document reviews, cost estimates, and scheduling. He also provided technical assistance to the design team to help expedite the design package and deal with the New York City related code items. The projected cost for the project is $17.5 million with a construction duration of 24 months.

Peter B. Turton, PE

Senior Project Manager

Peter B. Turton is a Professional Engineer with more than 40 years of experience in the construction industry. Peter is a seasoned construction executive specializing in the delivery of complex, multibillion dollar transit projects nationally and internationally. He is particularly adept at constructing major new works in an active rail environment; working on major transit and parking structure projects; knowledgeable of design-build and EPC; providing QA/QC management on major projects and working within an integrated client organization for major project delivery.

Peter has been involved with projects at every stage, from conceptual design to operation and maintenance, and is very familiar with alternative delivery methods, including design-build. His areas of expertise include program management, project and construction management, engineering, contract formation, constructability, planning and scheduling, staging and procurement support. Peter has also played an instrumental role in partnering sessions and dispute review board meetings. His projects consist of rail and transit, tunnels and subways, airports, commercial buildings, theme parks, power generation and transmission facilities and nuclear generating stations. He also served on a panel of experts chosen to evaluate and recommend strategy for rebuilding the World Trade Center site, including the PATH rail terminal, and led the design for a confidential security project concerning two major transportation hubs in New York City.

Metropolitan Transportation Authority (MTA), No. 7 Line Subway Extension, New York, NY, Vice President and Project Director

Peter was responsible for construction management during the building of this complex $2.1 billion rail tunnel. He directed the day-to-day activities of the construction management team; directed contract formation and procurement strategy, schedule development, and contract changes for multiple contracts; interfaced with the client organization and other agencies and made internal and external high-level presentations. The Twin Tunnels shafts and Large Caverns Station were delivered ahead of schedule and under budget. He was instrumental in working with the contractor to procure TBMs and other major tunneling equipment as well as monitoring the commissioning and decommissioning of the TBMs. He directed operations to closely monitor GBR conditions and made preparations for the three monthly dispute resolution board reviews. He was also instrumental in devising and managing ground freezing to permit TBM work to proceed through mixed face conditions.

Education:
MS, Civil Engineering, University of Birmingham, United Kingdom, 1967

BS, Civil Engineering, University of Birmingham, United Kingdom, 1964

Certificate, Project Management, Washington Group International, 2005

Certificate, Confined Space Awareness Training, The Liro Group, 2010

Certificate, OSHA 10 Hour, Liro Engineers, Inc., 2011

Certificate, Underground Blasting Technology and Risk Management, Society for Mining, Metallurgy, and Exploration, 2008

Certificate, Tunnel Waterproofing and Shortcrete Symposium, Society for Mining, Metallurgy, and Exploration, 2008

Certificate, Tunneling, Colorado School of Mines, Golden, Colorado, 2008

Registrations:
Civil Engineer, California

Professional Memberships:
Project Management Institute

American Society of Civil Engineers (ASCE)

Awards/Honors:
"James G. Hellmuth Unit Citation Award," for AirTrain JFK project, presented by The Port Authority of NY & NJ, (2004)

 # Years Technical Experience: 40

Prior Experience

Port Authority of New York and New Jersey, Transportation Study Projects, NY and NJ

Working for an engineering, construction, and project management group, Peter participated in studies for work at La Guardia Airport, the George Washington Bridge, Battery Park City Ferry Terminal, and a rail terminal in New Jersey.

Port Authority of New York and New Jersey, Facilities Modification Projects, New York, NY, Project Manager

On behalf of a company specializing in engineering, construction and management services, Peter provided project oversight during the modification of several Port Authority facilities. Specifically, his projects included: John F. Kennedy International Airport, Queens; La Guardia Airport, Long Island and Port Authority Trans Hudson (PATH) Rail Tunnels.

Lower Manhattan Construction Command Center (LMCCC), World Trade Center Reconstruction Projects, New York, NY, Team Member

Peter was part of a select group of world-renowned experts tasked with evaluating and recommending construction strategy and scheduling for the rebuilding of the World Trade Center.

World Trade Center Vehicular Security Center and Tour Bus Parking Facility, New York, NY, Construction Manager

Employed by an engineering, construction and management services company, Peter was involved in the preliminary design of the vehicular security center and parking facility.

Port Authority of New York and New Jersey, World Trade Center Port Authority Trans-Hudson (PATH) Terminal Project, New York, NY, Construction Manager

Working for an engineering, construction and management services firm, Peter played a lead role in the value planning exercise for design, construction and utilization of a permanent PATH Terminal at the World Trade Center. He was involved in coordinating the common interests of stakeholders and resolving differences to arrive at a series of project improvement alternatives. In an effort to determine alternative ways for achieving the equal function of various elements within the terminal, Peter drafted sketches, calculated cost and estimates, prepared schedule narratives, substantiated test data and developed life cycle costs. He also conducted a weighted matrix analysis to determine which alternative offered the best combination of performance, cost and schedule.

Manuel De La Hoz

Engineer - Mechanical

Education:
B.E., Technical Drawing, Institution of Industrial Technology of Atlantico, Columbia, 1974

Diploma, Technical Drawing, Institution of Industrial Technology of Atlantico, Columbia, 1971

 # Years Technical Experience: 26

Manuel E. De La Hoz has over 26 years of experience in construction and engineering, estimating and project management for HVAC, plumbing and piping, fire protection, elevators and electrical projects. He has been involved with bids and the management of some of the largest mechanical projects in the New York and Philadelphia metropolitan area, including educational, airport and pharmaceutical projects. Manuel has served as Senior, Lead and Mechanical Estimator and Construction Consultant for many notable projects; clients include the Atlantic City Board of Education, U.S. General Services Administration (GSA) and Och-Ziff Capital Investments, LLC. In addition, he is a certified QuickPen user, certified Itron AMR installer and is fluent in English and Spanish.

Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY, Estimator

The Hill/LiRo/HDR Joint Venture is responsible for providing construction management services for the extension of the Number 7 Subway Line westward from Times Square under West 41st Street and southward along 11th Avenue to the southerly terminus at West 25th Street. The team will provide management and project control services for the tunneling work and during construction of the facilities and infrastructure transforming the Hudson Yards into vibrant 24-hour neighborhood containing a mix of commercial, residential, retail, and recreational uses.

Port Authority of New York and New Jersey, World Trade Center (WTC) Transportation Hub, New York, NY, Senior Mechanical Estimator

Hill is providing program management services in connection with the planning, design and construction of the new World Trade Center Transportation Hub, including the new permanent PATH Terminal, which is expected to cost $2.5 billion. Hill provided similar services in connection with the $566M temporary PATH Station. Manny was involved with the estimating effort for the Port Authority's 3.5M SF of reconstruction below street level with initial budget estimates, design estimates and final estimates, including FTA grantee funding scope. In addition to the new PATH terminal, the site includes security, tenant and bus parking; core and tower podiums; central power and mechanical plants; memorials; as well as cultural and performing arts centers.

Port Authority of New York and New Jersey, Retail Redevelopment at World Trade Center (WTC) Site Estimate, New York, NY, Senior Estimator

Hill provided the Stage I Design Construction cost estimate for the World Trade Center Retail Redevelopment. Manny was involved with the estimating effort for the Port Authority's 3.5M SF of reconstruction below street level with initial budget estimates, design estimates and final estimates, including FTA grantee funding scope. He also coordinated the estimate of all of the construction divisions for several phases. The site includes security, tenant and bus parking; core and tower podiums; new PATH terminal, new center power and mechanical plants; memorials; retail space; cultural and performing arts centers.

State of Connecticut Office of Policy and Management, New Haven Rail Maintenance Facility Expansion, Phases 1, 2, and 3, New Haven, CT, Senior Estimator

Hill reviewed and analyzed the scope, cost and budget established by the Connecticut Department of Transportation for the New Haven Rail Maintenance Facility Expansion Project. Prior to Hill's engagement, the estimated costs for the execution of the proposed project greatly exceeded the original budgetary estimates. Hill critically evaluated the adequacy of the original work scope and estimate, determined the factors driving the increases in estimated costs, performed an independent cost estimate, reviewed the scope to recommend ways to reduce project costs (Cost Containment Analysis), provided budgeting options, reviewed DOT capital project budgeting and cost estimating procedures and protocols, conducted a project risk assessment and assessed the reliability of the out-year estimates, proposed yard expansions and configuration control. In addition to estimating the HVAC, plumbing and fire protection, Manny provided the estimating effort with schematic design, design development, 75% CD and budget reconciliation.

New York City Department of Design and Construction, City Hall Renovation, Pre-Construction Services, New York, NY, Senior Estimator

Hill is providing construction management services for the $150 million renovation of New York City Hall in Lower Manhattan. Renovations will include exterior and roofing improvements; refinishing of the iconic steps; installation of new electrical, fire, audio-video, heating, ventilation, and air conditioning systems; modernization of its elevators; and the complete renovation of all interior spaces. Involved with preconstruction, budgeting and estimating, as Senior Estimator, Manny led the estimating effort for the schematic design, design development, 50% CD, 9.5% CD and 100% CD estimates for the construction program. His detailed estimates include all civil, architectural and structural, mechanical and electrical divisions; as well as Pack 1 and 2. Manny is also assisting the project management team to validate contractor's bid and to review scope of work, in addition to other specialized project management tasks.

Bethoven C. Torio

Engineer - Electrical

Education:
BS, Electrical Engineering, Ortanez University, Philippines, 1980

Professional Memberships:
American Society of Professional Engineers

Bethoven C. Torio has more than 30 years of experience in electrical construction project management, inspection and estimating. His projects include residential, commercial and industrial assignments, with small, medium and large power distribution and auxiliary system layouts. Bethoven's specialized computer software skills include AutoCAD and computer generated estimating software. Highlights of his project experience include numerous electrical estimating and inspection projects across the New York Metropolitan area, including many assignments for City agencies and authorities. He is fluent in English and Tagalog.

Port Authority of New York and New Jersey (PANYNJ), Superstorm Sandy Long Term Recovery Operation and Call-In Estimating, New York and New Jersey, Electrical Estimator/Electrical Inspector

In an emergency recovery effort of over $250 million, Bethoven coordinated with the Federal Emergency Management Agency (FEMA), and PANYNJ Office of Emergency Management (OEM). Hill provided site assessments and estimating services for civil, architectural, mechanical, plumbing, sanitary and electrical systems damaged by Superstorm Sandy for all New York and New Jersey Port Authority facilities. Bethoven provided the site assessments and estimates of the damages to the electrical systems at more than 10 Port Authority sites. Bethoven visited each, site confirmed and generated scoping items in a comprehensive report for mitigation, developed detailed cost estimates for scope of damages and negotiated final costing of damages against FEMA and other related insurance agencies for payment.

Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY, Senior Estimator

Hill is providing estimating services for various Additional Work Orders (AWO's) for civil, architectural, mechanical, plumbing and electrical works for the 7-Line Extension Project. Bethoven is providing review and estimating services for the high and low voltage electrical installations for lighting, power, fire alarm, security, communications (System Wide & Site Specifics), instrumentation and Controls Equipment Cabling and Traction Power. Bethoven is instrumental in providing clarification and guidance to MTACC estimators. He also works closely with the MTACC Audit and Procurements Departments and provides support to the MTACC during negotiations with contractors.

Dormitory Authority of the State of New York (DASNY), Bronx County Hall of Justice, New York, NY

Hill International represents DASNY in dealing with DASNY's subcontractors and other matters as required. Hill's services include change orders, punch list inspection, allowances, schedule delay analysis, parking garage and pre-cast inspection, and claims support. Bethoven serves as Electrical Estimator responsible for the estimating and processing of electrical change orders.

New York City Housing Authority, Low Income Housing Renovations, New York, NY

Hill International is providing services for a CM-Build contract with the New York City Housing Authority for renovations to Albany Houses totaling nine buildings and 1,229 apartments. Bethoven coordinates with the building tenants for the electrical work upgrades to be done to their apartments and coordinates this with the electrical contractor. He inspects and checks the electrical materials being used onsite in order to ensure that they meet specifications; inspects the electrical upgrade and the basement electrical room power upgrade for each building as they are finished; and provides daily inspections reports for day-to-day work, work accomplished, and manpower.

Contract Specialist Resumes

Marc S. Zaretsky

Lead Contracts Manager

Education:
JD, Hofstra University School of Law, New York, 1991

MBA, Law/Business, Hofstra University, New York, 1991

BBA, Banking & Finance, Hofstra University, New York, 1986

Registrations:
Admitted to Practice Law in the State of New York

 # Years Technical Experience: 20

Marc S. Zaretsky has nearly 20 years of legal and business experience in construction industry. Marc is adept in project finance, project management, claims consulting and contractor and subcontractor disputes management. His project experience includes courthouses, transportation, hotels, petrochemical and power projects. He has served as general operations manager, senior counsel and general counsel and secretary providing legal and business support. Principal in his own law firm, Marc's practice included general law with concentrations in construction, energy, corporate, estate planning, and real estate matters involving commercial and residential transactions. He has also served as Professor in the Continuing Education Program for Paralegal Studies at Hofstra University.

As project Contracts Manager, Marc will be responsible for the relationships and contracts between the owner and the contractors and other project vendors. Marc will help to establish and maintain strong, positive working relationships among the project stakeholders, and verify contract compliance and adherence to quality, cost and schedule parameters. Marc can also assist in procurement by helping the owner develop approved bidder qualifications, supporting contract negotiations, developing contract language to protect the project and providing financial control. In the event of a contractual dispute, Marc will work to resolve the issue before it can affect the project, with an emphasis on finding a "win-win" solution for all involved parties.

West Point Association of Graduates, West Point Visitors Center Renovation and Reconstruction, West Point, NY, Senior Project Manager

The project includes a new Visitors Center with modern exhibition space will be the gateway to the United States Military Academy. Hill has managed the design and approvals of the new 12,000 SF facility and will manage the planned construction in 2014. The project includes an open space reception lobby, information center, gift shop, administration suite, and central plaza as a public gathering space. After razing much of the adjacent existing visitors center, a portion will be preserved and renovated to house an 8,000 SF state-of-the –art exhibit space. The renovated portion will have a new building façade that will give the appearance of the military gothic architecture of the nearby Museum.

As Contracts Manager, Marc supported the owner in contract negotiations with the architect and other consultants, developing contract language to protect the project as well as assisting the owner with bidder qualifications and the vetting process. Marc also assisted the owner with specification, general conditions language as well as monitoring the parties' compliance with the insurance requirements of the project.

Dormitory Authority of the State of New York, Bronx County Hall of Justice, Bronx, NY

The new Bronx County Hall of Justice is an 11-story, 775,000 SF complex that is located on East 161st Street near Grand Concourse. Hill is the Construction Manager for the completion of the project. Marc serves as the Senior Project Manager responsible for providing Hill's services, including construction inspection, change order management, punch list inspection, and overall coordination of testing and training of building systems. He also provides claims avoidance and management and participates in the documentation, negotiation and settlement of claims. He schedules, coordinates and monitors all project-related activities between DASNY, clients, consultants, contractors, and other agencies and coordinates project closeout procedures with clients, Architects and Engineers, and contractors.

New York City Department of Design and Construction, Various Projects, New York, NY

As Senior Contracts Administrator, Marc drafts, negotiates, and finalizes contracts for clients and subcontractors. He classifies and categorizes all client and subcontract contract documents and reviews subcontractor insurance and bonding requirements for proper coverage. He reviews bid information and assists and analyzes concerns in connection with non-responsive bids; assists project managers in connection with responding to subcontractors and clients for various matters; and also coordinates strategy with and between project managers and senior management. Projects include:

- Brooklyn Public Library.
- Staten Island Zoo.
- Lion House at the Bronx Zoo.
- Museum of the City of New York.
- Queens Theater in the Park.
- Schomburg Center for Research in Black Culture.
- Fifth Avenue Renovation at the Pierre Hotel.
- Putnam County Courthouse.
- Thurgood Marshall U.S. Courthouse.

Calvin A. Lee

Senior Contracts Manager

Calvin A. Lee has more than 20 years of experience in construction management, contracts management, procurement and claims avoidance for correctional, educational, housing and sports stadium projects. He also has experience with VENDEX and New York City Procurement Policy Board Rules. Calvin has drafted and negotiated prime contracts, handled legal claims and insurance matters, handled procurement of goods and services and revised and drafted standard forms of subcontract and general conditions for at-risk construction projects. Calvin is also licensed to practice law in New York and New Jersey.

Port Authority of New York and New Jersey (PANYNJ), World Trade Center PATH Station Reconstruction, New York, NY

Hill, in joint venture, is providing construction management services for the $2.1 billion construction extension of the No. 7 Line for the New York City Metropolitan Transportation Authority Capital Construction Program and the Hudson Yards Development Corporation. The project includes two bored tunnels with each diameter approximately 22.5 feet, 34th Street Station, and two interlocking structures which will be connected to the 34th Street Station. The 7,200 feet tunnel can accommodate a two-track railroad with two lay-up tracks for the storage of six trains. Calvin provides change management services and is responsible for reviewing and preparing written responses to incoming correspondence related to potential contract work changes; processing of applicable contract work changes as additional work orders; reviewing, investigating and responding to all potential contract claims and disputes; and addressing and handling issues related to maintenance of construction milestones and schedule.

Port Authority of New York and New Jersey(PANYNJ), World Trade Center PATH Station Reconstruction, New York, NY

Hill provided program management services in connection with the planning, design and construction of the new World Trade Center Transportation Hub, including the new permanent PATH Terminal and the temporary PATH Station. As Senior Contracts Manager for Hill, Calvin collaborated extensively with the Port Authority project managers, staff and its consultants relative to addressing contract issues and obligations and offers solutions to mitigate contractual and program risks. He handled, processed and administered construction issues and potential claims issues, contract interpretation, delays and disruptions in the contract work and the responsibility for delays.

Education:
JD, Law, New York University Law School, 1985

BA, Political Science, University of Pennsylvania, 1982

Registrations:
New Jersey Bar

New York Bar

Professional Memberships:
Project Management Institute

New York City Bar Association

Deep Foundation Institute

American Bar Association

Secure Worker Access Consortium (SWAC)

Construction Management Association of America (CMAA)

 # Years Technical Experience: 20

New York City Department of Design and Construction, Dormitory Authority of the State of New York, and Metropolitan Transportation Authority, Various Projects, New York, NY

As Contract Administrator for Hill International, Calvin prepares bids and reviews statements of work and specifications to identify risks; informs management of contractual risks and obligations; and offers solutions to mitigate contractual and program risks. He handles insurance issues; compiles and analyzes data; and maintains historical information. Calvin provides analysis and reports on contract documents and negotiates revised conditions of contracts and subcontracts. Projects include:

- El Museo del Barrio
- Lion House at the Bronx Zoo
- Museum of the City of New York
- Queens Theatre in the Park
- Staten Island Zoo
- Schomburg Center for Research in Black Culture
- Brooklyn Public Library
- Kingsbridge Library
- DASNY Bronx Criminal Courthouse Complex
- MTA Independent Engineer's Certification Program

Suzanne B. Schwartz

Contracts Manager

Suzanne B. Schwartz is an experienced Contract Administrator with familiarity in the design and reconstruction of construction projects. Suzanne also has experience in the negotiation of contracts. She has participated in all facets of litigation, including the preparation of contracts and insurance documents, document review and control, and management of general conditions contacts.

Port Authority of New York and New Jersey (PANYNJ), Superstorm Sandy Support Services, New York, NY

In an emergency recovery effort of over $250 million, Greg coordinated with the Federal Emergency Management Agency (FEMA), and PANYNJ Office of Emergency Management (OEM). Hill provided site assessments and estimating services for civil, architectural, mechanical, plumbing, sanitary and electrical systems damaged by Superstorm Sandy for all New York and New Jersey Port Authority facilities.

The Dormitory Authority of the State of New York (DASNY), Bronx County Hall of Justice, Bronx, NY

Hill International provided change order, punch list inspection, allowance reconciliation, schedule delay analysis, parking garage/ pre-cast inspection, project closeout, and claims support services as part of DASNY's team. Hill also represents DASNY in dealing with prime contractors, subcontractors, and other matters as required. Suzanne serves as Assistant Contract Administrator and is responsible for the preparation and review of contract documents and invoices, maintaining document logs, managing the contractor's claims log and general conditions, and interfacing with the client and contractors, as necessary, regarding change orders, cost control, and other project matters.

New York City Department of Design and Construction, Various Projects, New York, NY

As Contract Administrator for Hill International, Suzanne prepared bids and reviews statements of work and specifications to identify risks; informs management of contractual risks and obligations; and offers solutions to mitigate contractual and program risks. She handles insurance issues, compiles and analyzes data, and maintains historical information. Suzanne provides analysis and reports on contract documents and negotiates revised conditions of contracts and subcontracts. Projects include:

- Museum of the City of New York New Addition

Education:
J.D., Law, Hofstra University, School of Law, Hempstead, New York, 2005

B.A., Art History, Hofstra University, Hempstead, New York, 2001

Registrations:
New York Bar

New Jersey Bar

Professional Memberships:
New York State Bar Association

American Bar Association

 # Years Technical Experience: 8

- el Museo del Barrio
- Queens Theatre in the Park
- Kingsbridge Library
- Lion House at the Bronx Zoo
- The Staten Island Zoo, Reptile Wing
- Queens Public Library Renovation

New York City Housing Authority (NYCHA),Various Projects, New York, NY

Hill is providing construction management (CM/Build) services to the New York City Housing Authority for various capital housing projects throughout the five boroughs of New York City. As Contract Administrator for Hill International, Suzanne prepared contract documents and bid packages to be issued to contractors; reviews contractor qualifications; and collaborates with NYCHA personnel, as necessary, for successful completion of the project.

Prior Experience

Law Firm, Various Projects, Hicksville, NY

Suzanne assisted attorneys in all facets of litigation, including landlord and tenant disputes and the sale of real property. She drafted contracts of sales, wills, and Certificates of Incorporation. She also researched various legal issues, such as registration and licensing of compositions with the American Society of Composers, Authors and Publishers.

Law Firm, Various Projects, Rockville Centre, NY

As Legal Assistant, Suzanne assisted in workers' compensation cases from intake to close. She interfaced with doctors, insurance companies, and opposing counsel. She also communicated with and prepared clients for court appearances; organized client files and medical records; and attended hearings, depositions, and conferences.

Cost Estimates Resumes

Raymond Tom, AIA, LEED GA

Estimator

Education:
BArch, Architecture, Pratt Institute, 1993

AAS, Architectural Technology, New York City Technical College, 1990

Registrations:
Registered Architect: NY

LEED Green Associate

 # Years Technical Experience: 20

Raymond Tom has nearly 20 years of design experience, serving as a Senior Project Architect for healthcare, hospitality, education, stadiums, corporate offices, banking, mixed-use, entertainment, retail and shopping malls and entertainment projects. Ray is also a skilled team leader, drawing upon both his professional and military experience. Ray specializes in leading the design phase of complex projects, verifying constructability and coordinating with architects, engineers and owners to help ensure final plans and drawings reflect the client's intent accurately and can be constructed as designed. Raymond's specialized computer software skills include AutoCAD R13 through 2008 and Revit, 2009. He is fluent in English and Cantonese.

Port Authority of New York and New Jersey (PANYNJ), Superstorm Sandy Long Term Recovery Operation and Call-In Estimating, New York and New Jersey

Hill provided site evaluations and estimating services for Civil, Structural, Architectural, Mechanical, Plumbing, Fire Protection, Sanitary and Electrical Systems damaged by Hurricane Sandy. PANYNJ facilities included Airports, Ports, Rails, Tunnels & Bridges and Storage Buildings and Infrastructures. Ray closely managed and coordinated a diverse team of estimators that confirmed and generated scoping items in a comprehensive detailed report for mitigation, developed detailed cost estimates for scope of damages promptly enabling PANYNJ and their insurance agency in negotiating final costing of damages against FEMA and other related insurance agencies for payment. The Hurricane Sandy estimated damages were in excess of $250 Million.

Port Authority of New York and New Jersey (PANYNJ), Holland Tunnel Visual Assessment, New York, NY

Hill provided the Port Authority with comprehensive detailed inspection reports and detailed estimating services to evaluate a budget for the reconstruction and replace in kind costs for various scopes for areas within the tunnel. Damages were identified as Superstorm Sandy vs. Non-Sandy storm related damages providing the PANYNJ a critical overview and assessment of their level of priority for capital improvements needed. Ray managed and coordinated the estimating team estimating efforts resulting in budgets ranging between $100 Million to $150 Million. These budgets were used to secure FEMA funding for the related damages within the Holland Tunnel facility.

State of Connecticut Department of Public Works, Western Connecticut State University Fine and Performing Arts Center, Danbury, CT, Design Phase Manager

Hill was selected by the State of Connecticut Department of Public Works to provide Construction Administration Services for the Western Connecticut State University, Fine and Performing Arts Center located in Danbury, CT. Hill provided the full spectrum of services necessary to guide this project through its design, procurement, and construction phases. As Design Phase Manager, Raymond provided services in all phases of design from pre-design to construction documentation. He prepared Document Review Reports describing the results of his review of project plans. He generates Constructibility Reviews and Reporting of the drawings and specifications; existing site conditions; and proposed mechanical, electrical, and plumbing systems, as well as soil conditions review. Raymond coordinates and oversees the Master Schedule, provides a construction cost estimate, and conducts and provides value engineering and cost reduction alternatives.

City University of New York, Brooklyn College Performing Arts Center, NY, Design Phase Manager

Raymond served as Hill's Design Phase Manager and provides services in all phases of design from pre-design to construction documentation. He prepared document review reports describing the results of his review of project plans. He generated constructability reviews and reporting of the drawings and specifications; existing site conditions; and proposed mechanical, electrical, and plumbing systems, as well as soil conditions review. The addition not only includes performance and rehearsal spaces for the music and theater departments, it also creates a new front door and image for the entire campus. The new center includes a 64,000 SF addition to the existing Whitman Hall and features a 200-seat flexible stage performance space with variable acoustics; rehearsal rooms for orchestra, choral and theater; a state-of-the-art recording studio; the Pima Center for Computer Music; music studios and practice rooms; and a scene shop. A gracious lobby, serves as a venue not only for pre- and post-performance gatherings but also for campus-wide receptions and special events, welcomes visitors, students and staff alike. This project was designed and constructed to meet LEED Silver Accreditation.

New York City Department of Design and Construction (NYCDDC), City Hall Renovations, New York, NY, Cost Estimating Manager

Raymond serves as Cost Estimating Manager for the historic landmark building's renovations. Supporting management through various phases of the project, Raymond provides support and manages the cost estimates and budgeting process. Hill is providing construction management services for the $150 million renovation of New York City Hall in Lower Manhattan. Renovations include exterior and roofing improvements; refinishing of the iconic steps; installation of new electrical, fire, audio-video, heating, ventilation, and air conditioning systems; modernization of its elevators; and the complete renovation of all interior spaces.

Gregory D. Burgess

Estimator

Education:
Coursework, Accounting,
Medgar Evers College, 1980

 # Years Technical Experience: 30

Gregory D. Burgess has more than 30 years of experience providing detailed takeoffs and pricing of electrical construction. His expertise also includes management consulting and project management. He has served as on-site estimator for various sectors of the construction industry including aviation, healthcare, casinos, office buildings and historic landmarks. He has also been responsible for change order review of drawings, and contract documents during negotiated settlements between owners and subcontractors.

Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY, Electrical Estimator

The Hill/LiRo/HDR Joint Venture is responsible for providing construction management services for the extension of the Number 7 Subway Line westward from Times Square under West 41st Street and southward along 11th Avenue to the southerly terminus at West 25th Street. The team will provide management and project control services for the tunneling work and during construction of the facilities and infrastructure transforming the Hudson Yards into vibrant 24-hour neighborhood containing a mix of commercial, residential, retail, and recreational uses. Gregory is responsible for electrical change order reviews including fire alarm, security, intrusion detection and telecommunications.

Port Authority of New York and New Jersey (PANYNJ), Superstorm Sandy Long Term Recovery Operation and Call-In Estimating, New York and New Jersey, Electrical Estimator

In an emergency recovery effort of over $250 million, Greg coordinated with the Federal Emergency Management Agency (FEMA), and PANYNJ Office of Emergency Management (OEM). Hill provided site assessments and estimating services for civil, architectural, mechanical, plumbing, sanitary and electrical systems damaged by Superstorm Sandy for all New York and New Jersey Port Authority facilities. Greg provided the site assessments and estimates of the damages to the electrical systems at more than 10 Port Authority sites. He visited each, site confirmed and generated scoping items in a comprehensive report for mitigation, developed detailed cost estimates for scope of damages and negotiated final costing of damages against FEMA and other related insurance agencies for payment.

New York City Department of Design and Construction (NYCDDC), City Hall Renovations, New York, NY, Estimator

Gregory provided electrical cost estimates for renovations at New York City Hall. Hill was selected by the New York City Department of Design and Construction to provide quality construction management services for the 70,000 SF renovation and rehabilitation of New York City Hall. Built in 1812, the building houses the operations of many of New York's most prominent political figures including the Mayor and New York City Council. The building is also home to an invaluable collection of historic furnishings, ornate architecture and fine arts.

Prior Experience

George Bush Intercontinental Airport, Continental Airlines Terminal E, Houston, TX, Estimator

Gregory provided on-site electrical estimating services for a new state-of-the-art airline terminal encompassing 24 gates in a three-story, 600,00 SF facility which included a large private air travelers club and retail restaurant facilities. The project was constructed while airport operations were ongoing.(2004)

Newark Liberty International Airport, Continental Airlines Global Gateway, Newark, NJ, Estimator

Gregory provided on-site electrical estimating services that included estimates and contractor change order reviews. The electrical construction was valued at more than $40 million. (2003)

Gregory provided cost estimating services for the electrical systems of the permanent Kuwaiti mission to the UN.

Port Liberte, Jersey City, NJ, Estimator

Gregory provided all electrical cost estimates for Phase I of this residential complex built on the eastern shore of the Hudson River.

Fides J. Gardiner

Estimator

Education:
BS, Architecture,
University of Santo Tomas,
Philippines, 1985

Professional Memberships:
United Architects of the Philippines

 # Years Technical Experience: 25

Fides J. Gardiner has more than 25 years of diversified experience in design, and construction project management, budget/cost management, constructability review, value engineering. Fides has a broad range of construction management achievements, including, large-scale infrastructure (Civil and Building), corporate, educational, cultural venue, healthcare, recreational facility and municipal parks in New York and Asia. Fides has an extensive background in the art and science of preservation of buildings that involve all components of building envelope construction including facades, roofs, windows, plazas; Preservation and replication of historic interior ornamental décor; and the full range of materials – from landmark plaster, terra cotta, brick, and limestone to curtain wall systems; Her specialized computer software skills include AutoCAD, Expedition, Microsoft Project and Aconex, and she is fluent in English and Filipino and knows some Spanish.

Jet Blue Terminal 5, JFK International Airport, OTG at JFK T5 Venture, LLC, New York

Owner's Representative services for the interior fit-out of 22 individual food concession spaces located inside Jet Blue Terminal 5 at JFK International Airport. The development consists of various concessions located throughout the 635,000 SF terminal. Fides was in charge of the overall budget preparation for its entire scope work, constructability review of the design drawings and specification.

City of New York Department of Parks and Recreation, McCarren Pool & Bathhouse, New York, NY

A Centerpiece of Mayor Bloomberg's PlaNYC 2030 program, This 50 million dollar restoration project for the NYC Landmark McCarren Pool is a LEED silver certified project consisting of the 55,440 SF of restored pool with a smaller footprint to accommodate a terrace beach area, including 75,000 SF of concrete flat work and paving. Other highlights include the restoration of the recreation centers with a gym facility, multi-purpose community rooms, office for staff and the restoration of the lifeguard house and filter and control room, involving preservation of its historic features and ornaments and replication of the kiosk. As the Project Manager, Fides is responsible for overseeing multiple prime contractors, quality assurance and quality control, cost control and change order management and LEED submission. She managed all four Contracts from construction phase through completion commissioning,

final occupancy and project close-out.

City of New York Department of Parks and Recreation, Union Square Pavilion and Playground, New York, NY

The $20 million Rehabilitation Program includes the historic 1932 Pavilion, Playground and Plaza and maximizing its accessibility and usability and conversion of a large part of the Pavilion into a restaurant. The project comprised selective demolition including classified waste abatement and the pavilion reconstruction including the structural underpinning of the existing building, restoration of landmark features such as limestone façade, columns, spandrel, and replication of bronze doors and replacement of terra cotta, built-up roofing system. New construction includes the comfort station, commercial kitchen and state of the art playground and streetscape. As the Resident Project Manager, Fides performed an advisory role and has a direct line of authority from the client, providing information and presenting alternatives. She managed all four Contracts from construction phase through completion, final occupancy and project close-out.

The Dormitory Authority of the State of New York, Bronx County Hall of Justice, Bronx, NY

Fides served as Project Manager for the Bronx County Hall of Justice new construction project. She was responsible for contractor management, quality and cost controls, and review and processing of change orders and payment applications of 15 prime contractors to ensure the project's successful completion. Hill provided construction management, program change management, change order processing and negotiation, construction inspection, project reporting, scheduling and delay analysis, claims analysis and support, and project close-out for the new 11-story, 775,000 SF complex located on a two-and-a-half-block site near the Grand Concourse in the Bronx.

New York City Department of Design and Construction (DDC), City Hall Renovations, New York, NY

Hill is providing project and construction management services for the DDC in the rehabilitation and renovation of New York City's renowned City Hall. The federal-style landmarked building is undergoing structural repairs and upgrade of life safety and mechanical components. The $180 million project involves a series of building-wide infrastructure upgrades and enhancements throughout 70,000 GSF of the 200 year old building. Fides managed the change order process.

Francis M. Murphy

Estimator

Education:
MS, Construction Management University of West of England, 1992

Registrations:
Royal Institution of Chartered Surveyors

 # Years Technical Experience: 16

Francis Murphy has 16 years of estimating experience. His new-build, design-build and renovation projects valued at more than $250 million have encompassed a wide variety of sectors including healthcare, institutional, pharmaceutical, K-12 and higher education, museums, commercial buildings, laboratories, gymnasiums, convention centers and courthouses. Frank's background includes providing site, architectural and structural packages; hard-bid government estimates; schematic and conceptual estimates. In addition, his estimates have been used for development and verification of budgets and as a check against the construction manager's estimates.

Port Authority of New York & New Jersey (PANYNJ), Superstorm Sandy Project, New York and New Jersey, Estimator

Hill provided site evaluations and estimating services for civil, structural, architectural, mechanical, plumbing, fire protection, sanitary and Electrical Systems damaged by Superstorm Sandy. PANYNJ facilities included airports, ports, rails, tunnels and bridges and storage buildings and infrastructures. Frank developed detailed cost estimates for scope of damages promptly enabling PANYNJ and their insurance agency in negotiating final costing of damages against FEMA and other related insurance agencies for payment. The Superstorm Sandy estimated damages were in excess of $250 million.

City University of New York, Brooklyn College Performing Arts Center, New York, Estimator

Frank is part of the estimating team that prepares document review reports describing the results of his review of project plans. He generates constructability reviews and reporting of the drawings and specifications; existing site conditions; and proposed mechanical, electrical, and plumbing systems, as well as soil conditions review. The addition not only includes performance and rehearsal spaces for the music and theater departments, it also creates a new front door and image for the entire campus. The new center includes a 64,000 SF addition to the existing Whitman Hall and features a 200-seat flexible stage performance space with variable acoustics; rehearsal rooms for orchestra, choral and theater; a state-of-the-art recording studio; the Pima Center for Computer Music; music studios and practice rooms; and a scene shop. A gracious lobby, envisioned as a venue not only for pre- and post-performance gatherings but also for campus-wide

receptions and special events, welcomes visitors, students and staff alike. This project is being designed and constructed to meet LEED Silver Accreditation.

Prior Experience

Estimating Firm, Manchester, CT, Chief Estimator

Frank served as Chief Estimator for small construction cost consultancy. His projects included multiple hospital and institutional projects throughout the U.S.

- **University of Michigan, Ann Arbor, MI - multiple renovation projects of former Pfizer Campus for reuse by University ranging from $6 million to $25 million.**
- **Museum and Academic Building Renovations - values from $10 million to $30 million.**
- **Louisiana State University, Shreveport, LA - new academic project.**
- **Tidewater Community College, Newport News, VA - new academic project.**
- **Grove City College, Grove City, PA - new academic project.**
- **Hospital Renovations - projects ranging from $10 million to $25 million.**

Building Firm, Glastonbury, CT, Senior Estimator/Estimating Executive

Frank's projects included hospital renovations, academic remodeling and new-build projects, public sector project, educational and mixed-use.

- **St. Vincent's, Bridgeport, CT**
- **Norwalk Hospital, Norwalk, CT**
- **Gateway Community College, New Haven, CT**
- **Wesleyan University, Science Building, Middletown, CT**
- **Hartford Public Safety Building, Hartford, CT - $100 million public safety building**
- **Washington Gateway Development, Washington, DC - A $200 million mixed-use development.**
- **Waterbury Public Schools, Waterbury, CT**
- **Killingly Public Schools, Killingly High School, Dayville, CT**

Glenn Selover, CPE

Senior Estimator

Glenn Selover, CPE, has strong cost estimating experience. His areas of expertise include: takeoff; obtaining material and subcontractor quotations; pricing of labor, material, equipment; etc. He is also familiar with NJDOT, NJ Turnpike, Garden State Parkway, and various other county/town procedures. Glenn has worked on projects in both the public and private sectors.

The Port Authority of New York & New Jersey, World Trade Center Liberty Park, New York, NY, Senior Cost Estimator

Glenn was responsible for competitively bidding on and being low bidder for this project. He worked with the CM on defining the scope of work and the complete estimating of the project's cost. Once the project was awarded, Glenn worked with the project management team to help them better understand the project, sharing any information obtained pre-bid with them (bid documents, addenda, quotations, answered RFI's, etc.).

The Port Authority of New York & New Jersey, JetBlue Terminal 5i, John F. Kennedy International Airport, Jamaica, NY, Senior Cost Estimator

Glenn was responsible for competitively bidding on and being low bidder for this project. He worked with the CM on defining the scope of work and the complete estimating of the project's cost. This project was part of an expansion of JetBlue's facilities, involving the furnish and install 815 high capacity Monotube foundation piles to support new structures.

New York City Economic Development Corporation, Reactivation of the Staten Island Railroad, Staten Island, NY, Purchasing Agent/ Project Engineer

Glenn's duties included development of value engineering proposals, pricing and coordinating change order work, and cost accounting and profitability analysis. He maintained quantities for work performed, cost coding time sheets, purchase orders and delivery tickets, generating cost reports, shop drawing submittals, requests for information, purchasing construction materials and coordinating their deliveries with foremen and the superintendent as to minimize delays and minimize costs, reviewing and approving invoices for subcontractors and suppliers,

Education
AAS, Civil Construction Engineering Technology, Middlesex County College, 1996

Licenses and Certifications
Certified Professional Estimator (ASPE)

Certified Construction Manager, Middlesex County College

OSHA Competent Person Training: Confined Space, Trenching, Scaffolding

NJSAT Certification in Asphalt Paving Construction & Laboratory

ASPE: Estimating and Bidding 1 & 2

Construction Estimating Institute: Estimating Underground Utilities

Professional Memberships
American Society of Professional Estimators (ASPE)

 # Years Technical Experience
14

preparing time and material billings, and attending progress meetings.

Public Service Electric & Gas (PSE&G), Hudson Power Generating Station, Jersey City, NJ, Senior Cost Estimator

Glenn responsible for bidding on and managing various portions of an upgrade of PSE&G's Hudson Generating Station. Several projects were performed on a T&M basis so tracking of material usage, labor and equipment and submittal to the construction manager was crucial. Performed not-to-exceed estimates for the owner to assist them in budgeting. His duties also included solicitation, selection, and negotiation of subcontracts and larger material items such as concrete, reinforcing steel and anchor bolts. Once the project was awarded, Glenn's efforts were concentrated on getting it up and running by setting up purchase orders, subcontractor agreements, submittals, RFI's, etc. He scheduled rebar installer's activities, coordinated deliveries, stayed ahead of his operation by resolving engineering conflicts prior to work being performed. Coordinated electrician's and surveyor's activities. Performed QA/QC and document control duties. Processed applications for payment along with several other miscellaneous tasks with attention paid to the owner's strict safety requirements along with proper project documentation. The scope of work included demolition, utility relocation, excavation, backfilling, general services, etc.

Construction Schedules Resumes

Bassem Sinot Hanna

Senior Scheduler

Bassem S. Hanna has more than 25 years of experience in CPM scheduling, project controls, earned value management, project contracts and contract negotiations. Bassem oversees the development of schedule, budget and cost to complete data for assigned tasks, assembles and compiles schedule and cost data and inputs it into the project control database. He also supports the project management team in maintaining timely and effective change management processes, procedures and systems. He develops and maintains status reports, including labor productivity, schedule status and financial analysis during the bidding process. Bassem has supported multi-billion-dollar rail tunnel projects, including the $2.1 billion No. 7 Subway Line Extension. For this high-profile and complex project, Bassem manages the project controls team. He is responsible for developing and executing all phases of the project controls effort, including planning, scheduling and cost analysis. He analyzes, evaluates and forecasts project costs, as well as performance against an established baseline schedule with critical milestones.

Education:
BS, Civil Engineering, Alexandria University, Alexandria, Egypt, 1987

Coursework, Computer - Advanced of Basic, Alexandria University, Alexandria, Egypt, 1985

Registrations:
American Society of Civil Engineers

Professional Memberships:
American Society of Civil Engineers

Egyptian Society of Engineers

 # Years Technical Experience: 26

Metropolitan Transportation Authority, No. 7 Subway Line Extension, New York, NY, Project Controls Manager

Hill, in joint venture, is providing construction management services for the $2.1 billion construction extension of the No. 7 Line for the New York City Metropolitan Transportation Authority Capital Construction Program and the Hudson Yards Development Corporation. The project includes two bored tunnels with each diameter approximately 22.5 feet, 34th Street Station, and two interlocking structures which will be connected to the 34th Street Station. As Project Controls Manager, Bassem manages the project controls team. He is responsible for developing and executing all phases of the project controls effort, including planning, scheduling, and cost analysis. He analyzes, evaluates, and forecasts project costs, as well as performance against an established baseline schedule with critical milestones. He interfaces with clients, attends regular meetings, and provides statistical reports. He assesses the impacts of design and construction changes and schedule slippage and keeps project management fully informed of any issues that may affect the critical path.

Prior Experience

Construction Company, Various Projects, New York, NY

Bassem was responsible for the preparation and progress of all company

project schedules. He evaluated the project status using Earned-Value techniques and made recommendations to senior management to accelerate schedules and mitigate problems and delays. He prepared resource-loading schedules, cost, and budget controls for all major company projects. He also assisted senior management with contract negotiations and project claims.

MWH, Various Projects, Chicago, IL

Bassem was a member of MWH's Construction Management Tiger Team of Experts. The team is a group of select, season experts, in their designated field, that are highly trained to identify and mitigate construction problems and delays. He was also a member of MWH's committee to establish a standard, world-class project controls management system, which is completed and ready for testing on a pilot project. Representative projects follow.

Major Vietnamese Construction Corporation, Transmission Line Construction Project, Vietnam

Bassem performed scheduling and project controls advisory services for a $160 million civil and transmission line construction project, on behalf of a major Vietnamese construction corporation. He instituted cost control measures that resulted in cost savings of over $8 million.

Denver International Airport, CO

As Senior Project Controls Manager, Bassem prepared a master program schedule for a $1.2 billion aviation project at Denver International Airport. He also developed a plan to manage, expedite, and complete all activities in accordance with government-established project milestones.
vately developed hydroelectric project in India.

Public Works Rehabilitation Project, CA

Bassem evaluated the status and made recommendations for a rehabilitation program for a major California public works project. The adopted plan enabled the project to be completed on time and within budget.

Chicago North Branch Tunnel Project, Illinois, Senior Project Controls Manager.

As part of the massive Tunnel and Reservoir Plan (TARP) of Northern Illinois, Bassem performed quality control for the $167 million Chicago North Branch Tunnel Project. TARP was named by the USEPA as one of the nation's top Clean Water Act success stories, and is serving as a model urban water management tool worldwide.

Ebtesam "Sam" Afify

Scheduler

Ebtessam "Sam" Afify has more than 16 years of project control management experience working on both national and international projects. Her expertise includes accounting and cost engineering, planning and scheduling, claims analysis, project management and contract administration.

Sam's background also includes work plans, work breakdown structure (WBS) and all levels of schedules (project, control and detailed) for design and construction. She has also been responsible for schedule updates and maintenance including preparation of crushing and recovery schedules with extensive reporting to client and management on a weekly or monthly basis, preparation of progress payments, variations, cost estimates and bidding studies.

In addition, Sam's contractual experience includes preparation and administration applying international contracts such as FIDIC; as well as preparation of claims and responses to claims and counter claims. Her core competencies also include budgeting, forecasting, cost management and cost control management; time control management; process streamlining; key performance indicators (KPIs); earned value management (EVM); vendor relations; procurement administration; bidding study and evaluation: commercial management; spreadsheets and reporting; negotiation, team leadership; vision and goal setting; relationship building and collaboration. Her specialized computer skills include Primavera P3 and P6, Microsoft Project, SAP and AutoCAD. She is fluent in Arabic and English.

Metropolitan Transportation Authority (MTA) New York City Transit, MTA Scheduling Contract, New York, NY, Project Controls Engineer

Hill is providing on-call construction scheduling services for the New York Metropolitan Transportation Authority. Under the task order contract, Hill provides program and project schedule control support services and staff augmentation services for all phases of project design and construction. The MTA agencies that are expected to be supported under the contract include MTA New York City Transit, Metro-North Railroad and the MTA Bus Company. Sam provides scheduling services for this contract.

Education:
BS, Architectural Engineering, Banha University, Shoubra Faculty of Engineering, Cairo, Egypt, 1997

Coursework, Planning and Controlling - Primavera P6, Promastar PMI Provider, 2008

Coursework, Earned Value Managment, Project Management Institute, 2010

Coursework, Project Management Professional Training Course, Project Management Institute, 2010

Professional Memberships:
Egyptian Syndicate of Engineers

 # Years Technical Experience: 16

Ronald J. Backman

Senior Scheduler

 # Years Technical Experience: 40

Ronald J. Backman has more than 40 years of experience in project controls, planning, scheduling and cost controls for a wide variety of projects. He has also provided claims and delay analysis and accounting services. His specialized computer software skills include Primavera P3 and P6 and SAP 2010.

MTA New York City Transit, MTA Scheduling Contract, New York, NY, Scheduler

Hill is providing on-call oversight, monitoring and evaluations of all projects controls programs, construction scheduling services for the MTA. Under the task order contract, Hill provides program and project schedule control support services and staff augmentation services for all phases of project design and construction. The MTA agencies that are expected to be supported under the contract include MTA New York City Transit, Metro-North Railroad and the MTA Bus Company. Hill's responsibilities include schedule review and tracking for projects; assistance for the ACFO on project controls policies and procedures and monitor and evaluate all project controls programs and scheduling; maintain communication and support the interchange of information between the project and other involved agencies; act as liaison for scheduling group and project office to provide feedback and summary information regarding the projects and program schedules and manage internal controls.

Prior Experience:

Ronald served as Chief Planning/Scheduling Engineer, Project Controls Manager, Project Scheduling Supervisor, Senior Scheduling Representative, Scheduling Manager, Scheduling Supervisor, and Scheduler for the following projects.

Power

- Simple Cycle Power Plant-Devon, Milford and Middletown, Connecticut, NRG Energy, Houston, Texas, Senior Scheduling Representative.
- Indian Point U2/3, Entergy, White Plains, New York, Senior Scheduling Representative.
- AEP-Cardinal FDG Project, Black & Veatch, Kansas City, Kansas, Senior Scheduling Representative.
- Bridgeport Harbor Power Station Unit 3 Outage, PSE&G, Newark, New Jersey, Senior Scheduling Representative.
- Waterford Energy Facility - 850 MW IPP, PSE&G, Newark, New Jersey, Senior Scheduling Representative.
- Lawrenceburg Energy Facility -- 1100 MW IPP, PSE&G, Newark, New Jersey, Senior Scheduling Representative.
- Bergen Unit 2, 500 MW IPP Outage, PSE&G, Newark, New Jersey, Senior Scheduling Representative.
- Council Bluffs Unit #4 Super Critical Coal Fired - 800 MW, Hitachi America, Tarrytown,

New York, Project Controls Manager.

- Astoria Energy Project - 550 MW IPP, Astoria, New York, Plaza Construction, New York City, New York, Project Controls Manager.
- East River Repowering Project, New York City, New York, Durr Mechanical, New York, New York, Scheduling Manager.
- UCH Power Project, 586 MW Combined Cycle Cogeneration Project, China and Pakistan, Raytheon Constructors/Washington Group.
- KIAC Partners Cogeneration Plant, JFK International Airport, New York, New York, Crow Construction, New York, New York, Project Scheduling Supervisor.
- Waterford Unit #3, 1165 MW, Taft, Louisiana, EBASCO Constructors/Washington Group, New Jersey, Scheduling Supervisor.
- South Texas Projects Units 1 and 2, 1250 MW, Bay City, Texas, EBASCO Constructors/ Washington Group, New Jersey, Scheduling Supervisor.
- Big Hill Strategic Petroleum Reserve, Winnie, Texas, EBASCO Constructors/ Washington Group, New Jersey, Scheduling Supervisor.

Hudson-Bergen Light Rail Transit System, Lyndhurst, New Jersey, Raytheon Constructors/ Washington Group, New York, New York

For a $1.3 billion Design-Build-Operate-Maintain (DBOM) light rail system between Bayonne and Hoboken, Ronald responsibilities included:

- Bayonne Light Rail System. Ronald developed, with field supervision, the construction schedule for the rail system and platform installation from Bayonne to Hoboken.
- Newark Airport Light Rail System. Ronald developed, with field supervision, the construction schedule sequencing rail and platform installations at terminals, parking garages, and the tie-in to the existing New Jersey Transit System to New York City.

Metro North Station Upgrades, Crow Construction, New York, New York, Project Scheduling Supervisor

Ronald created and managed detailed engineering and construction schedules for station upgrades. He also reviewed weekly progress with the MTA.

Subway Communication Upgrade, Crow Construction, New York, New York

Ronald created a schedule showing the proposed integration of communication between the transit police, fire department and MTA.

Dereck C. Baker

Senior Scheduler

Education:
BS, Physics, Lincoln University, 2013

BS, Mechanical Engineering, Temple University, Philadelphia, Pennsylvania, 1991

 # Years Technical Experience: 22

Dereck C. Baker brings more than 22 years of experience and is an accomplished mechanical engineer, project manager, construction manager, project engineer and scheduler. Dereck has expertise in all aspects of engineering, construction, business management, project /construction management, general contracting, project controls, procurement, startup and commissioning. The value of the projects Dereck has provided services on range from $100,000 to $13.5 billion in Total Installed Costs. Dereck's responsibilities have included developing business plans, securing funding for business ventures and implementation of business plan goals. He also has proven record of accomplishment with setting up and implementing a structured field operation of project offices for the duration of project life cycles and managing and overseeing the work of general and trade contractors.

As an owner's representative on a number of high-profile projects, Dereck has established and maintained the metrics necessary for progressing and tracking the financial and productivity health of the engineering and construction work. He has also overseen the preparation and development of capital cost estimates related to the full scope of engineering, procurement, construction and construction management. In addition, Dereck's responsibilities include developing estimate budgets for engineering and construction projects; preparing and maintaining detailed engineering and construction schedules; developing and implementing Work Breakdown Structures; and developing project contracting plans; establishing cost control programs to document and report real and potential cost overruns to various levels of the clients and internal upper management teams. His specialized computer software skills include Primavera Project Planner, Primavera Expedition, AutoCAD, MicroStation and 3D Plant Design System.

Port Authority of New York & New Jersey (PANYNJ), World Trade Center (WTC) Downtown Restoration Program, New York, NY, Senior Planner/Scheduler

Dereck is responsible for developing and overseeing all aspects of the planning, sequencing and coordination support efforts for the critical MEP, building automation, low voltage and life safety systems. To accomplish this task, he works closely with the consortium of project and construction managers, construction trades, equipment and material vendors/suppliers, startup and commissioning members that

make up the WTC Construction Team. Due to his experience, he has been able to help make the WTCC Program a success and meet the complex and rigorous demands of this high-profile construction program. Dereck's expertise, leadership and guidance on the WTCC Program has been beneficial with the development of construction workarounds that have saved time and minimized impacts to the WTCC Program commitments.

Dereck also serves as a key liaison between the WTCC program management, construction management and contractors, and the MEP, low voltage and life safety systems construction trades. Dereck has developed a detailed activity coding and work breakdown structure flow diagram that categorized the WTCC Program into manageable segments for the program, construction management, construction trade teams to use, manage, track, monitor and report on construction efforts. This tool was critical to the development of the Master Program Schedule and fully integrating the many sub-schedules provided by the various subconsultants, contractors and stakeholders that make up the WTCC Program Team. Through his understanding and analysis of the key base system design documents such as the single-line, flow diagram and schematic basis-of-design drawings for the major mechanical (HVAC, piping and instrumentation), electrical (normal and emergency), automation, security, telecomm, radio and life safety systems, Dereck is able to assist and provide the necessary guidance in implementing the phased roll-out of the key systems.

Connecticut Department of Public Works (CDPW), Western Connecticut State University New Center for Visual and Performing Arts, Danbury, CT, Senior Scheduler

Hill is providing comprehensive project administration services during the design, procurement and construction phase. The $70 million, 134,000 SF facility is located on the University's West Side Campus and houses the University's music, art, theatre and performing arts departments. The facility includes a 300-seat concert hall, a 376-seat proscenium theatre and a 100-seat recital hall, as well as multiple technical production facilities, rehearsal spaces and dressing rooms required to support these venues.

New York City Department of Design and Construction (NYC DDC), New York City Hall Renovation Project, New York, NY, Senior Scheduler

Hill's services for this project include construction management, master schedule development and upkeep, contract document development, contract bidding and negotiation, quality and safety management and budget management and control.

The initial scope of work for the renovation entailed a series of independent building upgrades and enhancements designed to meet the new and evolving needs of the building's diverse occupants, as well as to comply with new fire and life safety codes. Preliminary design surveys conducted during the early developmental phases of the project, however, yielded that considerably poor building conditions, coupled with widespread structural deficiencies, demanded further additions to the scope of work, unexpectedly catapulting the project into a comprehensive rehabilitation program. The estimated construction cost is $104 million.

Artan Bytyci

Senior Scheduler

Education:
Associates, Computer Science, Polytechnic University of Tirana, Albania, 1994

BS, Engineering/Geology & Mining, Polytechnic University of Tirana, Albania, 1995

 # Years Technical Experience: 12

Artan Bytyci, a certified Quality Controller, has more than 12 years of experience in scheduling, project management and contract management for industrial, commercial and residential projects. He has served a variety of roles such as Chief Estimator, Bid Package Preparer and Coordinator and Project Scheduler. Artan is skilled in preparing buyouts with subcontractors and suppliers, preparing submittal packages and coordinating with architects for any discrepancies and possible change orders. He has contributed to notable projects as Scheduler for clients such as the New York City Department of Design and Construction (NYDDC). Artan is fluent in Greek and Albanian and has a working knowledge of Italian. He also specializes in Primavera P3, Suretrak, Expedition, AutoCAD, Quickbooks and Infopath computer software.

New York Metropolitan Transportation Authority (MTA), No. 7 Subway Line Extension, New York, NY, Project Scheduler

Hill, in joint venture, is providing construction management services for the $2.1 billion construction extension of the No. 7 Line for the New York City Metropolitan Transportation Authority Capital Construction Program and the Hudson Yards Development Corporation. The project includes two bored tunnels with each diameter approximately 22.5 feet, 34th Street Station, and two interlocking structures which will be connected to the 34th Street Station. The project also includes a future station at 10th Avenue, and required careful scheduling to accommodate a variety of stakeholders. Notably, this complex undertaking is currently ahead of schedule. As the Project Scheduler, Artan monitors progress, reports issues, and advises the project team accordingly.

Port Authority of New York and New Jersey, World Trade Center Downtown Restoration Program, New York, NY, Scheduler

Hill is providing program management services for the program, including the permanent WTC PATH Terminal and the WTC Site Public Infrastructure and Site Redevelopment. Artan provided scheduling services including creating new CPM schedules based on the program's requirements.

Dormitory Authority of the State of New York, Bronx County Hall of Justice, New York, NY

The new Bronx County Hall of Justice is an 11-story, 775,000 SF complex

that is located on a 2½-block site on East 161st Street near Grand Concourse. The first two floors above grade contain public services, including the jury assembly building, and the third through sixth floors contain 47 courtrooms of the Bronx County Supreme Court, which is New York's trial court. The seventh floor contains seven grand jury hearing rooms, and the eighth and ninth floors house district attorney offices and judges' chambers. The civic plaza covers a new underground parking structure for 240 cars. Artan was responsible for change order review.

New York Department of Design and Construction, City Hall Renovation, New York, NY, Scheduler

This project was an $150 million renovation of New York City Hall in Lower Manhattan. The renovations were throughout the structure, including exterior and roofing renovations, refinishing of its iconic steps, the installation of new electrical, fire, audio-video and heating, ventilation and air conditioning systems, modernization of its elevators, and the complete renovation of all interior spaces. Artan workscheduler during the preconstruction phase.

New York City Department of Design and Construction, Bronx Zoo Lion House, New York, NY, Scheduler

Hill provided construction management services for the reconstruction of the historic Lion House at the Bronx Zoo. The Lion House had not been used since the mid-1970s, and required major infrastructure work before it could safely be returned to service. The historic character of the building, including the many lion figures made from terra cotta, is being preserved. Artan provided scheduling services to the project.

New York City Department of Design and Construction, el Museo del Barrio, New York, NY, Scheduler

This was a museum renovation project, including the removal, reconfiguration and interior renovation of the existing museum public and gallery spaces, addition of a café and the interior renovation of the galleries, gift shops and renovation of the existing courtyard. As Scheduler, Artan monitored the progress, reports issues, and advises the project team accordingly.

New York City Department of Design and Construction, Queens Public Library Renovation, New York, NY, Scheduler

For this library renovation Hill is providing full pre-construction services including constructability review, final estimate, scheduling and bidding; construction period services and close-out, all in accordance with our CM-Build contract. As Scheduler Artan monitored the progress, reports issues, and advises the project team accordingly.

Christopher L. Carson

Senior Scheduler

Education:
BS, Electrical Engineering, Louisiana State University, 1968

Professional Memberships:
Association for the Advancement of Cost Engineering International (AACEI)

 # Years Technical Experience: 38

Christopher L. Carson has more than 38 years of project management and project controls experience including planning and scheduling, management oversight, claims and delay analysis, cost engineering, estimating and field engineering. His background includes projects in the government, healthcare, pharmaceutical, manufacturing, commercial, higher education, housing, power transmission, transit, water treatment, library, environmental and nuclear sectors.

Christopher co-authored a remote-hosted electronic mail and data transfer system for MS-DOS machines which was marketed worldwide. He also has more than 30 years of experience with PC programming and applications including project management software (Primavera P3, P6 and Expedition), Computer Guidance Corporation CMS, Finest Hour, Sure Trak, Microsoft Project, Artemis 7000, Project/2 and Open Plan.

MTA New York City Transit, MTA Scheduling Contract, New York, NY, Scheduler

Hill is providing on-call oversight, monitoring and evaluations of all projects controls programs, construction scheduling services for the MTA. Under the task order contract, Hill provides program and project schedule control support services and staff augmentation services for all phases of project design and construction. The MTA agencies that are expected to be supported under the contract include MTA New York City Transit, Metro-North Railroad and the MTA Bus Company. Hill's responsibilities include schedule review and tracking for projects; assistance for the ACFO on project controls policies and procedures and monitor and evaluate all project controls programs and scheduling; maintain communication and support the interchange of information between the project and other involved agencies; act as liaison for scheduling group and project office to provide feedback and summary information regarding the projects and program schedules and manage internal controls.

For Task Order #3, Christopher is providing scheduling services to the NYCT Division of Buses utilizing Primavera P3 and Oracle Primavera P6 r8.2. He monitors contractor schedule performance, evaluates additional work order extension of time requests; supports the construction manager and the NYCT construction management team. In addition, Christopher provides general planning and scheduling including construction duration estimates for NYCT

Capital Program master plans. His projects include:

- Mother Clara Hale Bus Depot, 148th Street and Lennox Avenue, Manhattan: design and construction
- Maintenance Shops, 207th Street, Manhattan: DC system renovation and replacement
- Pelham and Westchester Yards, The Bronx: yard lighting

Prior Experience

Public Service Electric and Gas (PSE&G) Project Integration Office, South Plainfield, NJ, Cost Controller

Responsible for providing project controls and cost engineering services for an engineering contract, Christopher prepared and maintained budgets, cost records, and financial performance data for Time and Material/ Not to Exceed projects under the Master Service Agreement. He also provided cost data to support the accounting department's preparation of monthly billings. In addition, Christopher monitored progress and tracked work performed on the individual projects under the Master Services Agreement.

New York City Rapid Repairs Project, New York, NY, Senior Scheduler

Christopher provided CPM scheduling services for emergency repairs to homes damaged in Hurricane Sandy. He also assisted the construction contractor to prepare CPM schedules utilizing Primavera P6 software. In addition, Christopher provided program schedule updates to the project management office.

New York City Department of Environmental Protection (DEP), Major Water Treatment Project, New York NY, Senior Scheduling Engineer

On the construction management team for a major water treatment project, Christopher provided scheduling support for three of the project's component contracts totaling $632.5 million. He also reviewed schedule submittals by contractors and provided analysis and comments concerning the quality and accuracy of the schedule to NYC DEP. In addition, Christopher prepared regular analysis reports to track contractor performance and prepared presentations for management.

New York Metropolitan Transportation Authority (MTA) Metro North Car Maintenance Facility, NY

Denver Rapid Transit Division (RTD) Light Rail System. Christopher directed, reviewed and participated in development of baseline CPM schedule using Primavera P3. He also monitored and provided oversight to project scheduling personnel to help ensure schedule updates were performed in accordance with company procedures. In addition, Christopher tracked project cash flow to help ensure that a positive cash flow position was maintained.

Danuta Gryszko, PSP, EVP

Scheduler

Danuta Gryszko has more than 16 years of scheduling experience in the construction industry. Her areas of expertise include delay and claims analysis; estimating; engineering; planning; and project and construction management. She has contributed to projects including power plants, schools, housing facilities, hospitals, highways and roads, bridges, tunnels and parks. As Scheduler, Danuta has worked with clients such as the New Jersey Schools Development Authority (NJSDA), the Pennsylvania Department of Transportation (PennDOT) and the New York City Department of Housing, Preservation & Development. She also specializes in Primavera 3, SureTrak, Claim Digger and Microsoft Project software in addition to speaking fluent Polish and working Russian and Ukrainian.

New York City Department of Design and Construction (NYCDDC) PLA Study, Renovation and Rehabilitation Projects for City-Owned Buildings and Structures, New York, NY

Hill was retained to provide a PLA study for NYCDDC. As Senior Scheduler/ Analyst, Danuta completed the economic analysis to determine the cost benefit analysis of implementing a PLA for eight DDC renovation and rehabilitation projects.

State University of New York at Buffalo, Education Opportunity Center PLA, Buffalo, NY

Hill was retained by the CM firm working on the Educational Opportunity School Building to provide a PLA cost analysis on the million dollar building. As Senior Scheduler/Analyst, Danuta completed the economic analysis for the Feasibility Study Report to determine the cost benefit of implementing a PLA.

Office of General Services (OGS), New York State Department of Labor, Schermerhorn Street State Office Building, Brooklyn, NY

For an office building rehabilitation designed to provide modern and efficient office environment for the DOL employees, special consideration was required for architectural and engineering concepts that would promote maximum usable floor space, energy efficiency and incorporate durable, easy-to-maintain systems and finishes. As Senior Scheduler/Analyst, Danuta completed the economic analysis for the Feasibility Study to determine the cost benefit of implementing a PLA for the renovation of the existing building.

Education:
MS, Mechanical Engineering, New Jersey Institute of Technology, 2008

Coursework, Physics, M. Copernican University, Torun, Poland, 1983-1989

Coursework, Mechanical Engineering, New Jersey Institute of Technology, 2004

Registrations:
Planning and Scheduling Professional

Earned Value Professional

Professional Memberships:
AACE

 # Years Technical Experience: 16

New York State Department of Transportation NY17/I-81 Interchange Reconstruction Project, Binghamton, NY

Danuta is the Senior Scheduler and Analyst for the Feasibility Study and Report to determine the cost benefit analysis and the appropriateness of implementing a PLA for the interchange reconstruction project. Danuta developed the project schedule and manpower loading for analysis and performed the economic analysis to determine the cost benefit of implementing a PLA for the interchange reconstruction analysis.

Jacob K. Javits Convention Center PLA, New York, NY

Danuta is part of the team to prepare a supplemental Feasibility Study for the 2009 General Project Plan. She is evaluating the collective bargaining agreements and preparing portions of the economic evaluation.

New York City Department of Housing Preservation and Development (HPD), New York, NY

Danuta completed the economic analysis to determine the cost benefit analysis of implementing a PLA for two HPD renovation and rehabilitation projects.

New Jersey Turnpike Authority, Statewide Traffic Management Center, Woodbridge, NJ

Hill provided construction management and inspection services for construction of the $25 million, three-level 26,350 SF facility. Danuta prepared a CPM schedule; coordinated work packages, created master schedule combining multi-contractor submittals, prepared monthly updates of the master schedule, prepared delay analysis and justified time extensions.

Prior Experience

Various Projects

As Project Scheduler, Danuta developed and maintained logic drawings and computerized CPM schedules, and updated and analyzed progress and potential critical areas. She developed the project schedule from conception through completion. She also prepared, administered and monitored project budgets and maintained them within specific CPM parameters. She controlled and reported costs and prepared impact analysis. Projects included:

- **Triborough Bridge Deck Replacement**
- **Jamaica Bay Bridge**
- **63rd Street Tunnel**
- **Various schools, hospitals, highways and parks**

Li-Ying (Jenny) Huang

Scheduler

Education:
BS, Construction Management, Polytechnic University, New York, 2006

Professional Memberships:
Construction Management Association of America

 # Years Technical Experience: 8

Li-Ying (Jenny) Huang has more than eight years of experience in project controls, cost estimating, change order review/negotiation, contract procurement, bid leveling, payment requisition processing and scheduling. Jenny is skilled in basic CAD drafting, building information modeling (BIM) and CPM scheduling. Her specialized computer software skills include AutoCAD, Aperture, ArcGIS, Bentley Microstation, Primavera Project Planner, MS Project and Sage Timberline Office. She also has experience in project management systems including Primavera Contract Management (formerly Expedition) and Aconex. She is also fluent in English and Chinese and speaks working Japanese. Prior to joining Hill, Jenny served as a field office intern for the New York City Department of Environmental Protection, Bureau of Environmental Engineering.

Jet Blue Terminal 5, JFK International Airport, OTG at JFK T5 Venture, LLC, New York, NY, Project Engineer

Hill provided owner's representative services for the interior fit-out of 22 individual food concession spaces located inside Jet Blue Terminal 5 at JFK International Airport. The development consists of various concessions located throughout the 635,000 SF terminal. Hill was responsible for contract administration, project controls, coordination of design issues with the design team and liaison between the owner and contractor. Jenny performed budget construction cost estimates and constructability reviews during the pre-construction phase of the project and coordinated the procurement of contractor bids and participated in contract negotiations. During the construction phase of the project, she worked alongside the client and architect on site to manage document control, change order review and approval, payment requisition review and generation of punch list items.

Hill International, Various Projects, Assistant Project Controls Manager/Scheduling

Serving as Assistant Project Controls Manager for Hill, Jenny prepares, reviews and approves project schedules and updates; performs schedule impact analysis of potential delays events; and prepares detailed reports based on the updated project schedule. In addition, she prepares quantity takeoffs for cost estimates, as well as review of contractor change orders. Projects include:

Bloom Energy Corporation, City Hall Fuel Cell Installation, New York, NY

Hill was contracted to provide construction management services to

Bloom Energy for the installation of a natural gas-powered fuel cell at New York City Hall. Hill's services included contract administration, supervising on-site construction and coordinating field activities, change order review and negotiation and development and updating of the project schedule. Jenny was responsible for document control, schedule updating, procurement of contractor bids for construction and the review and negotiation of contractor change orders. She also provided the client with periodic budget updates on the project costs, and processed monthly payment requisitions on behalf of the client to the City of New York.

New York City Department of Design and Construction (DDC), Renovation of City Hall, New York, NY

Hill is providing project and construction management services for the DDC in the rehabilitation and renovation of New York City's renowned City Hall. The federal-style landmarked building is undergoing structural repairs and upgrade of life safety and mechanical components. The $150 million project involves a series of building-wide infrastructure upgrades and enhancements throughout 70,000 GSF of the 200-year-old building. Work includes a new fire alarm and sprinkler system, new electrical service, replacement of existing elevator and restoration of the historic City Council Chamber and associated areas. The pre-construction services provided by Hill included design document constructability reviews, budget estimating, site logistics planning and procurement of 12 separate prime contracts for the project. During construction of the multiple-phase project within a partially occupied building, Hill was in charge of overall site supervision, field coordination, budget management, change order review and negotiation, CPM schedule review and updating and monitoring of subcontractor compliance with MWBE requirements as well as the Project Labor Agreement. Jenny was responsible for managing all aspects of document control for the project including set up of the project's web based project management system. She also coordinated the procurement of contractor bids, conducted bid leveling reviews, participated in the development of the site logistics plan, performed change order review and negotiations, reviewed and processed monthly payment requisitions and provided the client with periodic budget updates for the project.

Baron S. Marshall

Senior Scheduler

Education:
BS, Architecture Technology, State University of New York at Buffalo, 1992

 # Years Technical Experience: 30

Baron S. Marshall has more than 30 years of scheduling and cost control working projects valued from $14 million to $1 billion. Baron's expertise includes CPM scheduling, delay and claims analysis, project management and communications engineering. His background also includes application of project cost, earned value management and resource loading for scheduling; analysis of CPM Float Paths to report results and implement solutions; and identification of problems and delays in order to recommend viable scheduling solutions.

Baron's projects include expansion of major thoroughfares in Kingston and Montego Bay including bridges and drainage works, expansion and modernization of a cement plant, inner city housing, public school construction, road improvement programs, airport and transit station rehabilitation and an indoor arena. He is skilled in the application of specialized CPM software, specifically Primavera Project Management 6.2. Baron's specialized computer skills also include Primavera Contract Manager (Expedition). Baron speaks fluent English, working Spanish and limited French.

MTA New York City Transit, MTA Scheduling Contract, New York, NY, Scheduler

Hill is providing on-call oversight, monitoring and evaluations of all projects controls programs, construction scheduling services for the MTA. Under the task order contract, Hill provides program and project schedule control support services and staff augmentation services for all phases of project design and construction. The MTA agencies that are expected to be supported under the contract include MTA New York City Transit, Metro-North Railroad and the MTA Bus Company. Hill's responsibilities include schedule review and tracking for projects; assistance for the ACFO on project controls policies and procedures and monitor and evaluate all project controls programs and scheduling; maintain communication and support the interchange of information between the project and other involved agencies; act as liaison for scheduling group and project office to provide feedback and summary information regarding the projects and program schedules and manage internal controls.

Prior Experience

Construction Consulting, New York, NY, Scheduling Consultant
Baron provided scheduling consultancy to construction companies and trained personnel in basic scheduling principles and techniques.

JFK Airport, Terminal 1, New York, NY, Scheduler
For this $1-billion project, Baron updated monthly project schedules and was responsible for logic and schedule performance at the Airside East Concourse and Alterations. He also updated the owner with monthly schedules, narrative reports and manpower charts.

New York City Transit, Atlantic Avenue Station Rehabilitation Project, Scheduling Consultant
For this $120-million project, Baron developed official project schedules.

Thomas H. Wilson, Jr., PSP

Senior Scheduler

Education:
BS, Construction Engineering Technology, Spring Garden College, 1980

Registrations:
Planning and Scheduling Professional

 # Years Technical Experience: 31

Thomas H. Wilson Jr. has over 31 years of scheduling and cost control experience. He is skilled in construction management, engineering, claims analysis, estimating, inspecting, management consultation, planning and scheduling. Serving as Senior Scheduler and Assistant Estimator, Tom has contributed to many educational, justice and medical facility; transportation; railway; vehicular bridge; wastewater; and structural building projects. His clients include the New Jersey Turnpike Authority (NJTA) and the Pennsylvania Department of General Services (PA DGS). Tom also specializes in Project Management System, Primavera Project Planner and Oracle/P6 software.

New Jersey Turnpike Authority, Facilities Improvement Program, NJ, Scheduler

Tom serves as scheduler and project controls lead for the NJTA Facilities Improvement Program. Hill is providing program management services for the New Jersey Turnpike Authority's five-year, $350 million Facilities Improvement Program. Under our contract, Hill will manage all phases of final design and construction and will assist the NJTA in the management, oversight, coordination and reporting of activities. A focus of our work is evaluating the Authority's processes and recommending improvements to the NJTA's facilities construction procedures.

Federal Railroad Administration (FRA), Transbay Terminal, Scheduler

The purpose of this workshop was to perform an in-depth review of the project to ensure that the bid documents for Phase 1, including the train box and the transit center building, were adequately developed, that the cost estimate and schedule reflect the bid documents and were within budget and that the Grantee organization and procedures were in place to successfully complete construction and bring the project into operation. Tom's responsibility on this assignment was to review the project master schedule and ascertain whether the summary schedule risk model was an acceptable model to be used for the risk survey.

Federal Transit Administration (FTA), Blue Line Extension (BLE), Scheduler

Tom's responsibilities on this assignment were to review the project master schedule and assess utilization of the entire project schedule as the basis for the risk model and analysis. From that he was tasked with the following and prepared sections of the report based on FTA OP-34 and OP-40 guidelines.

- Discussion of specific "reasonable" and technical aspects of schedule build
- Identification of Potential Schedule Risks
- Schedule Risk Model
- Review of Schedule Structure and Activities

The analysis and risk model was executed utilizing Oracle/Primavera P6 and Pertmaster Risk assessment software.

Prior Experience

Metropolitan Transportation Authority (MTA) Long Island Railroad (LIRR), Woodside Station Rehabilitation, NY, Project Controls

Providing Project Controls, Tom managed the project cost loaded distributed control system (DCS) schedule supplied by the contractor. The project included demolition of platforms and installation of new ones, installation of five new elevators, expansion of the mezzanine level, replacement of the existing escalator, platform relighting and new electrical services, installation of tactile warning strips, relocation and construction of four stairs, removal of concrete, bridge widening, new pedestrian ramps and signage, and removal of lead paint and minor amounts of asbestos. His duties also included preparation of in-depth monthly reports for the construction manager, along with direct reporting to the LIRR of the numerous changes made by the contractor during the updating process.

Hudson-Bergen Light Rail Transit System (LRTS), NJ, Scheduling Engineer

As Scheduling Engineer utilizing *Primavera P3*, Tom was the scheduling engineer for this multi-discipline design effort, working with team engineers to develop the design schedule. His duties involved meeting with various team engineers, assimilating the information, transforming it into scheduling data, processing it, and then reviewing it with team leaders for correctness and conciseness. Upon finalization, the completed computerized baseline schedule was submitted to the client for additional input or comment. All team engineers and the externally concerned parties updated the project design schedule monthly. This information was also provided to the team in the form of a monthly status report, with a 3 1/2" diskette provided to the client for their review. This provided the team with areas of concern and actions required to maintain or accelerate in order to meet the mandatory completion date.

Southeastern Pennsylvania Transportation Authority (SEPTA), Manayunk Bridge, Philadelphia, PA

Tom provided value engineering, cost estimating, CPM scheduling, and other design support services for the remedial A/E design for this historic preservation project.

Southeastern Pennsylvania Transportation Authority (SEPTA), Manayunk Bridge, Philadelphia, PA

Tom provided supplemental inspection and conformance services for this historic preservation project.

Anthony L. Duca, PMP

Senior Scheduler

As a Senior Scheduler, Anthony L. Duca, PMP, provides expert training, project controls and CPM scheduling services. He has over 20 years of specialized experience in the design, development, and delivery of advanced Primavera Project Management Software. Tony previously served as a Training Consultant for Primavera Systems, Inc., the developer of the project management software. His proficiencies in training, information technology, technical support, customer service, and project management, allow him the ability to install, implement, teach, and develop CPM schedules for complex design and construction projects utilizing both the web and client applications.

Education
B.S., Education, West Chester University, 1994; New Jersey Institute of Technology, Construction Management Certificate, 2009

Licenses and Certifications
Project Management Professional (PMP); Certified Primavera Trainer (CPT)

Professional Memberships
Project Management Institute

 # Years Technical Experience
21

The Port Authority of New York and New Jersey, Port Street and Brewster Road Widening and Realignment Project, Newark, NJ, Senior Scheduler

Tony was responsible for the development of the baseline schedule and maintenance of updates. This project included the realignment and widening of Port Street, the realignment of the north entrance/exit to Newark Liberty International Airport and the installation of a retaining wall along Brewster Road to accommodate the widening of Port Street. In addition, the project included the relocation of traffic signals, signs, lighting, and the installation of a new bus stop convenient to Port Street and Brewster Road.

Port Authority of New York and New Jersey, Elizabeth Port Authority Marine Terminal, Newark, NJ, Senior Scheduler

Tony is responsible for CPM Scheduling services, including the development of the baseline schedule with follow-up monthly progress updates to the baseline schedule. Consistent with the goals of the North Avenue/McLester Street curve realignment, the proposed widening of McLester Street would add a traffic lane in both the northbound and southbound directions, replace a temporary signal installed under the North Avenue East/McLester Street curve with a permanent signal, improve timing on four traffic signals to coordinate the new traffic patterns on the roadway, and add jug-handle turns to control u-turn and left-turn movements.

Port Authority of New York and New Jersey, North Avenue East Improvement Project, Newark, NJ, Senior Scheduler

Tony was responsible for CPM scheduling services. This task included the development of the baseline schedule. In addition, Tony provided follow-up monthly progress updates to the baseline schedule. This project represented the third and final phase of the North Avenue East

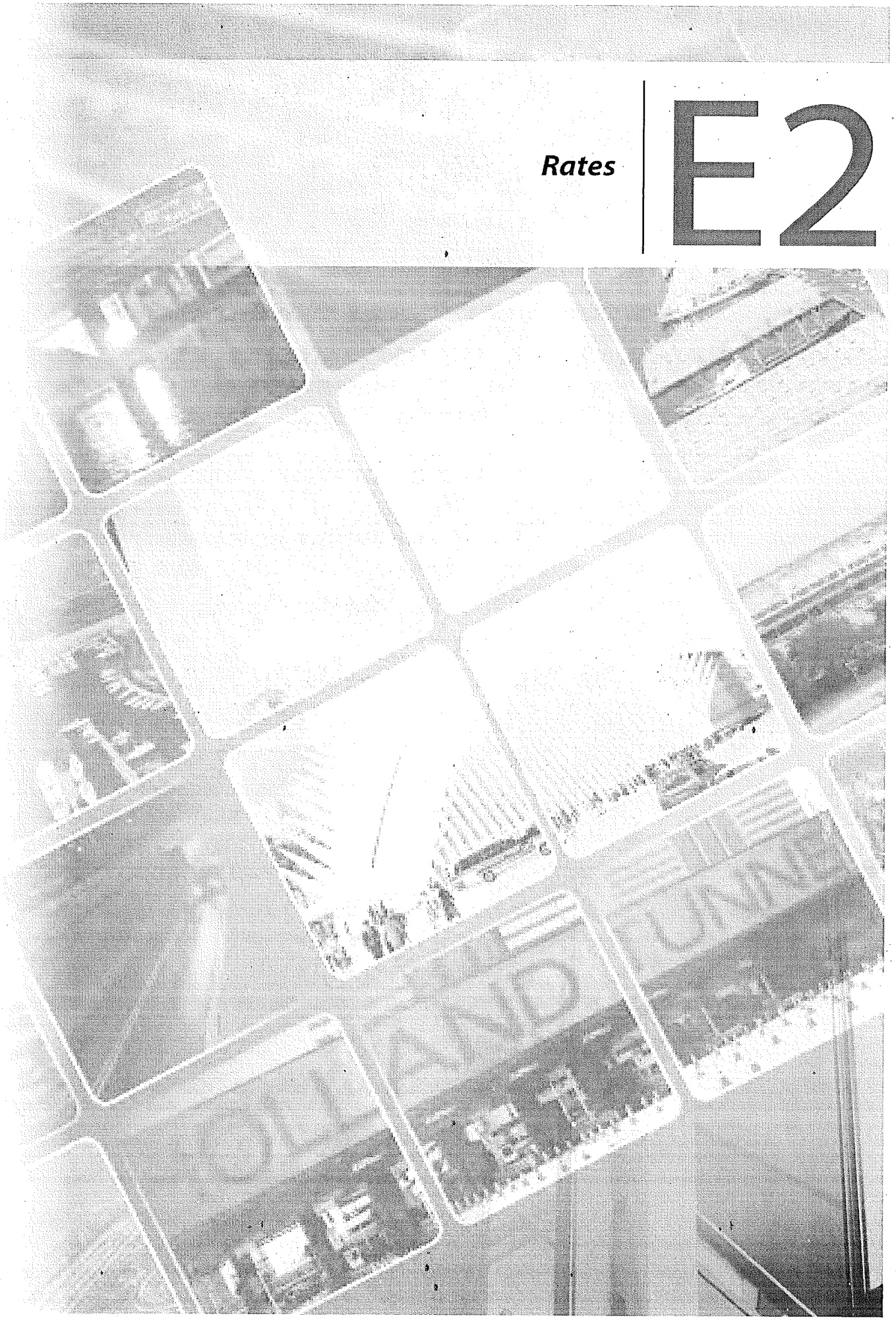
Improvement Project. It consisted of the widening and realignment of the intersection of North Avenue East and McLester Street at the Elizabeth Port Authority Marine Terminal to enhance vehicle safety, improve traffic flow, and accommodate the expected growth in port activity. This final widening project completed all currently planned roadwork by PANYNJ on McLester Street.

NJ Transit, Portal Bridge Capacity Enhancement Construction Management, Secaucus, NJ, Senior Scheduler

The Portal Bridge Capacity Enhancement Construction Management Project was undertaken by Amtrak and NJ Transit and aims to improve and increase the capacity of this vital rail crossing. Tony provided consulting services to train and implement Oracle® Primavera P6 and Primavera P6 Web for the Portal Bridge Project. Tony's responsibilities included defining and documenting schedule review procedures using Primavera P6 Web customized training for Primavera P6. As a certified Oracle® Primavera Trainer, Tony also assisted NJ Transit in writing "standard" contract specifications for the use of Contract Management and Primavera P6 on all construction contracts associated with the Portal Bridge Project.

Rates

E2



Rates

Listed below are the names, titles and rates for our proposed staff.

Name	Title	Rate as of 1/1/2015
John Milano, PE [H]	Project Executive	$175.00
George H. Keeber, PE [H]	Project Director	$99.00
Jose Diaz, PE [H]	Senior Project Manager	$94.71
George Duda, PE [H]	Senior Project Manager	$88.46
Edward J. Fox [H]	Senior Project Manager	$71.31
Brian Baldeo, PE [H]	Resident Engineer - Mechanical	$54.00
Edmund C. Williams [H]	Resident Engineer - Electrical	$55.00
Matthew Barboni, PE, RLA, LEED AP [H]	Resident Engineer - Structural	$45.43
Luis G. Cortes [H]	Resident Engineer - Civil	$48.78
Brandi Louise Napier [H]	Inspector - Structural	$30.77
Andrew C. Belding [H]	Assistant Project Manager	$40.11
Matthew G. Honeywell, LEED GA [H]	Office Engineer	$35.33
Anthony M. Rinaldi [H]	Office Engineer	$30.00
Kurt Buettler [E]	Office Engineer	$30.00
James R. Grundhoffer, PE, CPC, CCM [H]	Lead Engineer - Civil	$97.00
John D. Swartzwelder [H]	Senior Engineer - Mechanical	$83.00
Zachary Stern [H]	Engineer - Structural	$40.00
John H. Lehman, PE [H]	Senior Mechanical Engineer	$88.94
Peter B. Turton, PE [H]	Senior Project Manager	$95.00
Manuel De La Hoz [H]	Engineer - Mechanical	$65.62
Bethoven C. Torio [H]	Engineer - Electrical	$43.58
Marc S. Zaretsky [H]	Lead Contracts Manager	$80.00
Calvin A. Lee [H]	Senior Contracts Manager	$77.00
Suzanne B. Schwartz [H]	Contracts Manager	$42.91
Raymond Tom, AIA, LEED GA [H]	Estimator	$71.00
Gregory D. Burgess [H]	Estimator	$46.05
Fides J. Gardiner [H]	Estimator	$60.00
Francis M. Murphy [H]	Estimator	$53.50
Glenn Selover [E]	Senior Estimator	$47.95
Bassem Sinot Hanna [H]	Scheduler	$76.00
Ebtesam "Sam" Afify [H]	Scheduler	$55.00
Ronald J. Backman [H]	Senior Scheduler	$52.00
Dereck C. Baker [H]	Senior Scheduler	$76.26
Artan Bytyci [H]	Senior Scheduler	$61.40

Name	Title	Rate as of 1/1/2015
Christopher L. Carson [H]	Senior Scheduler	$52.20
Danuta Gryszko, PSP, EVP [H]	Scheduler	$62.50
Li-Ying (Jenny) Huang [H]	Scheduler	$43.00
Baron S. Marshall [H]	Senior Scheduler	$54.60
Thomas H. Wilson, Jr., PSP [H]	Senior Scheduler	$63.46
Anthony Duca [E]	Senior Scheduler	$61.77
Ali Miah [A]	Resident Engineer - Electrical	$55.00
Raymond C. Kallberg, PE [A]	Resident Engineer - Mechanical	$60.00
Richard S. Kruter, AIA [A]	Resident Engineer - Mechanical	$65.00
Ron Dasgupta, PE, LEED AP [A]	Resident Engineer - Mechanical	$65.00
Ashish Sengupta, PE [A]	Resident Engineer - Civil	$65.00
Olulade Ademokun, PE [A]	Senior Inspector - Structural	$45.00
Ardash Meguerdichian, CIPE [A]	Senior Inspector - Mechanical	$65.00
Phil Tropea [A]	Inspector - Civil	$55.00
Luis Nina [A]	Inspector - Civil	$45.00
Ed Bonventre [A]	Inspector - Electrical	$58.00
Melvin Douglas [A]	Inspector - Electrical	$65.00
Jamie Agpalo [A]	Inspector - Mechanical	$45.00
John Bowman [A]	Inspector - Mechanical	$50.00
Kulbinder Singh, LEED AP [A]	Inspector - Mechanical	$50.00
Raja Anupindi [A]	Inspector - Mechanical	$48.00
Michael Neil [M]	Inspector - Structural	$37.00
Daniel Ridulfo [M]	Inspector - Structural	$35.00
Mircea Petrescu [M]	Inspector - Structural	$37.00
Olusola Olatunbosun [M]	Inspector - Structural	$37.00
Wilmar Giraldo Jaramillo [M]	Inspector - Structural	$36.00
Danilo Guilas [M]	Inspector - Structural	$37.00
Nikhil Chintanippu [M]	Inspector - Structural	$36.00
William Castaneda [M]	Inspector - Structural	$35.00
Stanford Pereira [M]	Inspector - Structural	$37.00
Mark Pantke [M]	Inspector - Structural	$37.00
Sanjay Parajuli [M]	Inspector - Structural	$45.00
Ho Won Kim [M]	Inspector - Structural	$45.00
Giorgi Khardzeishvili, PE [D]	Project Manager	$57.69
Vikas Patel [D]	Inspector - Structural	$32.69

Name	Title	Rate as of 1/1/2015
Yazan Yanes [D]	Inspector - Structural	$20.43
Maulik Patel, EIT [D]	Inspector - Civil	$21.63
Rati Mandzulashvili, EIT [D]	Inspector - Civil	$23.08
Manish Patel [D]	Inspector - Civil	$30.77
Terrance Hampton [D]	Inspector - Civil	$28.37
Nancy Oliver [D]	Inspector - Civil	$30.05
Sarjit Shah [D]	Office Engineer	$20.43

Company Compensation Plan and Policy

Workweek

For purposes of timesheets we operate on a workweek that begins at 12:01 a.m. on Sunday and continues for one hundred sixty-eight (168) hours until 12:00 Midnight Saturday. The usual work schedule is a standard forty (40) hour Monday through Friday schedule. Offices are normally closed on Saturdays, Sundays, and designated holidays. International offices will observe the accepted local work schedule, unless Hill's corporate office requires otherwise.

Each location, however, may modify its regular schedule to accommodate its client's needs and hours of operation. The workday for employees in the field is usually dictated by the requirement of the project where the employee is assigned, and is subject to change as the location or client changes.

Payments of Wages

Paydays are on the 15th and last day of each month. If a regular payday falls on a weekend or company-recognized holiday, employees will be paid on the preceding workday. Pay for full-time salaried employees are always current. Pay for part-time employees, overtime, and any leave without pay are a pay period behind due to the need to collect and process timesheet information to determine actual pay.

If the Company receives a request or an order to garnish an employee's wages, the employee will automatically be sent a copy of the request or order. Employees whose paychecks are regularly mailed to their homes and whose paycheck fails to arrive in a timely manner, or employees who lose or misplace their paychecks must notify the Payroll Department in writing, and wait five (5) working days from the date of the issue before a stop payment will be issued by the Payroll Department, and a new paycheck will be issued. The employee must notify the Payroll Department in writing by completing a Replacement Check Affidavit Form (available from Employee Self-Service).

An employee may access their paystubs by using the link to access those documents: https://sourceselfservice2.ceridian.com/hill. The Username is your five digit employee number (numbers

only, no letters). Your password, if logging in the first time, will be the last four digits of your social security number. If you have accessed the site previously, you should use that password to access the site. If you have difficulties logging in, please contact Hill's Payroll Helpdesk at payrollhelpdesk@hillintl.com.

Exempt Employees Pay

It is Hill's policy to comply with the provisions of the Fair Labor Standards Act and state wage and hour laws. In accordance with these laws, and except as permitted by these laws, exempt employees are paid on a salaried basis, regardless of the number of hours they work in a given workweek. However, exempt employees need not be paid for any workweek in which they perform no services for the Company. It is Company policy to make deductions from the weekly salary of an exempt employee absent from work only as described below:

- When an exempt employee is absent from work for a full day for personal reasons, personal sickness, or disability and has no paid time off (PTO) or vacation available for the absence, the employee's salary may be reduced for each full day of absence.
- During an exempt employee's first and last weeks of employment, the employee will be paid only for the days he or she actually works.
- When an exempt employee is suspended for a full day or more for violation of one or more workplace conduct rules, the employee's salary will be reduced for each full day of suspension.
- When an Exempt employee is suspended for any period of time for infractions of safety rules of major significance, the employee's salary will be reduced in accordance with the period of suspension.

Overtime

Depending on the Company's work needs, employees may berequired to work overtime. For purposes of determining which hours constitute overtime, only actual hours worked in a given workday or workweek will be counted. Vacation time, PTO and Company holidays will be counted as hours worked; however, Leave Without Pay ("LWP") will not be counted as hours worked. All overtime work must be previously authorized by a supervisor. However, the Company provides compensation for all overtime hours worked by non-exempt employees in accordance with state and federal laws. Exempt employees may often have to work hours beyond their normal schedules as work demands require. No overtime compensation will be paid to exempt employees. The only exception to this is where the payment of overtime to employees is required by a specific client contract and the client approves the actual payment. In these situations only exempt employees working on the specific contract may be compensated for their overtime as required in the applicable client contract. If during the week of a client holiday which is not a Hill holiday, an exempt employee will be paid for all billable hours worked. Refer to Section 504 Holidays.

In these situations there are specific forms that must be completed and approved by the Senior Vice President responsible for the project and then sent to Payroll to provide notification and authorization.

Holidays

All active full-time employees are entitled to certain holidays with pay each year. The following holidays are observed at all United States Hill locations:

- New Year's Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Thanksgiving Friday
- Christmas Day

If any of these holidays fall on a Saturday, the holiday will be observed on the preceding Friday; if any of the holidays fall on a Sunday, the holiday will be observed on the following Monday. Employees working outside of the United States may have a different holiday schedule, which will be published at each local office. Employees assigned to work at a client's office or at a project job site may have a holiday policy different from the above as dictated by the client. In these situations the established client holiday will apply.

In the event that a client has a holiday on a normal work day for Hill, the employee must go to the closest Hill International office or work from home as it is not a holiday, but a work day for that employee. In the event a non-exempt and/or prevailing wage employee is scheduled to work on a Hill holiday, they will be paid for the holiday and any hours worked.

To be paid for a designated holiday an employee must have been scheduled for, and worked on the workday immediately preceding and immediately following the holiday unless either, or both, of those days is a vacation or Paid Time Off (PTO) day. Employees unable to satisfy this requirement due to illness must present a doctor's note when they return to work to receive holiday pay. Employees on vacation when a holiday occurs will receive the holiday pay, and the holiday will not be charged as vacation. Employees on short term disability, long term disability, or workers compensation will not receive pay for a holiday. The last day actually worked is the effective termination date for employees terminating service with the Company. Those individuals will not be permitted to use either vacation or PTO days after that date in order to receive holiday pay.

Relevant Experience

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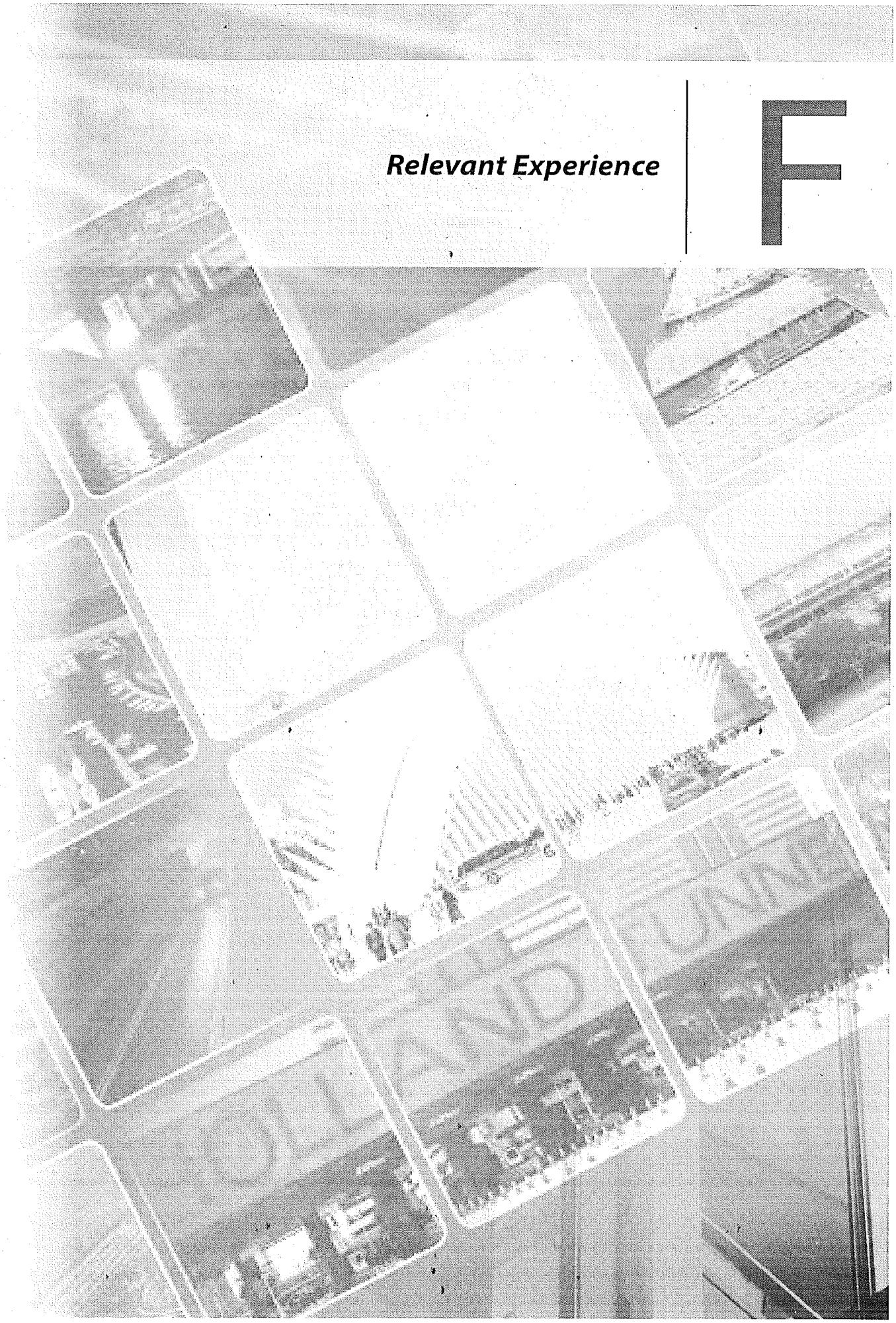


Relevant Experience

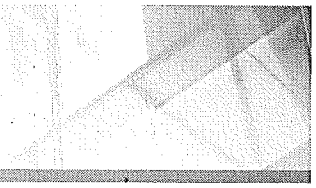
We know the unique requirements of specialized construction and the sound principles and practices that apply to all program and construction management projects. We bring the right experience, proper approach and level of effort, and appropriate staff to successfully complete any project. The following pages contain projects that we have worked on or are currently completing that we believe reflect our expertise,for many unique requirements.

Hill's comprehensive team can manage multiple parks projects from planning through construction and can become cost-effective extensions of your staff. Construction on today's parks requires highly experienced multidisciplinary teams with a broad range of construction expertise to effectively manage capital programs. We have provided similar services for numerous clients throughout the nation.

Hill has an abundance of direct relevant experience and these projects demonstrate our ability to coordinate multiple prime contractors, manage site logistics and implement QA/QC and safety programs. Hill has managed an abundance of on-call or term contract projects. Hill's range of resources has been instrumental in our ability to staff these assignments. For many firms, term contracts represent "side" work, they are a perfect complement to the full range of services Hill offers and have therefore have become a core component of our business. In fact, Hill has extensive experience in providing personnel for many different kinds of term contract assignments.

Some of our task order based contracts are outlined in the table below.

Project	Description
New York Power Authority Energy Service Projects	Hill provided services to NYPA on an as-needed basis for selected energy services and distributed generation projects.
NYPA Estimating Scheduling	On-Call estimating and scheduling services for NYPA. Second consecutive on-call contract set to run through 2019.
NYPA Staff Augmentation	Hill provides construction management staff to NYPA on an as-needed basis. These staff members augment NYPA's staff.
PANYNJ On-Call Superstorm Sandy Support	Estimating services for various Superstorm Sandy related support services.
NYCDDC Term Requirements Contract (On-Call)	Construction management and consulting services on a requirements, or task order, basis for projects citywide.
State University of New York Southern Region On-Call	Hill provides on-call construction management services to multiple facilities through SUNY's on-call contract. Projects have included the Sojourner Truth Library and the Nold Locker Rooms.
MTA Long Island Rail Road GEC On-Call	Hill is providing estimating services as an extension of LIRR staff in support of the 20 Year Needs/Development of 2010-2014 LIRR Engineering Projects. Projects have included station rehabilitations, substations, positive train control system, track, signals, bridges, tunnels, high tension, third rails and shops and yards modifications.
PATH On-Call Services	Expert professional planning, project management and related services as requested on a call-in basis.
PANYNJ On-Call for Various Facilities	Provide Construction Management and Inspection Staff as required for the performance of various PANYNJ facilities.
DASNY Construction Management Services -Term	Our term requirements contract with DASNY includes projects for the City University of New York and the Office of Mental Health. We provide construction management on an as-needed basis.

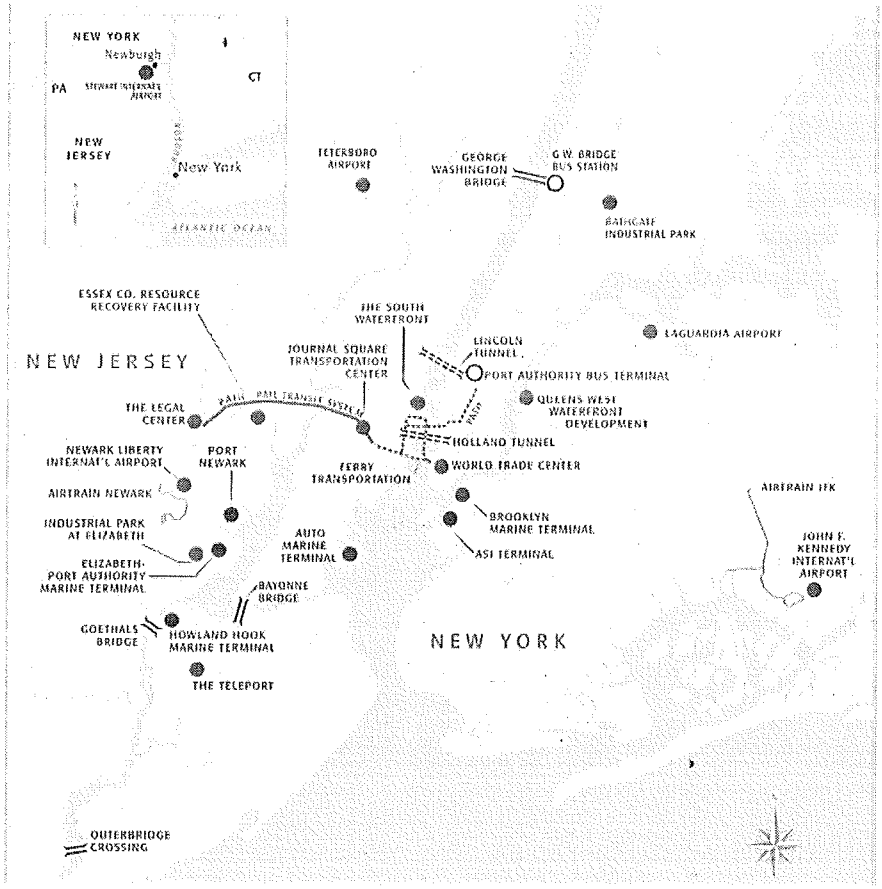


City of New York Department of Parks and Recreation	Through a term requirements contract, Hill provides construction management services for the City of New York Department of Parks and Recreation (DPR) to manage the construction or renovation of Parks projects within the five boroughs of New York City. Hill has provided continuous staffing on numerous construction improvements totaling $350 million.
NYCSCA	NYCSCA hired Hill to provide supplemental professional staffing services to their project management group under successive contracts. The types of projects included building of 200 new schools as well as renovations, upgrades and additions to existing schools

Project profiles for selected experience within the past three years are included in this section.

Superstorm Sandy Support Services

New York and New Jersey



Client:
Port Authority of New York and New Jersey

Services:
Construction Management
Estimating

Total Project Value:
$300+ Million (on budget/ task order basis)

Project Completion Date:
Ongoing (term contract/ on schedule)

Owner Contact:
Christopher Spillman
Project Manager
PANYNJ
212-435-5526
cspillman@panynj.gov

As part of the ongoing program management services being provided to the Port Authority of New York and New Jersey (PANYNJ), is a diverse organization responsible for managing a wide array of transportation facilities in the states of New York and New Jersey. Hill has provided numerous support services to the PANY&NJ under this estimating on-call contract. These services include:

Cost Estimating Services

Hill provided estimating services to identify the costs related to replacement "in kind" and/or "codes and standards replacement," as directed by PANYNJ. Hill inspected storm-damaged facilities; recorded observed damage; prepared field reports to document damaged conditions, provided approximated quantities of damaged materials,

and reviewed and evaluated third-party assessments. Hill utilized the existing conditions information and created scope templates that were used for estimating damage costs for FEMA negotiations.

Resident Engineer/Inspection Field Documentation Services

Hill inspected storm-damaged facilities; recorded observed damage, prepared field reports to document damaged conditions, provided approximated quantities of damaged materials, and reviewed and evaluated third-party assessments. Hill utilized the existing conditions information and created scope templates that were used for estimating damage costs for FEMA negotiations.

Claim/Insurance/FEMA Management Services

Hill coordinated and interfaced with the insuring entities and FEMA to establish proper protocols to make certain that consistent and uniform procedures were established and maintained for processing official claim submissions.

Airport Facility Value Engineering (VE) Assignment

Hill provided an in-depth VE working session with the Port Authority's aviation team to identify potential cost savings on a billion dollar aviation project. The goals of the study were to identify airside, landside, terminal building, infrastructure, and construction planning and design alternatives that may offer first-cost or life cycle cost benefits and/or improve project quality. The VE study identified the three large planning issues (construction phasing, roadside circulation, and terminal configuration relative to landside access) that can have substantial impacts on the project budget, schedule, and functionality. The VE study evaluated ways to relax or provide alternative ways for continuity of operation during construction and thereby reduce phasing complexity and duration.

Holland Tunnel Assessment

New York, NY

Client:
Port Authority of New York and New Jersey

Service:
Inspection
Cost Estimating

Total Project Value:
Accepted Fee: $567,000
Actual Fee: $560,000

Completion Date:
2014 (on-schedule)

Owner Contact:
Kevin Chang
Chief Mechanical Engineer
Engineering Department, PANYNJ
212-435-5526
kchang@panynj.gov

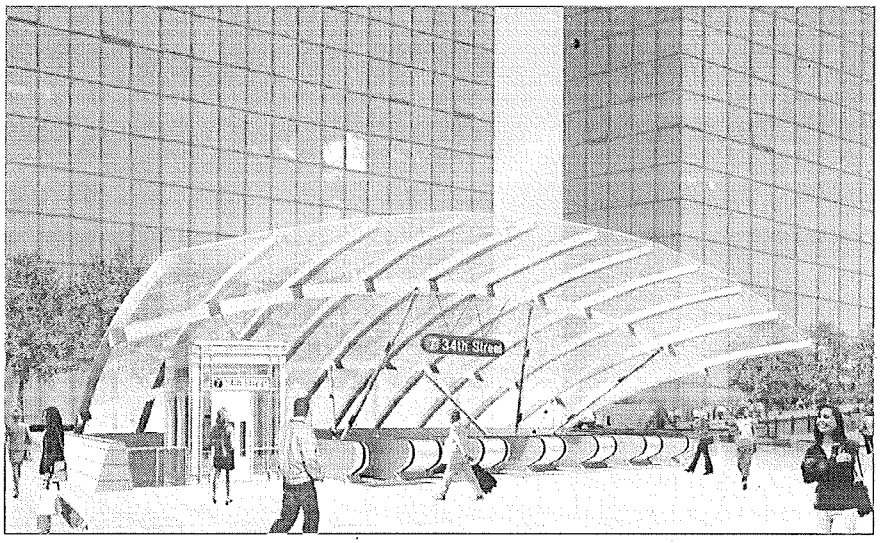
As part of the ongoing program management services being provided to the Port Authority of New York and New Jersey (PANYNJ), Hill performed a visual assessment of the Holland Tunnel for damages related to Superstorm Sandy. The tunnel was inundated by a seven- to nine-foot storm surge that impacted a wide range of structure and systems. Hill assessed the condition of 19 systems including structural elements, electrical systems, pump rooms, wall tiles, roadway elements, catwalks and ventilation ducts. Order of magnitude cost estimates were prepared for the 19 impacted systems. Each cost estimate developed by Hill was based on site inspection and development of a scope describing the recommended repairs for each of the 19 systems assessed.

Repair costs related to Superstorm Sandy were differentiated from non-Sandy related costs. In addition, latent damages from Superstorm Sandy were identified. Worksite access impacted the order of magnitude cost estimate. Hill worked closely with the PANYNJ to develop a worksite access schedule that minimized impacts to tunnel operations during construction. Flood mitigation measures were also recommended. Mitigation measures included relocation of critical control systems, backup power and strategically placed flood barriers.

The assessment is being used by the PANYNJ to secure funding from FEMA for Superstorm Sandy related repairs to the tunnel. We are presently supporting the PANYNJ in its FEMA coordination effort.

No.7 Subway Line Extension

New York, NY



Client:
Metropolitan Transportation Authority (MTA)

Service:
Construction Management

Total Project Value:
$2.4 Billion (on budget)
Phase 1: Under Budget

Completion Date:
2016 (on-schedule)
The Project overall is on schedule, and 11-month ahead of schedule for the first Contract

Operational Service day
Estimated: 12/31/2013
Actual: 12/13/2013

Owner Contact:
Ronald Pezik
Program Manager
MTA
[redacted]

The $2.4 billion No. 7 Subway Line Extension project will provide transit access to the West Side of Manhattan, including the Jacob Javits Convention Center, by extending the No. 7 Line westward from Times Square under West 41st Street and southward along 11th Avenue to the southerly terminus at West 25th Street. The planned extension provides 9,432 feet of tunnel to accommodate a two-track railroad with two lay-up tracks for storage of three trains each. The extension also provides a two-track terminal station on 11th Avenue at West 34th Street. The No.7 Subway Line Extension will transform the Hudson Yards into vibrant 24-hour neighborhood containing a mix of commercial, residential, retail, and recreational uses while enhancing the vitality of New York City as a whole.

The scope of work includes two 22.5-foot-diameter bored tunnels and a station structure (34th Street Station) approximately 66 feet by 960 feet, extending about 110 feet below ground level. Two interlocking structures, constructed in rock-by-mining method, will be connected to the 34th Street Station structure. The new extension includes six cross passages to connect the two running tunnels, and underpinning and structural modifications of the existing 8th Avenue subway structure will be performed. The project also involved approximately 215,000 cubic yards of cast-in-place concrete for underground concrete structures, along with associated logistics, waterproofing and quality assurance/ control required for their placement.

The Hill/LiRo/HDR Joint Venture is responsible for providing construction management services during all tunneling work and during construction of all facilities and infrastructure including track, and rail systems and stations. We are also providing project controls services throughout the project duration using an earned value management system (EVMS) integrated with Primavera resource/cost-loaded schedule software, to closely monitor the program schedule and budget, and Constructware document controls software, to organize the program documents. Revenue is expected to be generated by the end of 2013, and all construction work is anticipated to be complete by mid-2015.

In the 50-year history of billion projects for the MTA, this project is the first to be both under-budget and ahead of schedule. In addition, the project received the 2013 Construction Project of the Year award from the New York State Society of Professional Engineers (NYSSPE) for outstanding professional engineering efforts in developing creative solutions and innovative technologies in construction of an infrastructure project.

On-Call CM/GEC Services

Newark, NJ

Client:
New Jersey Transit

Services:
Construction Management
Estimating

Total Project Value:
$260 Million (projects completed on-budget)

Completion Date:
Ongoing: Currently working under 6th contract. (Ongoing, projects completed on schedule)

Owner Contact:
Kerry Donovan
Senior Construction Program Manager
NJ TRANSIT
[redacted]

Hill provided on-call Construction Management/General Engineering Consultant (GEC) Services on a task order basis for various New Jersey Transit (NJT) projects. Currently working under our sixth contract, Hill successfully completed five task order contracts on a variety of NJT projects, including renovation of existing and the construction of new passenger stations and systems.

As NJT's CM/GEC, Hill's services were provided on an on-call basis. The range of assignments included construction management, design and constructibility reviews, scheduling, cost estimating, construction administration, site inspection, shop drawing review, change order and claims assistance. Representative assignments included:

- Frank R. Lautenberg Intermodal Facility Soil Improvement
- Newark City Subway Broad Street Extension MOS-1
- Newark City Subway Track Rehabilitation
- Claims Avoidance Support Services for the Hudson Bergen Light Rail Transit System (HBLRTS)
- Newark City Subway (NCS) Signal Modernization
- Newark City Subway (NCS) Overhead Contact System (OCS)
- Branchbrook Park Station
- Newark City Subway (NCS) Penn Station Traction Power Negative Return
- Assessment of Potential Construction Claims (Southern New Jersey Light Rail Transit System (SNJLRTS)
- Bergen Tunnel Reconstruction
- Hackensack River Bridge Fender Repair
- Newark Penn Station Modernization
- NJCL Woodbridge Train Station Rehabilitation
- Rehabilitation of the NJCL Avenel Station

Estimating and Scheduling Services

New York, NY

New York Power Authority (NYPA) is the country's largest state public power organization, producing some of the cheapest electricity in North America. Their 17 generating facilities and over 1,400 circuit-miles of transmission lines produce the power to help sustain more than 380,000 in the state of New York. More than 80 percent of NYPA's electricity is produced from clean, renewable hyrdropower. In addition, NYPA operates and maintains a large number of local service yards and facilities to support customer needs.

Hill was recently awarded an On-call contract to continue to provide estimating and scheduling services. For this contract, Hill serves as a point of contact with NYPA. We interact directly with NYPA's project manager to; determine the scope of each assignment, prepare Hill's proposal for the work, supervise the work effort and make certain that the work is completed within the agreed to budget and schedule. Assignments completed under this agreement include review of the master schedule for a new chilled water plant at the Rikers Island Correctional Facility in Queens, NY and the preparation of an independent engineers estimate for mechanical work at CCNY in Manhattan. Hill's schedule review resulted in identification of critical path and near critical path activities that had a high probability of slipping. We also determined that the percentage of critical path activities was high potentially resulting in a delay. Our preparation of the engineers estimate for the CCNY project identified areas where the contractors costs appeared to be high. In both cases, NYPA used Hill's comments to negotiate with the contractor resulting in a more realistic schedule and cost. Our past contracts have included:

Hunts Point Facility, Bronx Borough, NYC. Hill assisted the NYPA Engineering Department by developing and providing construction cost and estimating services for the replacement of existing fuel cell units, gas processing units and cooling modules with larger capacity units. The estimates also included new electrical switch-gear, underground piping for the fuel cells, conductor for the switch-gear and other required site work at the Bronx facility yard.

Centre Street Facility, Manhattan Borough, NYC. Hill was requested to provide fair and reasonable costs for a new high pressure boilers and other related equipment for two design scenarios at the plant expansion. The scope of Hill's services also included estimating of underground steam lines, supply piping and condensate return piping underground to and from the centre street facility in Manhattan.

Client:
New York Power Authority

Service:
Estimating
Scheduling

Dollar Value:
Various
Hunts Point Facility
- $8.2 Million
Centre Street Facility
- $7.6 Million
On Budget

Completion Date:
Ongoing
Hunts Point Facility - 2009
Centre Street Facility - 2013
On Schedule

Owner Contact:
Robert Bradford
Manager Mechanical Engineering | Energy Efficiency
NYPA
[redacted]

Management Approach

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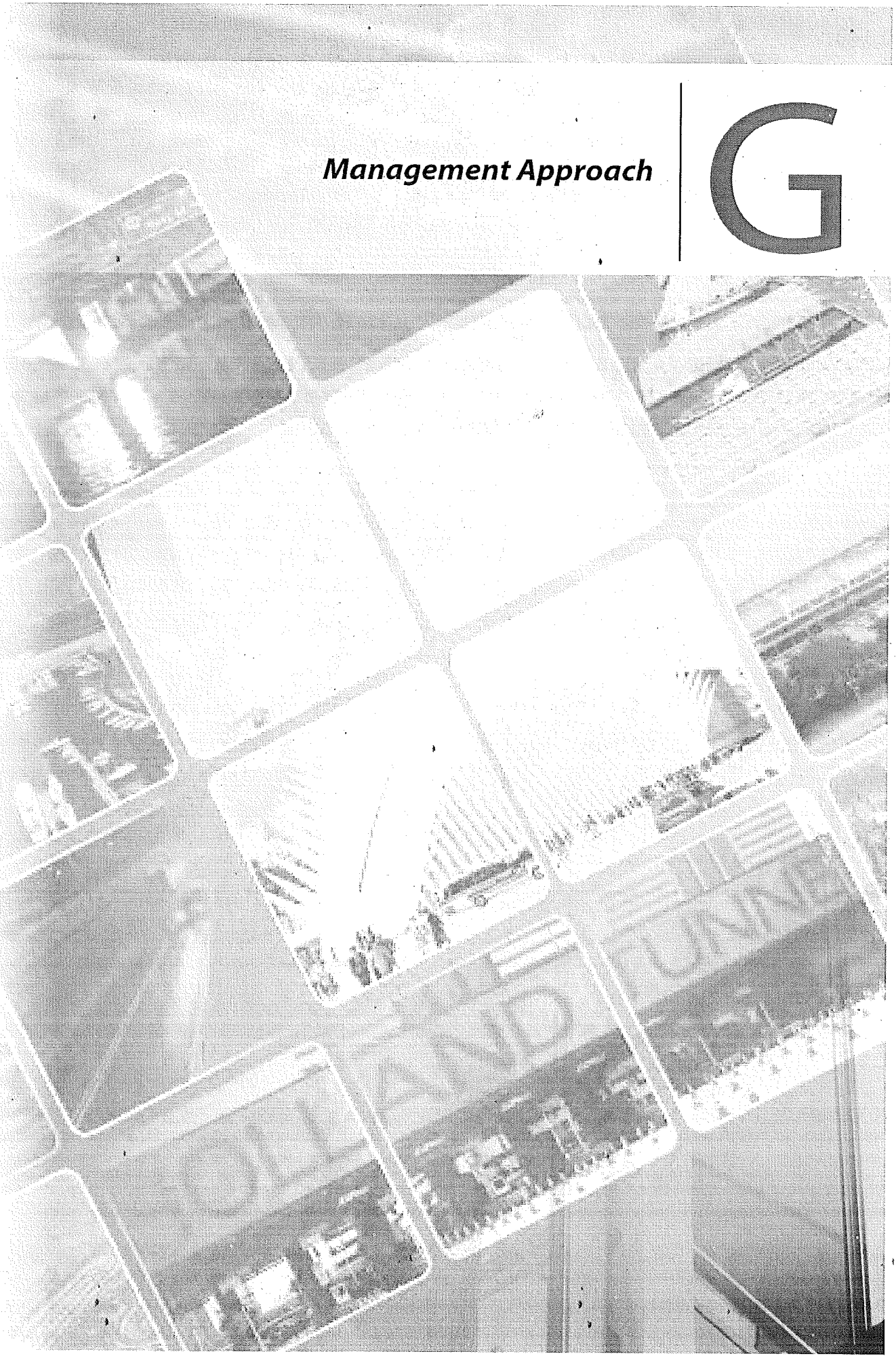


Proposed Management Approach

The Port Authority of New York and New Jersey (Authority) is seeking experienced firms/consultants that can provide expert professional construction management and inspection services, on a "call-in basis" for projects at various Authority facilities. Competitive Task Orders will be issued and the expected services include inspection services, constructability reviews, contract administration, and estimating and scheduling.

Approach to Performing the Required Services

Task A. Constructability/Biddability and General Engineering Review

The Hill International, Inc. team (Hill) will perform constructability reviews, operational analyses, value engineering reviews and design reviews geared toward minimizing costs and ultimately leading to the development of construction documents that minimize adverse impacts to the Authority. Constraints to the construction process must be clearly identified within contract documents and designs must be developed to permit construction operations to proceed within those constraints.

We will mobilize immediately upon receipt of NTP and focus on a thorough review of the project documents prepared to-date for constructability, maintainability and claims avoidance. The Construction Industry Institute (CII) defines constructability as "the optimum use of construction knowledge and experience in planning, design, and procurement and field operations to achieve the overall project objectives." This concept emphasizes that experienced construction personnel need to be involved with the project from the earliest stages to make certain that the construction focus and their experience can properly influence the owners, planners, and designer, as well as material suppliers. Constructability input is intended to supplement and enhance the design effort to make certain that the final design is complete, cost-effective and constructible.

Our goal is to work with the designers to produce high-quality, cost-effective design documents that can be constructed in the field without unnecessary cost or project delays, and without sacrificing quality. We will partner with the design team, the Authority, and other stakeholders involved in the project. Communication is the key to this effort. Through this partnership we will work with the design team to develop clearly defined constructible documents. Reviews will be performed by a team of individuals with extensive field experience, as well as a clear understanding of the project's goals, the constraints of the project site and the concerns of the operating facilities such as railroads, airports, ports and terminals, tunnels, surrounding communities, and the various regulatory agencies involved in the project. We would focus on early issue resolution, enabling constructability issues to be identified regardless of the status of the design documents. This proactive approach can save the Authority and the design teams significant time and cost by avoiding unnecessary design revisions later in the process. Bid documents that provide the contractor a comfort level produce less change orders and lower, more competitive bids.

The Hill team will advise the Authority on a variety of issues, such as construction feasibility and practicality, selection and availability of materials, availability of required labor, time requirements for procurement and construction activities, construction procedures, selection of systems and components, site use and claims avoidance. These reviews will include an assessment of drawings, specifications and engineering calculations that will allow us to provide advice on construction methods, materials and equipment requirements and availability, subcontractor availability, cost schedule, claims avoidance and safety. Constructability reviews will assess how each project can be built economically within given site constraints and market conditions in addition to ensuring efficient contract sequencing and the preparation of biddable construction packages. This will be particularly important when complicated staging and phasing of construction is required. Since most construction claims emerge from incomplete, ambiguous or unworkable contract documents, early constructability reviews and technical coordination help clarify ambiguities and help protect the Authority's interests.

Task B. Construction Staging

Construction staging is the art and science of defining and managing the transportation of material, equipment, and personnel—management in support of the construction activities.

Staging, phasing and logistics start at the onset of the project and assist with the planning and design of the project. The Hill team will develop plans addressing the project's requirements for control of material, traffic, site security, utility services, facilities, safety, and construction staging. This planning will coordinate the work in and around construction zones to mitigate impact on the surrounding communities and allow for optimum construction progress.

The construction staging methodology and sequence will be developed to confirm constructability of the proposed design. Once a construction contract is awarded, the contractor may sequence the construction in a way that may not conform exactly to the conceptual methodology and sequence described in its staging plan, but which best utilizes the materials, equipment, and personnel available to perform the work. While the contractor will be allowed some flexibility, any changes to construction sequencing or schedule will need to minimize impacts to each facility's operational requirements during construction.

The Hill team is uniquely qualified to manage development of the construction staging plan for the project. Our unique combination of relevant experience, public and private sector exposure, previous and current participation in large, highly visible projects and dedication to excellence, will provide the Authority with the correct tools to complete this project, safely, on time, and within budget.

Port Authority of New York and New Jersey (PANYNJ), Superstorm Sandy Support Services. As part of the ongoing program management services being provided to PANYNJ, Hill is currently providing support services for Superstorm Sandy storm damage for Aviation, Bridges and Tunnels, PATH, Port Commerce and Ferries for the Port Authority Engineering Department. Services include senior management claim recovery services, resident engineering and inspection field documentation, cost estimating services and claims, insurance and FEMA management services.

Task C. Schedule Development and Monitoring

Our team will provide project schedules that integrate design efforts with construction requirements. The schedule will reflect all regulatory interfaces and critical path interdependencies. We will provide regular schedule updates including construction activities and durations, processing of shop drawings and submittals, and long lead procurement items.

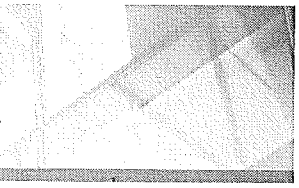
Hill's scheduling services effort starts with the review of the scheduling specifications in the contract documents. Our cost-loaded CPM schedule would include all significant activities, relationships, dependencies, critical submittals, and events involved in the construction of the project along with a written schedule narrative. The Hill team believes that the development of the CPM schedule should start at the time of award and that the preliminary cost schedule be approved prior to the start of construction. The team will review the project schedule and monthly updates to confirm that activities comply with their respective milestone dates.

The Hill team has hands-on Authority experience preparing detailed construction and a tailored Integrated Master Schedule (IMS) for each of the various projects at the World Trade Center site.

We will continually review, monitor actual progress, and resource usage, and record it against planned logic, sequencing and quantities installed to identify deviations from the approved schedule. At regular intervals we will review the progress updates from each contractor and contract package. After validating progress during this period, we will perform more intensive CPM analysis techniques to fully analyze the progress update to evaluate the project status, manage schedule risk, evaluate changes to the baseline, and offer expert response to the data provided. We will work with the Authority to drive the project to a successful conclusion through focus, communication and action. The Hill team has hands-on Authority experience preparing detailed construction and a tailored Integrated Master Schedule (IMS) for each of the various projects at the World Trade Center site. These projects include the Authority's World Trade Center Transportation Hub, the new Freedom Tower, the Memorial Museum, the Vehicular Security Center and Tour Bus Parking Facility, the chiller plant, streets/utilities, parking facilities and tenant retail.

Task D. Quality Assurance Inspection

Our team will maintain a competent full-time staff at each project site for the purpose of coordinating and providing general direction for the work and progress of the contractors. They will observe that the materials and equipment being incorporated into the work are handled, stored, and installed properly and adequately, and are in compliance with the contract documents for this assignment. We will help guard against defects and deficiencies and advise the Authority of any deviations, defects or deficiencies the team observes in the work.



Our observation/inspection duties include duediligence to discover work that is not in compliance with the contract documents. Our team will review the contractor's recommendations for corrective action on observed nonconforming work. The Hill team will make recommendations to the Authority in instances where we observe work that, we believe is defective or not in conformance with the contract documents. The team will observe the contractor's work to verify that all authorized changes are properly incorporated in the project and we will report to the Authority regarding the status of such activity and provide a written record of the same. Our Quality Assurance Inspectors will keep a daily log containing a record of weather, the contractors working on the site, number of workers, work accomplished, problems encountered, and other relevant data or such additional data as the Authority may require.

Task E. Contract Administration

Contract administration is a service that construction managers provide within its scope of services. The services grouped under "Contract Administration Services" include a mixture of tasks such as general administration, submittals, site visitation, administration of testing and inspection, supplemental documentation, administration of changes in the work, interpretations and decisions, and some of which are more in the realm of construction on-site project representation, payment certification and project closeout. Contract changes that occur during construction are inevitable. These changes may be caused by a variety of factors such as design changes, additional work elements, or unforeseen site conditions, encountering previously unidentified utility conflicts and/ or hazardous materials. Our approach to managing the schedule and the changes and avoiding impacts to the project budget involves close cooperation with the Authority and application of the following elements:

- **Early notification and communication.** Continuous communication between the Authority and our team enables pending changes and unforeseen conditions to be known immediately by all parties allowing for the resolution and mitigation process to begin expeditiously.
- **Cooperative planning.** Contract changes must be addressed in the spirit of partnering. The Authority and our team will work cohesively to determine the best method of implementing contract changes to minimize project costs.
- **Review for potential design changes to minimize project impacts.** Often, changes associated with encountering unforeseen site conditions can be mitigated or eliminated through design modifications. We will examine potential change situations for this opportunity.
- **Schedule accommodation.** Each change will be assessed for schedule impact and provisions will be made to accommodate the change within the original project schedule, if at all possible.
- **Fair and open negotiations.** A successful partnering relationship will enable the Authority to negotiate contract changes fairly and openly. We are committed to providing the Authority with all documentation required to evaluate change order pricing.

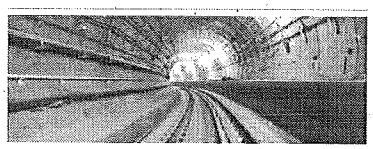
Additionally, if the Authority uses a change control database to manage the paperwork and the approval process of contract changes, we would expect to adopt this same system. If not, we will propose a system that utilizes a database application for data management, process control and reporting. We also strongly recommend the use of a Change Control Board (CCB) in the event that the number and magnitude of contract changes becomes significant. A by-product of the change control process is documentation of any changes to scope, time or cost. We will implement a process designed to communicate these changes to all affected parties and to trigger the modification of current configuration data (drawings, specifications, data systems) in a controlled manner such that the most current information is available to all parties at all times.

Task F. Cost Engineering / Estimating Services

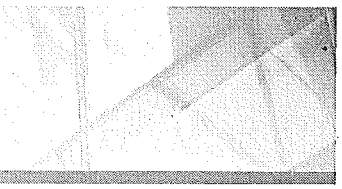
The Hill team will provide the Authority with estimating, bid evaluation, special cost reports, cost-benefit analyses, value engineering and claims analysis services. During the preconstruction phase of a project the team will prepare estimates through design development. For the Bidding Phase we will review/confirm or recommend revisions to the existing project documentation including conceptual design documents and completed cost estimates, if any; provide cost estimates organized into separate trade contracts, as approved by the Authority; review cost estimates submitted by any specialist consultants and Construction Manager. For Peer Reviews we will advise the Authority on the accuracy of content, scope of work and the pricing of the cost estimates submitted by specialist consultants and Construction Managers when design development documents have reached completion. The team will also perform Life-Cycle analyses and reconcile the Authority's estimate with the estimate prepared by the Construction Manager.

During construction, the team will review contract documents including shop drawings and shop drawing modifications to verify that materials are correctly estimated in change orders and verify that the designer or Engineer of Record (EOR) has approved them to be in accordance with the specifications; review MEP and structural engineering shop drawings that may be affected by change order work for coordination and verify that the EOR has approved any modifications; direct photographers taking photos of the site so that photographic evidence of site conditions and the progress of the work are available to support change order negotiations and claims; prepare estimates for change orders; support change order negotiations; bundle all supporting data for a change order into a file which includes contract drawing(s) and specifications, shop drawings, site photos and contractor time and material tickets; and prepare estimates as needed during closeout.

The Hill team provides detailed estimates from the schematic design phase through 100% construction documents. Each



MTA, No. 7 Line Subway Extension. Hill, as part of a Joint Venture, is providing construction management and project controls services for this $2.4 billion project. To date, we have estimated more than 200 change orders worth over $13 million for the project. We are also providing project controls using an earned value management system and Constructware document controls software. In the 50-year history of billion dollar projects for the MTA, Phase 1 of the project was the first to be both under-budget and ahead of schedule.



estimate developed follows stringent industry standards and meets applicable federal, state and local jurisdictional requirements and guidelines. Our goal is to provide estimates with the greatest accuracy possible. At any level of estimate Hill always takes the detailed approach. The team will use On-Screen Takeoff (OST) to produce its quantity surveys. By using OST we can provide detailed quantities for each drawing to create an ease of quantity comparison (if requested) and pin-point accuracy of the takeoffs. Any discrepancies can be specifically determined immediately. Each item that is surveyed is taken off to its smallest element. Our approach does not group items to create a larger quantity i.e. concrete footing – we will take off the excavation, formwork, concrete purchase, reinforcing bar and finally the concrete pour. This allows the estimate to have its greatest accuracy rather than combine the takeoff into one concrete footing and pricing the item as such. The Hill team has used this approach successfully when preparing Superstorm Sandy related cost estimates for many of the Authority's facilities including the Holland Tunnel, NY and NJ Marine Terminals, JFK, La Guardia, and Teteboro Airports, and the Staten Island Bridges. Hill also developed a comprehensive cost model that incorporates all of the capital costs for the World Trade Center site programs, valued at more than $12 billion. The model uses a WBS system that allows queries of multiple elements to generate task-specific reports, allowing management to make informed decisions as the programs have developed from conceptual design through the construction phases.

Once all items are quantified we will price them separately; we use many sources—RS Means, up to date quotes, Blue-book and most importantly the Hill Database—to provide the Authority with the most accurate prices. The Hill team Estimating Database is a compilation of over 60,000 items for many different types of projects and locations. Hill dedicates a specific individual employee to constantly update the database and add new items as each project is being estimated. Throughout each year we enter in thousands of new items, update thousands more, and remove from the historical database many items that are obsolete. This constant database massage allows the Hill team to have real time data that is unlike any other construction firm's data.

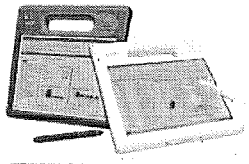
In the beginning of a project, we will work with the Authority to create a Work Breakdown Structure (WBS) specific to the project. We will also work with the scheduling team so that the schedule matches the WBS. This will also provide a cost of this work item directly from the estimate. Using this method the estimator can allocate labor hours to specific construction activities within the schedule. Therefore the construction management team can determine, given the crew size, whether the duration for each activity shown in the schedule is accurate compared to the estimate.

Task G. Resources

Staff Augmentation- Not all of today's organizations have the internal resources to handle every type of assignment. The Hill team's experienced project managers, construction managers, engineers, architects, designers, schedulers, financial analysts, contract administrators and other professionals are readily available to staff virtually any type of project at any phase. The specific teams are developed based upon the unique needs of each individual assignment and are available for durations that range from days to years. Our professionals take a results-driven yet cooperative approach to meeting our clients' goals; this two-pronged methodology effectively complements existing permanent staff throughout the globe.

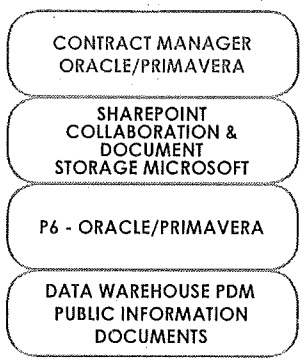
Approach to Being Responsive to the Client's Needs

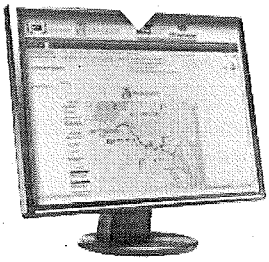
In order to fulfill the Authority's goals and objectives for this assignment, the understanding and methodology for task order based assignments is described below. The project activities will commence with notification by the Authority that it is requesting a Task Order Proposal for a project. Hill's Project Director will prepare the Task Order Proposal, inclusive of project-specific staffing, (CM) costs and a project-specific schedule based upon the project's plans and specifications developed by the Authority's selected design team. This will allow the Program Director to develop a management strategy to guide the project from inception to a successful conclusion. To aid in the preparation of the Task Order Proposal, the management team will visit the site to become familiar with all site-specific conditions, inclusive of swing space needs, worksite access including after-hours work, mechanical systems and location(s) of any hazardous materials. We would then submit the Task Order Proposal to the Authority. Following the review and approval of the Task Order Proposal, we will commence its project-specific activities. Upon notice to proceed, the team will immediately commence its preconstruction phase activities inclusive of constructability review, estimating, scheduling, photograph documentation, value engineering, and building department and/or other expediting for the project. We will immediately mobilize project personnel and prepare project-specific work plans and procedures to guide all team members. We will conduct a project-specific orientation to make certain all personnel are conversant with the project scope and contract documents for the project. We believe in an up-front approach and will recommend the involvement of all affected entities at the beginning of the project to pave the way for smooth communication during construction and start-up.



Deliverables Tracking System

Hill uses Primavera's Contract Manager as its primary tool to track and log project deliverables. Primavera Contract Management (PCM) provides accurate and up-to-date information which is always accessible. It provides dashboards with key performance indicators (KPIs) and powerful reports to prevent minor issues from becoming major problems. With a personal dashboard, owners can review the latest project status, see new issues, and identify potential problems. With two clicks, one can access the project details necessary to make decisions and keep projects on schedule. PCM is a document management, project cost management and project controls solution that provides visibility into contractor performance, enables timely payments, facilitates collaboration, and streamlines contract and document administration. By using PCM Hill will provide its project team with a consistent approach to paperwork which allows access to important information. This minimizes project delays, project risks and cost exposure and accelerates completion time.





Approach to Keeping the Client Appraised of the Project Status

Close coordination will be maintained through good communication and problem-solving skills. We will bring all the diverse parties together to resolve open issues. Specific tools such as user coordination workshops, design/constructability reviews, "issue/action" tracking, and follow-up are examples of the resources Hill employs to resolve technical problems. Problem-solving during design is handled to produce predictable and positive results. Our Project Manager, George will be the Authority's primary point of contact throughout the life of the IQC.

Approach to Help Ensure the Quality of the Work

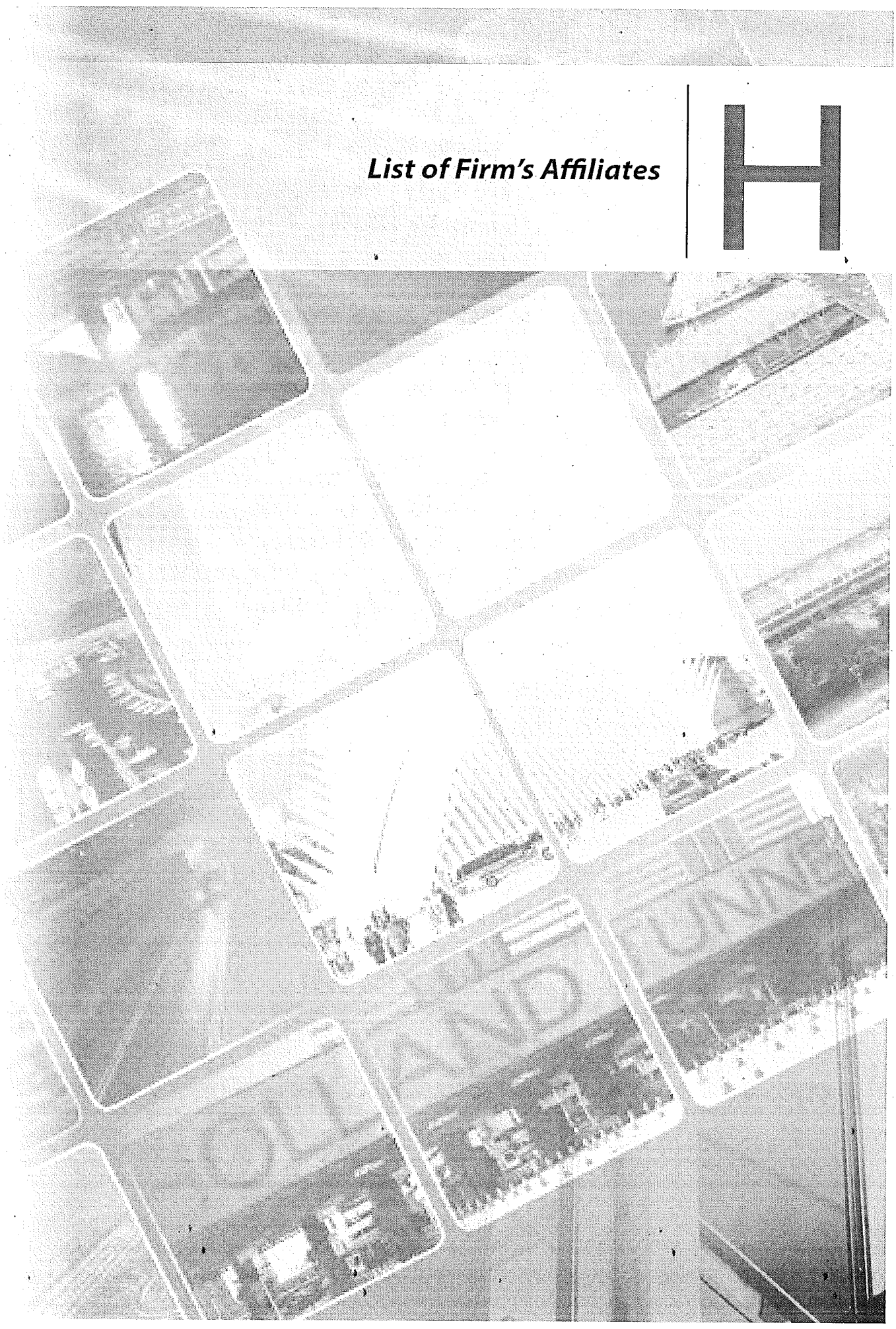
Quality is never an accident it is always the result of intelligent effort. In recognizing this, we place great emphasis on QC planning, program development and personnel to run the program,all focused on providing the client with the best possible service. Both inspection and testing are essential to assuring the quality of a contractor's work. Inspection involves examining or measuring a work item to verify that it conforms to the plans and specifications. Testing is an element of verification that establishes acceptability based on physical, environmental or other measures. We have in place and maintain documented procedures for inspection and testing activities to verify that each project's specific requirements are met. These procedures define the records to be established for each project and we have developed checklists for assuring/controlling the quality of various field and construction operations. All inspection and testing requirements must be met throughout all phases of the project, with records maintained in accordance with QA/QC Plan requirements. Final inspections and tests are also covered by documented procedures, with all applicable data and documentation being tracked, reviewed in accordance with the QA/QC Plan. These records provide detailed documentation of the testing, inspection or other control procedures, of their results, of conformance with specified requirements, and of satisfactory or unsatisfactory performance.

Summary

The Hill team's comprehensive and proactive approach to understanding the interrelationships inherent on a construction project; our assertive approach to managing call-in assignments and our highly professional staff, trained to focus on the individual needs of our clients, are the critical items that make projects a success. Our team understands the critical elements of this contract, we are ready to engage and manage these projects.

List of Firm's Affiliates

H

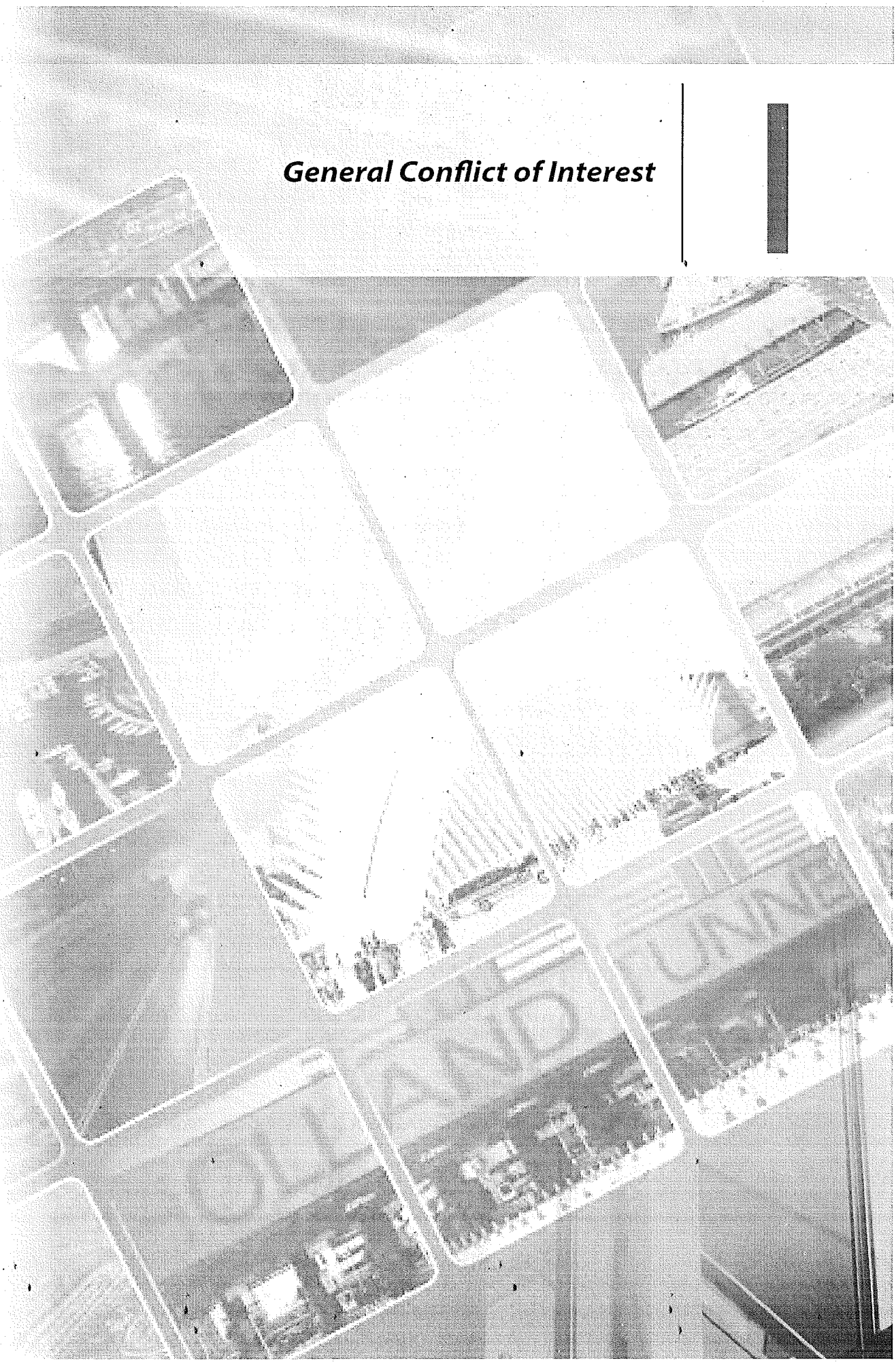


Firm Affiliates List

AFFILIATE AND SUBSIDIARY COMPANIES (FIRM EIN 20-0953973)

Affiliate or Subsidiary Name	Principal Office Address	EIN Number
Hill International Real Estate Partners, LP (JV Company)	303 Lippincott Centre, Marlton, NJ 08053	
Hill International Holdings Ltd	Palazzo Pietro 90 Strait Street, Valletta, VLT 1463 Malta	
Hill International Engineering Consultancy LLC (p/k/a Hill International LLC)	Office 206, 3rd floor, Tamimah Building P.O.Box 27, Muscat, Oman PC 102 Qurum	
TCM Group	3130 B Inland Empire Blvd, Ontario, CA 91764	
Boyken International, Inc.	303 Lippincott Centre Marlton, NJ 08053	
Hill International Real Estate, LLC	303 Lippincott Centre Marlton, NJ 08053	
MyLCM Solutions, Inc. (p/k/a TRS Consultants, Inc.)	18100 Von Karman Avenue Suite 700 Irvine, CA 92612	
PCI Group, LLC	10801 West Charleston Suite 650 Las Vegas, NV 89135	
Hill/ASL Joint Venture (JV Company)		
TranSystems-Hill Gateway, LLC (JV Company)	30 South 15th Street Philadelphia, PA 19102	
Trident Development Enterprise, LLC (JV Company)	5337 Millenia Blvd Suite 240 Orlando, FL 32839	
Hill International-APSI Construction Management, a Joint Venture, LLC (JV Company)	18100 Von Karman Avenue Suite 700, Irivine, CA 92612	
Hill Housing, LLC (p/k/a Hill Housing, Inc.)	303 Lippincott Centre Marlton, NJ 08053	
Hill International Development Inc	303 Lippincott Centre Marlton, NJ 08053	
HillStone International, LLC (JV Company)	303 Lippincott Centre Marlton, NJ 08053	
Hill International (New England), Inc. (p/k/a Collaborative Partners, Inc.)	330 Congress Street 6th Floor Boston, MA 02210	
Hill International (Puerto Rico), Inc.	303 Lippincott Centre Marlton, NJ 08053	

General Conflict of Interest



General Conflict of Interest

Hill International, Inc., our subconsultant team members, nor our project personnel, have any conflict of interest that would preclude us from performing the services required under this contract without the appearance of any impropriety.

Standard Agreement

J

Standard Agreement

Hill International, Inc. does not take any eceptions to the standard agreement.

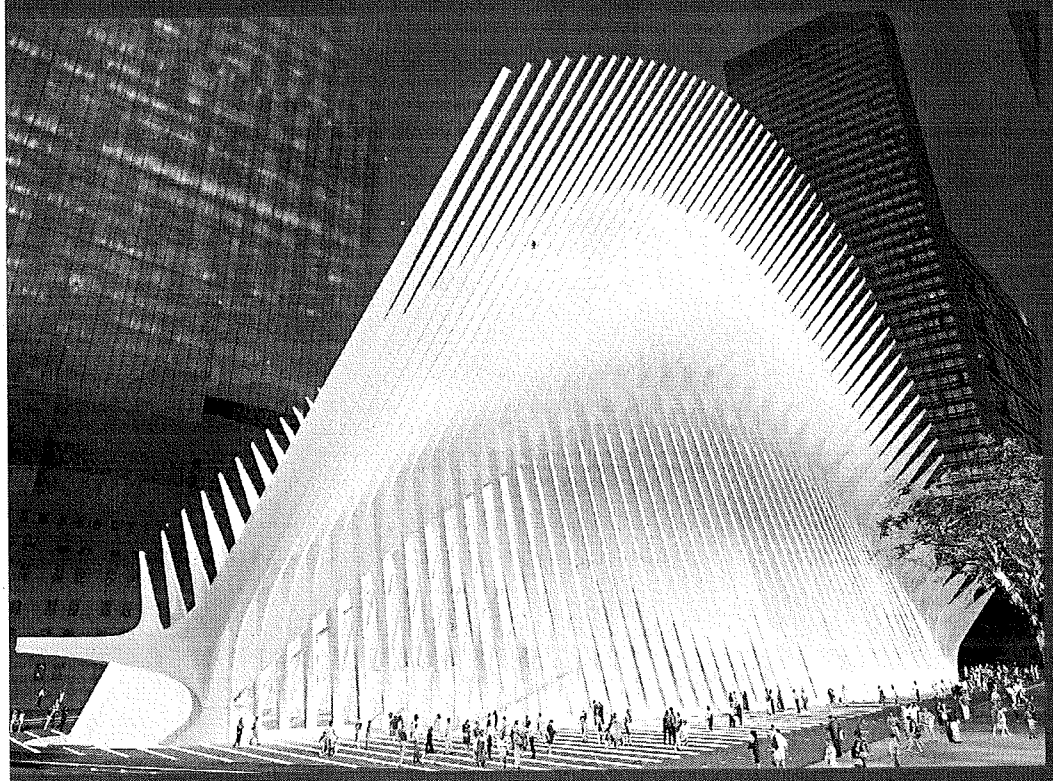
The Port Authority of New York & New Jersey

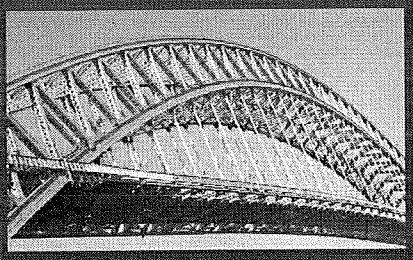
September 18, 2014

Request for Proposals for:

Performance Of Expert Professional Construction And Inspection Services As Requested On A "Call-In" Basis During 2015 Through 2018

(RFP Number 39247)





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Jacobs Engineering New York Inc.
Two Penn Plaza, Suite 0603
New York, NY 10121 USA
Tel. 212.268.1500 Fax 212.302.4645

September 18, 2014

The Port Authority of New York & New Jersey
Two Montgomery Street, 3rd Floor
Jersey City, New Jersey 07302

Attention: RFP Custodian

RE: Technical Response for the Performance of Expert Professional Construction Management and Inspections Services as Requested on a "Call-In" Basis During 2014 through 2018
RFP Number # 39247

Attention RFP Custodian:

Jacobs is pleased to submit our Technical Proposal to provide Construction Management and Inspections Services to the Port Authority of New York and New Jersey (PANYNJ) for RFP #39247.We offer the PANYNJ the depth of services and resources to make this Call-In construction and inspection contract an unparalleled success. Jacobs is well qualified to deliver the level of Construction Management services necessary to complete any assignment while delivering value.

Jacobs has an extensive amount of experience working with the Port Authority on similar assignments, and we are familiar with the Port Authority's policies and procedures. This experience, coupled with the strengths of the Jacobs team, will support your projects to:

- **Achieve Functional and Performance Goals:** Through our extensive relevant PANYNJ experience, we have routinely captured lessons learned and best practices, which we will carry forward to drive a unique level of quality and efficiency into each assignment.
- **Complete On Schedule:** We will continue to aggressively manage project schedules from predesign phase through occupancy. Our staff of PANYNJ experienced professionals understands the importance of staying on schedule.
- **Complete Within Budget:** We will continue to work collaboratively with the designers to design to budget and contractors to minimize the impact of changes. You will always know where the project budget stands. If the budget is threatened, we will lead the effort to mitigate the threat.
- **Minimize Disruptions:** We will work with the contractor to develop a mitigation plan to address any noise, dust or specific construction issues that might be disruptive. We will also develop a communication plan to keep the Port Authority apprised of all pertinent project information.
- **Maintain Safety of the Occupants and the Construction Team:** We will work to develop a project specific safety plan of action for every task and will maintain safe access and egress to and from the work site at all times. We will continuously communicate with the tenants and the Port Authority to keep them informed to ensure safety awareness.

Jacobs offers an extremely qualified team and an approach based on relevant experience and Application of Best Practices, and we are excited about the opportunity to once again support the Port Authority of New York and New Jersey.

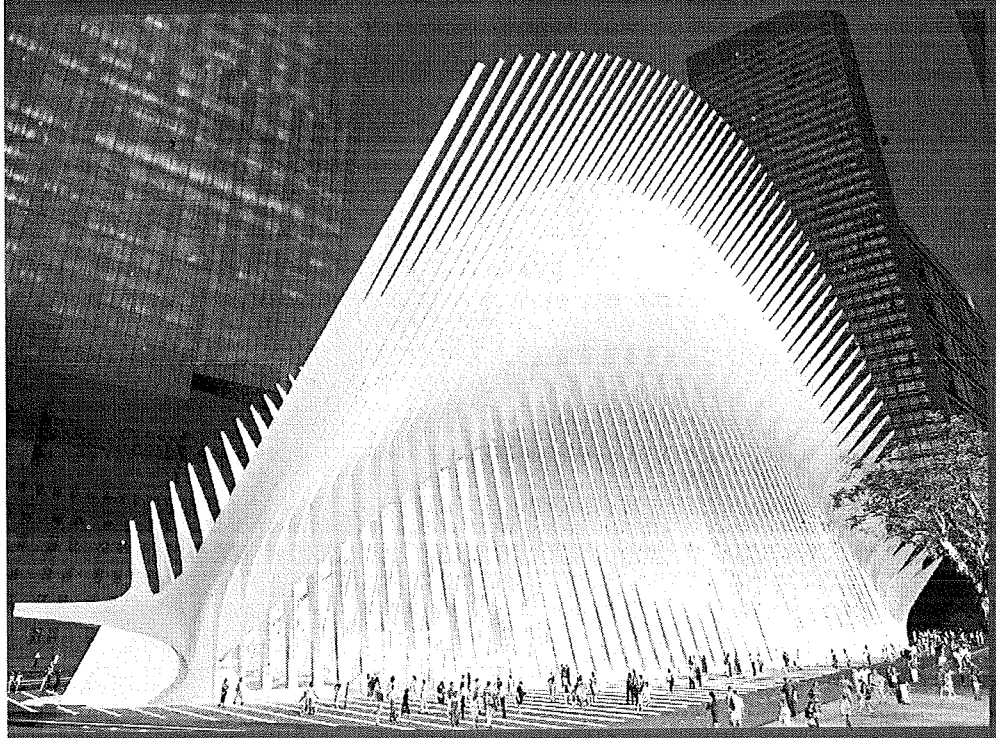
Thank you in advance for your consideration. Should you require additional information, please feel free to contact me at vinny.mangiere@jacobs.com or my Cell at 212.946.2230.

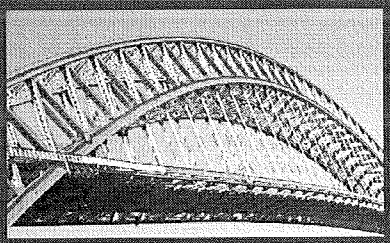
Sincerely,

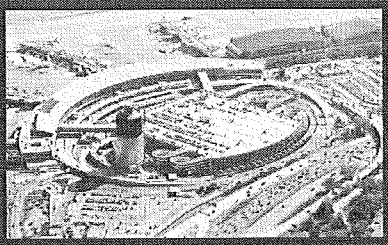
Vincent A. Mangiere, PE
Chief Executive Officer
Jacobs Engineering New York Inc.

Section A

Attachment B







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ATTACHMENT B

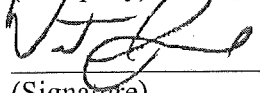
REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Jacobs Engineering New York, Inc.
(Company)


(Signature)

Chief Executive Officer
(Title)

September 18, 2014
(Date)

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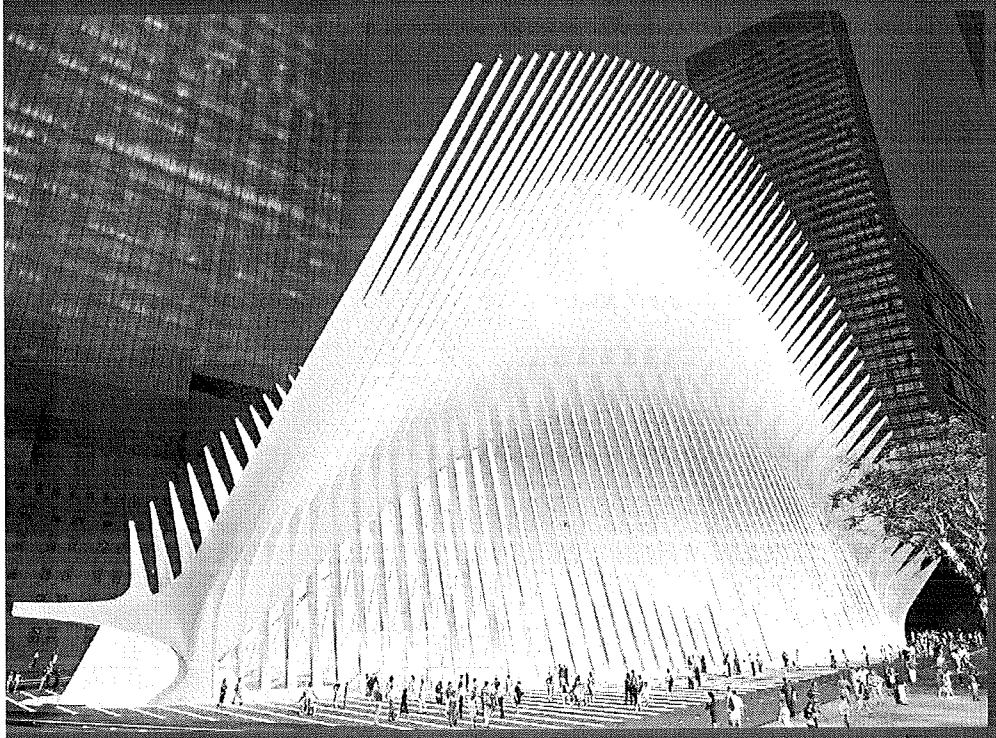
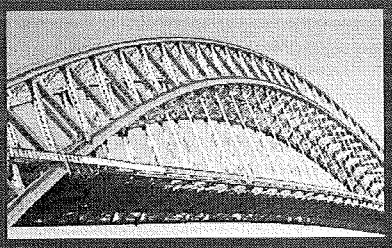
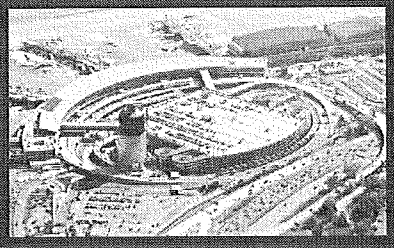
Section B

Attachment C







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ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN",BASIS DURING 2015 THROUGH 2018
(RFP #39247)

1. Company Name (print or type):
   Jacobs Engineering New York, Inc.

2. Business Address (to receive mail for this RFP):
   Two Penn Plaza, Suite 0603, New York, NY 10121

3. Business Telephone Number: 212-268-1500

4. Business Fax Number: 212-302-4645

5. Firm website: www.jacobs.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 02 / 09 / 1934

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):
   See Section H

9. Officer or Principal of Firm and Title:
   Vincent A. Mangiere, PE, Chief Executive Officer

10. Name, telephone number, and email address of contact for questions:
    Vincent A. Mangiere, 212-946-2230
    vinny.mangiere@jacobs.com

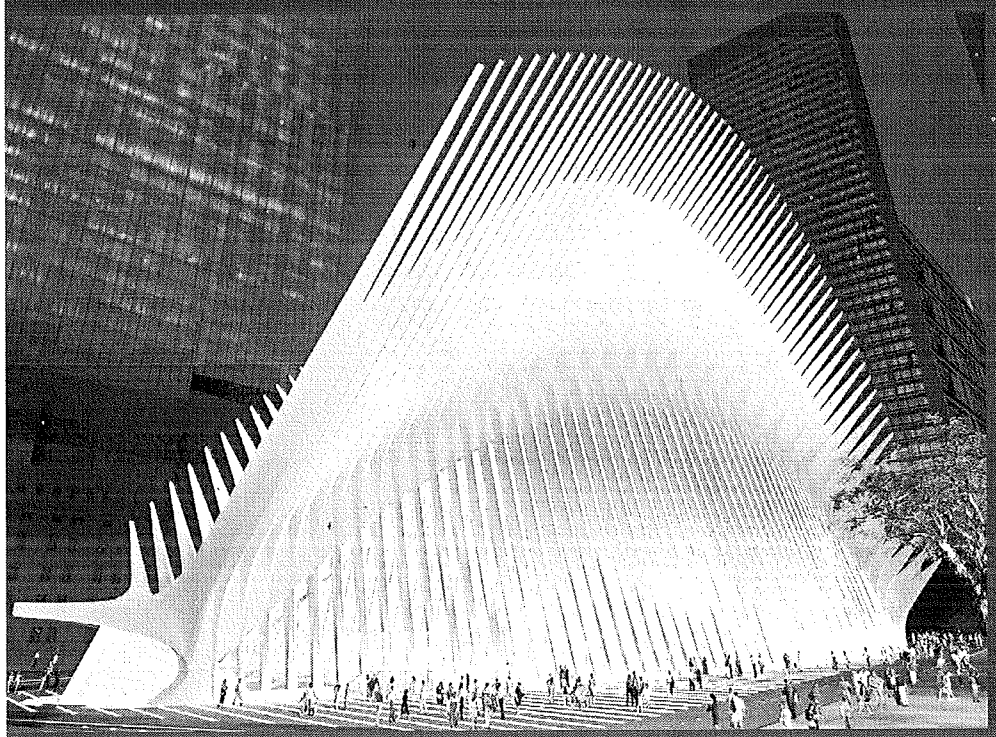
11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes ☒ No

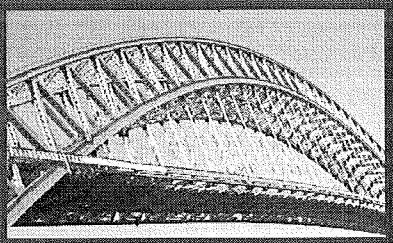
If yes, please attach a copy of your Port Authority certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

Section C

Transmittal Letter





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JACOBS

Jacobs Engineering New York Inc.
Two Penn Plaza, Suite 0603
New York, NY 10121 USA
Tel. 212.268.1500 Fax 212.302.4645

To: RFP Custodian-RFP 39247
From: Vincent A. Mangiere, Chief Executive Officer
Date: September 18, 2014
Re: Section C - Compliance Transmittal Letter

Jacobs is in compliance with the Proposer's Requirements. Currently Jacobs maintains an office in the heart of Midtown Manhattan, combined they include over 300 professionals providing Construction Management and Inspection Services to our local clients. Services in connection with this Construction Management and Inspection Services "Call-In" Contract will be delivered through our 2 Penn Plaza office. Our New York Office brings an exceptional combination of relevant local experience and IDIQ experience. In recent years, the New York office has managed approximately $4B in construction value for clients such as Port Authority of New York and New Jersey, GSA Region 2, the State of New York Office of General Services, DASNY, New York City Department of Design & Construction, Nassau County, and MTA. Below we highlight how we meet or exceed PANYNJ requirements.

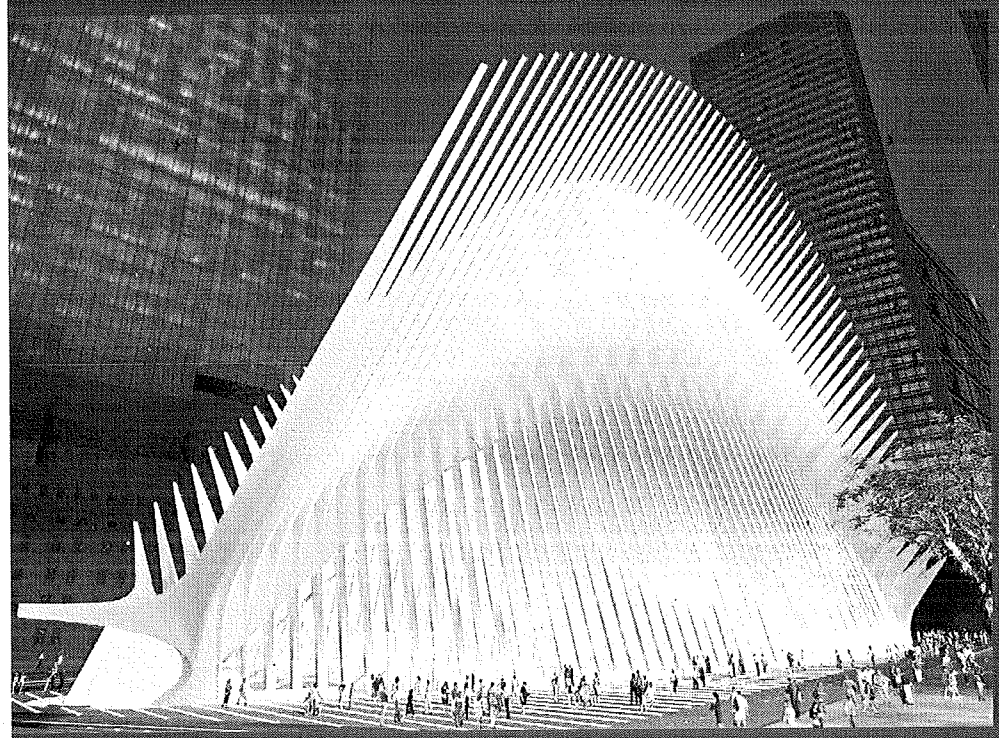
	Prequalification Category	Team Meets or Exceeds Criteria	Actual Team Number
A.	Office in New York/New Jersey Metropolitan Area with at least 50 individuals on staff experienced in performing construction management and/or construction inspection services in NY/NJ	✓	86
B.	Firms must have a Certificate of Authorization to practice Professional Engineering in the states of New York and/or New Jersey	✓	Yes
C.	Construction Inspection staff shall be experienced in performing construction inspection services in at least one of the following disciplines: Civil, Structural, Electrical and Mechanical Engineering and include the following:	✓	Yes
	1. At least ten (10) engineers/architects licensed in the states of New York and/or New Jersey	✓	13
	2. At least ten (10) must be ACI Concrete Construction Special Inspectors	✓	10
	3. At least three (3) must be ICC Certified as Structural Steel and Bolting Inspectors	✓	3
	4. At least one (1) must be NACE Level 1 coatings certified	✓	1

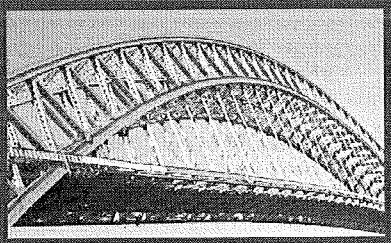
Sincerely,

Vincent A. Mangiere
Chief Executive Officer

Section D

Multipliers





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D. JACOBS MULTIPLIER BREAKDOWN

The "multiplier" referred to in the second and fifth lines of subparagraph 9.A of the accompanying Agreement, including a breakdown of said multipliers, indicating all of its components (e.g., vacation, holiday, sick pay, workers' compensation, office rent, insurance, profit).

Jacobs Multiplier at Port Authority Offices

Location	D/L	Fringe	Sub Total	G&A	Sub Total	Profit	Total
							Multiplier
At Site	1	26.5%	1.265	32.7%	1.68	15%	1.93

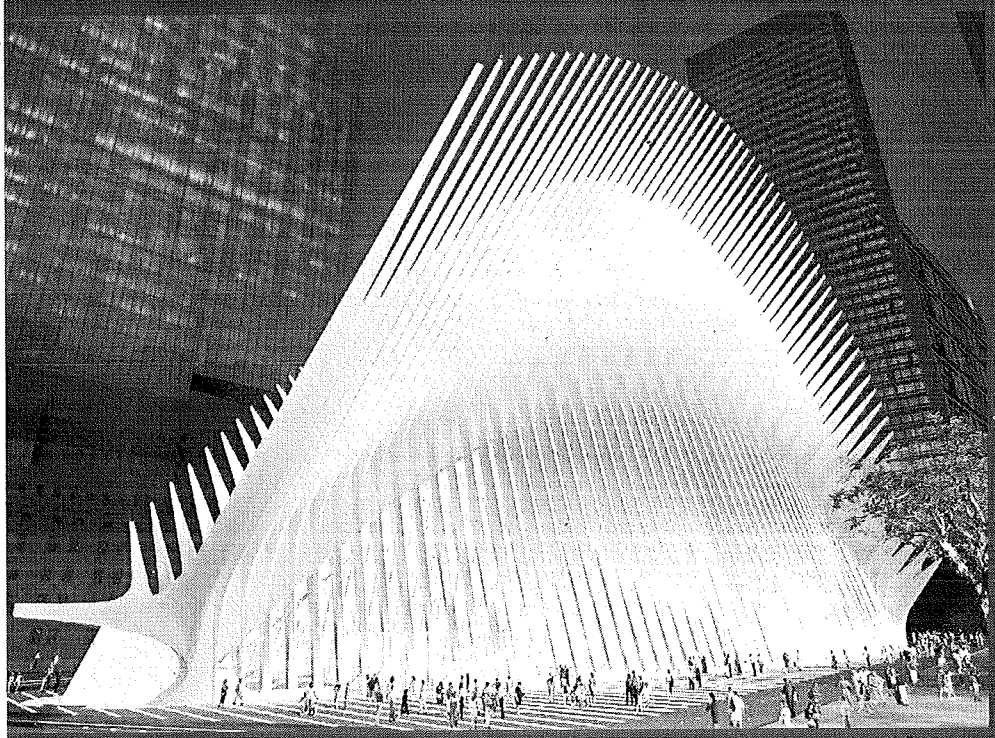
Multiplier at Jacobs Offices

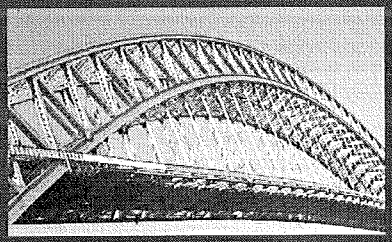
Location	D/L	Fringe	Sub Total	G&A	Sub Total	Profit	Total
							Multiplier
Home Office	1	26.5%	1.265	37.4%	1.74	15%	2.00

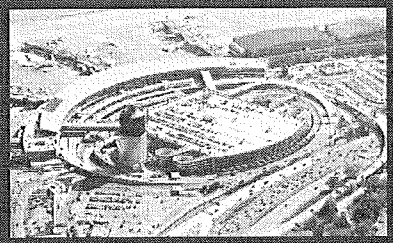
The Fringe Rate is applied to Direct Labor
The Fringe Rate is inclusive of Vacation, Holiday, Sick Leave, Workers compensation and Insurance
The General and Administrative (G&A) Rate is applied to the sum of the Direct Labor and Fringe
The General and Administrative (G&A) Rate At Site and Home Office is inclusive of General and Administrative
The Profit Rate is applied to the sum of Direct Labor, Fringe and G&A
The Multiplier is applied to the hourly Direct Labor Rate for each labor category dependent upon work location

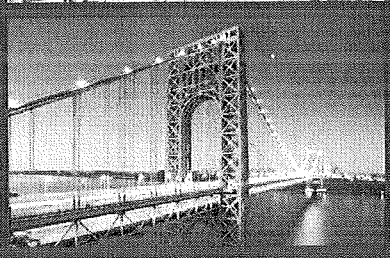
Section E

Resumes









JACOBS®

KEY PERSONNEL INTRODUCTION

Jacobs' primary business is serving public and private sector clients under term contracts. We have structured our offices and our management systems to be able to staff projects in multiple locations to serve key clients. Jacobs has provided services on numerous Indefinite Delivery/ Indefinite Quantity contracts for various clients both in New York/New Jersey and elsewhere in the US. This experience has provided us with a keen understanding of what our clients expect when buying services on an as needed basis. From an organizational standpoint we recognize that we must be quick to respond. That our staff must truly serve as an extension of the Port Authority's staff, that we must offer the Authority and its management team access to all the resources that would ordinarily be available internally to support your needs and that our services must be of high quality.

We are committed to provide Port Authority with qualified CM personnel who are capable of delivering term assignments in any location served by the Port Authority within New York and New Jersey. **Jacobs maintains a staff of over 300 Construction Management Professionals, Architects and Engineers and in New York and New Jersey.** In addition to the personnel located in New York and New Jersey, Jacobs can tap into a resource base of over **500 employees in the Northeast and New England** including Connecticut and Massachusetts and over 1200 PM/CM personnel nationwide.

On the following pages, we have provided you with 85+ individuals who make up the Jacobs Team to demonstrate the caliber and quality of the personnel we have available and who are familiar with PANYNJ projects. Attached with this proposal is an organization chart followed by the personnel matrix summarizing the personnel qualifications for the selected team. Full resumes are also provided in the following section. In the Management Approach section, we describe how our team will work together and will tap into these resources. The organization chart below demonstrates the breadth of our capabilities and the resources available to our proposed Construction Managers. In keeping with the location and project size, we will work with the Port Authority to assign the right resources from our pool of qualified Jacobs' team members.

Bill Gove will serve as the Project Executive for facilities related tasks. He was the Project Executive on our "Call-In 2011-2014 Contract" and has great expertise in working with the Port Authority identifying the right staff to work on the requested assignments. Bill brings 43 years of experience working with Owners, Architects, Consultants and Contractors providing construction management, program management, claims management, trade supervision, scheduling, estimating, cost control, value engineering, construction engineering and contracts management services. Bill has completed hundreds of projects for multiple NYC and NYS agencies and has extensive experience in problem resolution and providing goals to lead projects to recovery while building a consensus among stakeholders.

All Project Managers will work with our Project Executive, and the team to ***meet or exceed PANYNJ's project expectations at all times*** and facilitate successful project delivery.

Subconsultants

We are committed to providing meaningful opportunities for small and disadvantages businesses so that these firms gain valuable experience and enhance their technical and business management capabilities. Our track record shows that we always meet or exceed subcontracting goals established by our clients. For quality and consistency of outcomes, we make sure that all W/MBE's follow our Internal Quality Assurance and Quality Control processes.

Works-In-Progress Associates

For the past two years, under an on-call contract with The Port Authority, WPA has provided a full time Portfolio and Program Manager under Professional Construction Management Services on an as requested basis. WPA manager's responsibilities have been to report to the Engineer of Projects, assist Lead Engineer/Architect with project tracking, budget, and schedule, for more than 100 projects in various stages from concept to construction. Projects are divided into Line Departments: Aviation; PATH; Ports/Commerce; and Tunnels, Bridges and Terminals with disciplines as the lead on various projects. Responsibilities included conducting monthly meetings with the Lead Engineer/Architect to provide accurate reports for the Chief Engineer regarding status, schedule and budget and participate in quarterly meetings with Engineering and Line Department to status projects for scope, schedule and budget. Also manage small projects which involve directly overseeing the design of consultants.

SAVIN Engineers, P.C.

Founded in 1988, SAVIN started serving clients in the New York Tri-state area providing environmental engineering and construction management services. Building upon a solid foundation of successful water, wastewater, and landfill projects, SAVIN has a proven team of leaders that have expanded our reach into new markets throughout the Northeast Region and continues to push throughout the States and internationally. Our team of professionals strives to meet the needs of ever changing regulatory requirements and ensure the quality of life for the public we serve. The services in the environmental field soon expanded into the needs of transportation. Inspection and construction management services began to be provided for roads, bridges, tunnels, railways, harbors and airports. This now services local, regional, State and Federal needs.

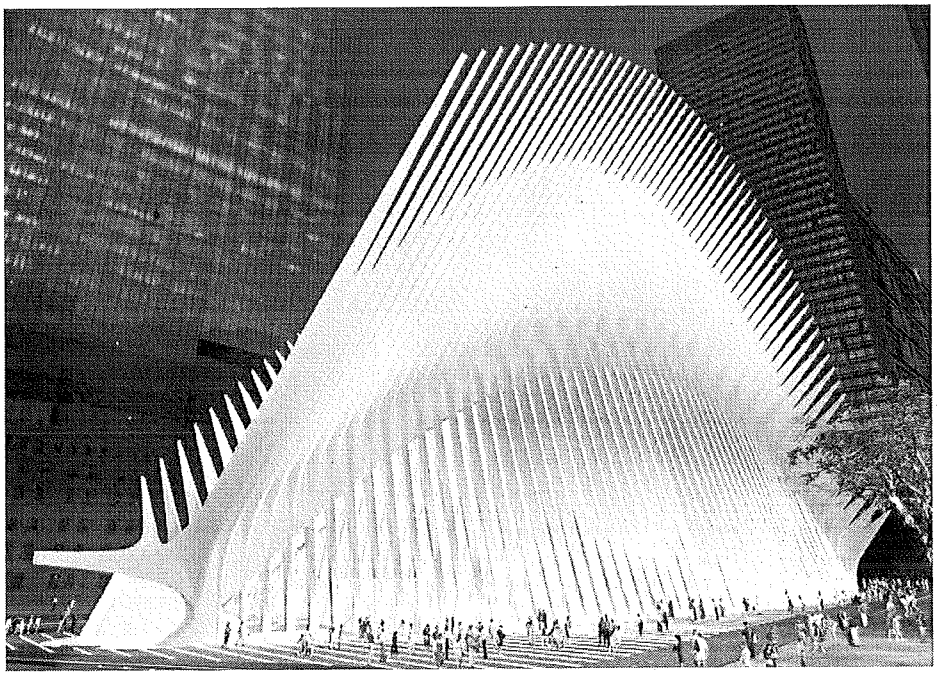
Techno Consultant, Inc. (Techno Consult) (DBE)

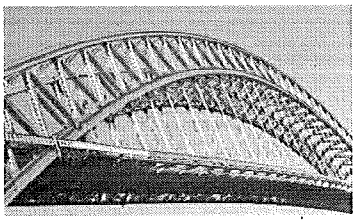
A certified Minority Business Enterprise (MBE) and Disadvantaged Business Enterprise (DBE) founded in 1998, provides engineering, construction management (CM) and resident engineering inspection (REI) services for clients that include the New York City Department of Environmental Protection (NYCDEP), the New York City Department of Design and Construction (NYCDDC), the Port Authority of New York and New Jersey (PANYNJ), and the City of Newark, NJ, among numerous others. Our principal and associates have proven accomplishments in water/wastewater treatment, mass transit, transportation, infrastructure, heavy civil construction, facilities, and municipal projects for both public agencies and private clients.

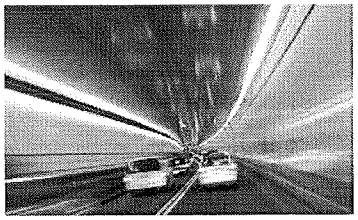
JBC Associates, Inc. (JBC)

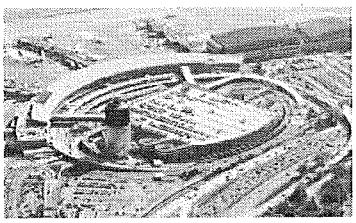
JBC Associates, Inc. (JBC) is a Port Authority of NY and NJ certified Women-owned Business Enterprise. Founded in 1988, JBC specializes in providing professional Construction Management services with primary emphasis on CPM Scheduling, Project Controls, Contract Administration, Construction Inspection and Disputes Resolution. JBC has provided these services on numerous types of projects including: roads and bridges/ tunnels, transit, airports, educational and institutional facilities, government office buildings, sports and entertainment complexes, research/ pharmaceutical facilities, hospitals, industrial and maintenance facilities, wastewater treatment plants and hazardous waste clean-up sites. Currently JBC has a staff of over sixty-five (65) professionals well versed in all areas of construction.

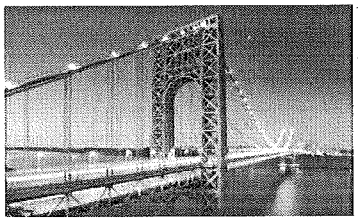
Complete List











JACOBS

	Name	Overview			No. of Years	Registrations/Certifications
		Public Sector Projects	IDIQ/Term Contract	NY/NJ Location		
Professional Engineers/Registered Architect New York/New Jersey						
1	Rich LaRuffa, PE Value Engineer-Jacobs	✓	✓	✓	40	Professional Engineer NY #053606
2	Robert Bauco, PE Project Manager-Jacobs	✓	✓	✓	17	Professional Engineer NY #082890
3	David Leymeister, PE Project Manager-Jacobs	✓	✓	✓	21	Professional Engineer NY #070984
4	Craig Lewis, PE Structural Engineer-Jacobs	✓	✓	✓	32	Professional Engineer NY #064325
5	William Moser, PE Sr. Resident Engineer-Jacobs	✓	✓	✓	31	Professional Engineer NY #070311
6	Reza Noorishad, PE Resident Engineer-Jacobs	✓	✓	✓	26	Professional Engineer NJ #24GE04408800
7	Mark Platz, PE Construction Manager-Jacobs	✓	✓	✓	36	Professional Engineer NY #065839
8	Dipak D. Shah, PE Resident Engineer-Jacobs	✓	✓	✓	31	Professional Engineer NY #048719
9	Nejat Hedvat, PE Resident Engineer-Jacobs	✓	✓	✓	38	Professional Engineer NY #056610
10	Richard Wenger, PE Project Manager-Jacobs	✓	✓	✓	19	Professional Engineer NY #070612
11	Anthony Markopoulos, PE Resident Engineer-Jacobs	✓		✓	8	Professional Engineer NY #088882
12	Michael Moskowitz, PE Structural Engineer	✓	✓	✓	27	Professional Engineer NJ #062155
13	John Howell, RA IT Design Review-Jacobs	✓		✓	25	Registered Architect #023526

	Name	Overview			No. of Years	Registrations/Certifications
		Public Sector Projects	IDIQ/Term Contract	NY/NJ Location		
ACI Concrete Construction Special Inspectors						
1	Michael Stevens Structural Engineer-Jacobs	✓	✓	✓	4	ACI Concrete Construction Special Inspector Expires 5-26-2015
2	Robert Morris Senior Inspector-Jacobs	✓	✓	✓	24	ACI Concrete Construction Special Inspector Expires 4-13-2016
3	Dean Lerescu Senior Inspector-Jacobs	✓	✓	✓	30	ACI Concrete Construction Special Inspector Expires 4-7-2016
4	Paul DeCasas Inspector-Jacobs	✓	✓	✓	26	ACI Concrete Construction Special Inspector Expires 5-26-2015
5	Apares Biswas Inspector-Jacobs	✓	✓	✓	38	ACI Concrete Construction Special Inspector Expires 6-26-2017
6	Leonardo Nunez Inspector -Techno	✓	✓	✓	15	ACI Concrete Construction Special Inspector Expires 12-10-2014
7	Iqbal Feroz Inspector-Techno	✓	✓	✓	20	ACI Concrete Construction Special Inspector Expires 3-11-2015
8	Wahaj Warsi Inspector - Techno	✓	✓	✓	26	ACI Concrete Construction Special Inspector Expires 12-10-2018
9	Kurshid Anwar Inspector- Techno	✓	✓	✓	26	ACI Concrete Construction Special Inspector Expires 7-23-2018
10	Francisco Capito Inspector-Techno	✓	✓	✓	30	ACI Concrete Construction Special Inspector Expires 5-19-2017

	Name	Overview			No. of Years	Registrations/Certifications
		Public Sector Projects	IDIQ/Term Contract	NY/NJ Location		
ICC Certified Structural Steel & Bolting Inspectors						
1	Jonathan Pfingst Special Inspector-Jacobs	✓		✓	8	ICC Certified Structural Steel & Bolting Inspector Expires 10-2014
2	Steve Goss Special Inspector-Jacobs	✓	✓	✓	21	ICC Certified Structural Steel & Bolting Inspector Expires 2015
3	Michael Caraway Field Engineer-Jacobs	✓	✓		6	ICC Certified Structural Steel & Bolting Inspector Expires 2017

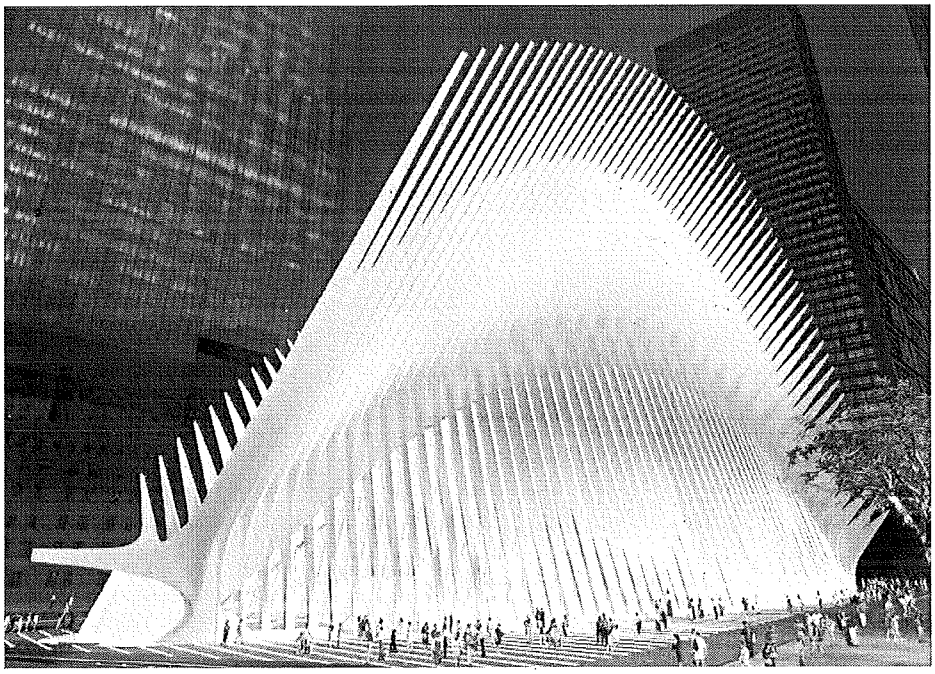
	Name	Overview			No. of Years	Registrations/Certifications
		Public Sector Projects	IDIQ/Term Contract	NY/NJ Location		
NACE Level 1 Coatings Certified						
1	Sung Hun Cho Resident Engineer-WPA	✓	✓	✓	9	NACE Level 1

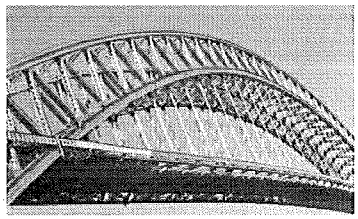
	Name	Public Sector Projects	IDIQ/Term Contracts	NY/NJ Location	No. of Years	Registrations/Certifications
Experienced Construction Management/Construction Inspection NY/NJ						
1	Bill Gove Project Executive	✓	✓	✓	43	N/A
2	Rick Fennema, CCM Senior Project Manager	✓	✓	✓	33	Certified Construction Manager
3	Andrew Kerr Senior Project Manager	✓		✓	35	N/A
4	Gus Xenakis, CCM Senior Project Manager	✓	✓	✓	25	Certified Construction Manager
5	Curtis Casey Project Manager	✓		✓	30	N/A
6	John DeMase Project Manager	✓		✓	27	N/A
7	Joseph Greene Project Manager	✓		✓	37	N/A
8	William Smith, PE Senior Project Manager	✓	✓	✓	28	PE: CA
9	Clinton Jackson Project Manager	✓		✓	24	N/A
10	David LaTour Project Manager	✓	✓	✓	14	N/A
11	Christine Oates, CCM Project Manager	✓		✓	16	CCM; LEED AP; EIT: NY
12	Marc Riendeau Project Manager	✓		✓	15	N/A
13	Gayle Benjamin Project Manager	✓	✓	✓	13	N/A
14	James Buckley Project Manager	✓	✓	✓	37	N/A
15	Anthony Delgado Project Manager	✓	✓	✓	14	N/A
16	Jeffrey Ronk Project Manager	✓		✓	18	N/A
17	Eric Monsonis Project Manager	✓		✓	16	N/A
18	Dave Rivera Construction Manager	✓	✓	✓	16	N/A
19	David Fox Field Engineer	✓	✓	✓	6	N/A
20	Matthew Gallegos Field Engineer	✓		✓	10	N/A
21	Vanessa Jimenez Field Engineer	✓		✓	9	N/A
22	Artem Khaykin Field Engineer	✓	✓	✓	9	N/A

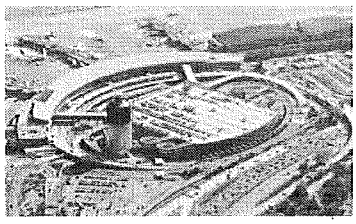
23	Faheem Khan Field Engineer	✓	✓	✓	12	N/A
24	Timothy Yan Field Engineer	✓	✓	✓	5	N/A
25	Robert Raspanti Electrical Inspector	✓		✓	36	Cert: High Voltage Splicing, Electric Arc Welding, Fiber Optic Installations; Licensed NY State Rigger
26	W. Ross Wear Safety Engineer	✓	✓	✓	31	N/A
27	Victor Kee Senior Inspector	✓		✓	37	N/A
28	Dan Wardrope Senior Inspector	✓		✓	26	N/A
29	Hatoum Hatoum Senior Inspector	✓	✓	✓	29	N/A
30	Hector Chiong Senior Inspector	✓		✓	10	ACI Field Testing Technician
31	Jacob Dallas Senior Inspector	✓		✓	13	ACI Field Testing Technician
32	Vincent Palacio Senior Inspector	✓		✓	30	ACI Field Testing Technician
33	Gerald Petroski Senior Inspector	✓		✓	32	ACI Field Testing Technician
34	Jeff Rudenjak Resident Engineer	✓		✓	26	ACI Field Testing Technician
35	Arthur Salisbury Senior Inspector	✓		✓	40	ACI Field Testing Technician
36	Ray Klein, PE Mechanical Inspector	✓		✓	24	PE: MA, CT, SC, FL
37	Craig Timko Resident Engineer	✓	✓	✓		NA
38	Richard Treloaar Resident Engineer	✓		✓	43	ACI Field Testing Technician
39	Dennis Marchetti,PE Lead Electrical Engineer	✓		✓	38	PE: VT
40	Brad Hollingsworth, PE Bridge Mechanical Eng.	✓		✓	15	PE: PA
41	J. Leo McGlynn, PE Railroad Engineer	✓	✓	✓	35	PE: PA
42	Scott Paul Longazel Contract Administrator			✓	10	N/A
43	Lauren Roller Schnitzer Contract Administrator	✓		✓	23	N/A
44	Niurka Ozuna Contract Administrator	✓		✓	9	N/A
45	Sheryl Seid Ng Contract Administrator	✓	✓	✓	25	N/A
46	Joan Roof Safety Engineer	✓	✓	✓	19	N/A
47	Luigi Cheichi Safety Engineer	✓	✓	✓	39	N/A
48	Seppo Siimes Architect Design Rev	✓	✓	✓	26	N/A

49	John Hitsos, PE Commissioning	✓	✓	✓	36	PE
50	Pamela Godsoe, PE Commissioning	✓	✓	✓	20	PE
51	Remon Yussif, PE Commissioning	✓	✓	✓	14	PE
52	Harry Tom, PE, QCxP Commissioning	✓	✓	✓	41	PE, QcxP
53	Dana Jensen Estimator		✓		33	N/A
54	Frank Jenkins Estimator	✓		✓	28	N/A
55	Zack Pennington Estimator	✓		✓	28	N/A
56	Mehul Gandhi Scheduler, Project Controls	✓		✓	10	PE, PMP, PSP
57	Srini Srinivas Scheduler	✓	✓	✓	19	PMP
58	Steven Eichinger Value Engineer	✓	✓	✓	28	N/A

Resumes







JACOBS®

Rich LaRuffa, PE
Value Engineer
Jacobs

Education:,
Bachelor of Science
Master of Science

Registrations:
Professional Engineer: NY and NJ
CVS - Certified Value Specialist - Life

Years of Experience:
40 Years

Professional Engineer NY/NJ
[redacted]

Richard LaRuffa, PE has served as Project Director, or Project Manager, overseeing project teams with up to 40 staff members. Assignments included P/CM, construction claims analysis and prudency audits, Value Engineering, Constructability Reviews, CPM scheduling, and cost estimating on projects ranging from $0.5 million to $3.2 billion. Projects include high-rise buildings, hospitals, sewage treatment plants, highways, bridges, airport, rail and bus systems, transportation facilities, prisons and courthouses, educational facilities, golf clubs, auditoriums and banquet halls, refineries, and industrial and power generation plants.

A Life-Certified Value Specialist, Richard has been actively involved in Value Engineering for more than 25 years. He has participated in over 175 VE workshops, as team member or team leader. Richard has presented seminars on project management and value engineering, and teaches the one-week SAVE certified Module I VE Training course and maintains a SAVE certified curriculum.

RELEVANT EXPERIENCE

General Services Administration On-Call VE Services. *Project Manager and lead CVS Team Leader* on VE studies for new federal courthouse projects in Gulfport, MS and Los Angeles, CA, renovations to two historic courthouses in New York City, and the Border Station at Champlain, New York. Historic renovations concentrated on constructability issues including manpower and material flow through operating court facilities under post-9/11 homeland security measures.

MTA New York City Transit, Value Engineering Consultant Services. *Project Manager and primary CVS Team Leader* on 4 successive on-call contracts. To date more than 125 studies have been conducted on station upgrades, power, signal and communications systems, bus depots, TA facilities and NYCT Design Guidelines, on projects totaling more than $4 billion in construction. Reviews include concept designs, preliminary engineering, constructability/construction document designs and contractor submitted value engineering change proposals during construction.

Port Authority of NY & NJ (PANYNJ). *Project Manager/Value Engineer-Team Leader* responsible for conducting a VE workshop on bid documents for a new 800-passenger Ferry Terminal at Battery Park City. Also lead VE Team studies on a new restricted service road at JFK airport, and Homeland Security projects involving perimeter intrusion and protection system concepts at PA airport and rail facilities.

MTA Bridges and Tunnels, Task Order Value Engineering Services, NY, NY. *Project Manager/Team Leader* responsible for conducting fifteen Value Engineering Workshops on Preliminary Design documents.

Robert Bauco, PE, CCM
Project Manager
Jacobs

Education:
Bachelor of Architectural Engineering

Registrations:
Professional Engineer: NY
Certified Construction Manager, CMAA

Years of Experience:
17 Years

Professional Engineer NY/NJ #[redacted]

Robert Bauco, PE, CCM brings over 17 years of experience in construction management of new construction and renovation projects in New York. From his work on the OGS HVTMC and NYS Thruway Authority Interchange 17Contract 2 Campus, Rob brings directly relevant experience to the team and will serve as a key resource for providing lessons learned gained during the reconstruction and conversion of the OMH Recreations Facility Building 104 for Authority Offices and NYPD facility.

RELEVANT EXPERIENCE

Reconstruction of Interchange 17, Contract 2 – TANY 04-37A Newburgh, NY. *Project Manager.* Provided overall management responsibility for the Jacobs team for this $50M, 90,000 SF+ project. The project includes construction management and inspection services for the construction of a 38.000 SF Maintenance/Vehicle Garage Building; a 13,000 SF State Police Zone Headquarters Building; Toll Collection Facilities (including a Toll Utility Building, two new Toll Plazas and a E-Z Pass only Toll Plaza); and Storage Buildings (vehicle, salt storage, and cold storage).

Hudson Valley Transportation Management Center (HVTMC) Hawthorne, NY. *Project Manager.* Rob has overall management responsibility for the Jacobs team for this $45M, 92,000 SF project involving construction management services. The HVTMC incorporates incident management plans developed by participating agencies and various ITS elements to manage and maintain the transportation system. The project also included construction of a new State Police Headquarters.

International Business Machines, T.J. Watson Research Facility Yorktown Heights, NY. *Project Manager.* Jacobs provides Preconstruction and Construction management services for communication wiring upgrade of an $18M, 750,000 SF research and laboratory facility. The work brought CAT5 copper and fiber optic cable to 3,500 workstations throughout the occupied campus. Requirements included construction of 23 communications rooms linked to the main computer and telephone room.

New Jersey Department of Building and Construction, South Woods State Prison Project, Bridgeton, NJ. *Assistant Project Manager/Project Engineer.* Construction management services for a self-contained, $203M, 1.3 million SF, 3,100 bed medium security correctional institution with support facilities, including medical, education, food service, administration, visiting facilities, and an Industries Compound. The 25-building complex is located on an 85 acre site.

International Business Machines (IBM), TJ Watson Research Facility, New York, NY. *Project Manager.* Jacobs provided Construction Management services for infrastructure wiring upgrades to the $18M, 750,000 SF IBM research and laboratory facility. This work brought CAT6 copper and fiber optic cable to 3,500 workstations throughout the occupied campuses. It also required the construction of 30 communications rooms linked to the main computer and telephone rooms. Rob was responsible for oversight of the design and construction subcontractors in order to achieve owner objectives of quality, budget, schedule, and minimal occupant disturbance.

David Leymeister, PE
Project Manager
Jacobs

Education:
MS, Civil Engineering
BS, Civil Engineering

Registrations:
Professional Engineer: New York, 1994, (#[redacted])
Pennsylvania, 1996, ([redacted])
New Jersey, 2003, ([redacted])

Years of Experience:
21 Years

Professional Engineer NY/NJ #[redacted]

David Leymeister, PE has extensive experience in the management and control of transportation projects involving studies, design, design-build, and resident engineering. He is experienced in transit station, private freight service, bridge, roadway, building, bicycle/pedestrian, and tunnel construction. Specific tasks have included coordinating permitting/design/construction, implementing cost controls for design and construction, claims analysis, CPM scheduling, and construction inspection. Dave has demonstrated the ability to successfully manage, achieve a win-win scenario for stakeholders, and improve quality performance by formulating and implementing comprehensive plans for quality assurance. As Quality Manager for our New York, New Jersey, and Philadelphia offices, he ensures that the company policies and procedures are followed as outlined in each project-specific quality plan.

RELEVANT EXPERIENCE

NJ Turnpike Authority (NJTA), Mile 83 and Pearl Harbor Memorial Turnpike Extension. *Project Manager.* This project included multi-span bridges and multiple bridge contracts. Inspection services consisted of the MPT, inspection of the removal/scarification of deteriorated bridge deck slabs, and replacement with new reinforcing steel and concrete; replacement of deck panels; partial depth concrete spall repairs; sidewalk, parapet, and curb surface repairs; removal and replacement of asphalt surfacing; resurfacing bridge approaches; latex modified concrete overlay; pile driving; post-tensioned concrete; HPC concrete placement; placement of waterproofing membrane; armor joint modifications and installations; joint seal replacements; defective bearings repair; substructure waterproofing; placement and removal of temporary and permanent roadway line striping; electrical component replacements; grading, drainage, and other varied elements.

NJ Turnpike Authority (NJTA), Supervision of Construction Services Contract P100.028, GSP Miscellaneous Structural Repairs (OPS P3139). *Project Manager* responsible for overseeing the work to rehabilitate land and water spanning bridges. The work involved construction of concrete repairs on substructure members (abutments, piers, columns, caps) using concrete epoxy concrete compounds; structural steel repairs (on damaged girders, haunches, bearings, diaphragms); steel beam repairs; utilization of temporary shoring/jacking towers to support deck stringers; applied epoxy waterproofing; localized SSPC SPC6 cleaning of lead based paint systems for steel repairs with Level 4 – Class 4 containment, then recoating with an epoxy mastic paint; completing emergency steel repairs on an on-call status; maintenance and protection of traffic (MPT) for lane closings on GSP and NJDOT roadways; and work area protection. Work also included jacking of beams to perform bearing repairs and for the welding/bolting of new repair plates. Some of the repairs were performed over water, working from a barge. Emergency steel bridge beam repairs required MPT, beam jacking support, drilling, bolting, torqueing, and painting for repair plates.

Craig Lewis, PE
Principal Structural Engineer
Jacobs

Education:
B.S., Civil Engineering

Registrations:
Professional Engineer – New York

Years of Experience:
32 Years

Craig Lewis, PE has over 32 years of structural engineering experience. He has served as Project Manager, Project Engineer and Inspection Leader for various bridge inspection, design and construction support projects for several tri-state area agencies including NYSDOT and NYCDOT. These assignments involved coordination with client project managers and site Engineer-in-Charge as well as construction contractors and subconsultants. He also served as Project Engineer on various bridge and building projects for The Port Authority of NY and NJ, MTA Bridges and Tunnels, NYNEX and Independent Contractor Clients.

RELEVANT EXPERIENCE

NYC Economic Development Corporation, 28th Avenue Reconstruction, Queens, NY. *Resident Engineer* for the reconstruction of 28th Avenue that included removal/'replacement of roadways sidewalks, and curbs. Responsibilities included coordination with city agencies, MTA Bus Company and the Community Board; inspection of construction work and materials for conformance to plans and specifications; review of shop drawings; conducting progress meetings; resolving RFI's and unanticipated field conditions, review of contractor invoices, maintenance of records of field change details for inclusion on as-built drawings and providing administrative management.

NYCDOT, Rehabilitation of 6 New York City Bridges New York, NY. *Team Leader and field coordinator* for the in-depth inspection on the following structures:

- Metropolitan Ave Bridge
- Crooke Ave Bridge
- Newkirk Ave Bridge
- BQE Cadman Plaza Viaduct

NYSDOT, Rehabilitation of 16 Bridges on Cross Bronx Expressway Corridor, New York, NY. *Assistant Team Leader* for the in-depth inspection of the eastbound and westbound roadway cantilever brackets on the main arch, east approach and west approach spans.

NYSDOT, Steel Detail Vulnerability Assessment of 517 New York City Bridges in Region 11, NY. *Field Inspection* of the steel detail vulnerability assessment of 517 New York City Bridges in Region 11 (3,820 Spans). Photos of the existing conditions were taken and if repairs were performed, then sketches were drawn of member types and sizes used. Work included the evaluation of fatigue prone details. A 3-D model of the Gowanus Expressway behavior was developed for this effort.

MTA-Bridges and Tunnels, 1999 Biennial Inspection of the Henry Hudson Bridge and Queens Midtown Tunnel Approach Bridges, NY. *Team Leader and Field Coordinator* for the biennial inspection of the main bridge and Manhattan and Bronx approach spans of the Henry Hudson Bridge; and the main spans of the QMT approach bridges. Responsibilities also included development of reports summarizing inspection findings.

Professional Engineer NY/NJ #[redacted]

William C. Moser, PE
Sr. Resident Engineer
Jacobs

Education:
B. S., Civil Engineering
A. A. S., Civil Engineering

Registrations:
Professional Engineer in New York (#[redacted]),
Pennsylvania (#[redacted],
Virginia (#[redacted])

Years of Experience:
31 Years

Professional Engineer NY/NJ #[redacted]

Bill Moser, PE has 31 years of experience in all phases of construction inspection, supervision, management, design coordination and scheduling. Experience includes construction inspection of highway, bridge, building, railroad and marine projects with emphasis in project set-ups, management, record keeping, quality control, material testing, closeouts, problem solving, constructibility reviews and estimating. Project experience includes the following:

RELEVANT EXPERIENCE

Various Company Construction Projects for NewJersey Turnpike Authority and New York State Department of Transportation, Region 11. *Deputy Project Manager/QA/QC Officer* for various company projects most noteably for NYSDOT Region 11 ITS City-wide project. Performed QA/QC analysis of project inspection forces with respect to job knowledge, reviewed office proceedures of the consultant Office Engineer, made positvive recommendations with respect to policies and proceedures and issued a written report to the State EIC Nick Lorincz and consultant Project Manager. Assured that all proceedures were implimented correctly and Clients (NYSDOT, NJTA) were satisfied.

NYC Department of Design and Construction, Flushing Avenue Reconstruction Project, Brooklyn, NY. As *Resident Engineer* managed the installation of trunk and distribution water mains along 4 miles of Flushing Avenue. This project included the relcation of major utilities, watermain installation, complete reconstruction of curbs, sidewalks, roadway, street lighting, traffic signal installation signage and delineation of the new roadway. Coordination with the many businesses, schools, churches and four Community Boards was a key element of this project. Cost $ 47 million.

NYS Department of Transportation, Reconstruction of the Major Deegan Expressway over Exterior Street, New York, NY. As *Resident Engineer* managed the subsurface investigation for the future reconstruction of the Major Deegan Expressway Viaduct. This included the complete set up and closure of the project as well as managing the inspection staff, coordination with the NYSDOT Geotech Department, sample recovery and delivery to the Albany, NY Lab. Special handling of samples was an important part of this project. Due to ongoing projects in the area, coordinated with the these projects for access to and scheduling of the bore hole driling. Cost $ 150,000

NYC Department of Transportation, Protective Coating of the Queensboro Bridge, New York, NY. As the *Resident Engineer* for the 5-year, $170 million Queensboro Bridge Protective Coating Project. This included the installation of temporary platforms which hold the 1A containment systems for the removal of the existing lead paint by blasting to a near white condition, coating the structure with a 4 part paint system, and maintenance and protection of vehicular and pedestrian traffic. He was responsible for all aspects of the construction and management of the inspection staff which includes coordination with other contractors working on the bridge, as well as the maintenance crews and inspection crews.

Reza Noorishad, PE
Resident Engineer
Jacobs

Education:
Master of Civil Engineering
Bachelor of Science in Engineering

Registrations:
Licensed Professional Engineer, NJ, [redacted] Expires 04/30/2010
Professional Engineer CT

Years of Experience:
26 Years

Professional Engineer NY/NJ #[redacted]

Reza Noorishad, PE brings over 26 years diversified experience serving as resident engineer or chief inspector for bridge and highway construction projects. His areas of expertise include reconstruction of movable bridges, structural steel rehabilitation, and highways. Reza has extensive experience supervising field staff, as well as preparing daily reports and coordinating with various agencies, utilities, and businesses.

RELEVANT EXPERIENCE

Tri-Borough Bridge and Tunnel Authority (TBTA), Throgs Neck Bridge, Replacement of Concrete Deck and Rehabilitation of the Abutment and Retaining Walls. *Senior Inspector* responsible for rehabilitation of Throgs Neck bridge, Queens Approach, abutment and retaining wall repair, jacking existing girders, replacing all the bearings and some of the existing girders, deck replacement at Queens approach. Responsible for supervising all phases of the work, which included supervising construction inspection, MPT, staged construction, superstructure, shielding, bridge deck demolition, stay-in-place forms, reinforcement steel, concrete placement and testing, substructure spall repairs, expansion joint installation, bearing replacement, HMA paving, and line striping.

Burlington County Bridge Commission (BCBC), Abutment Reconstruction of Bristol Bridge, Burlington, NJ. *Resident Engineer* for reconstruction of west abutment (New Jersey side) of Bristol Bridge, jacking west abutment existing girders, replace of concrete-encased end diaphragms, installation of new armor joint, deck and approach slab replacement over the west abutment. Responsible for supervising all phases of the work, which included supervising construction inspection, MPT, staged construction, superstructure, shielding, drainage and electrical facilities, approach slab demolition, reinforcement steel, concrete placement and testing, concrete barrier placement, cast-in-place parapet construction, waterproofing membrane, substructure spall repairs, bearing replacements, HMA paving, and line striping.

NJ Department of Transportation (NJDOT), Reconstruction of the Route 1&9 Bridge Over Route 35, Woodbridge, NJ. *Senior Inspector* for construction of new bridges and new ramps over Route 35, which included new abutment, reinforced concrete deck, structural steel girders, approach roadway, drainage and electrical facilities installation, full depth roadway and reconstruction and paving at Route 35. Responsible for supervising all phases of the work, which included MPT, staged construction, superstructures, shieldings, bridge deck demolition, stay-in-place forms, reinforcement steel, concrete placement and testing, concrete barrier placement, cast-in-place parapet construction, waterproofing membrane, new bearing installation, expansion joint installation, SuperPave asphalt, and line striping.

NYS Department of Transportation (NYSDOT), Taconic State Parkway Route 202/35 to Route 6, Westchester County, NY. *Chief Inspector* for a $29 million project that involved realignment of a four-lane highway, exit modifications, drainage improvement, replacement of four existing overpass bridges with new arch concrete bridges, extensive maintenance and protection of traffic, and coordination of various activities during all stages of construction.

Mark Platz, PE
Construction Manager
Jacobs

Education:
BS, Civil Engineering

Registrations:
Professional Engineer and Land Surveyor, NJ, [redacted] Expires 4/30/2012
Professional Engineer, NY, # [redacted], Expires 07/31/2013
Professional Engineer, PA, # [redacted], Expires 09/30/2011
Professional Engineer, DE, # [redacted]
Professional Engineer, IN, [redacted] Expires 07/30/2012
Professional Engineer, RI, # [redacted]
Professional Planner, NJ, [redacted] Expires 05/31/2012
Professional Land Surveyor, PA, # [redacted] Expires 09/30/2011

Years of Experience:
36 Years

Professional Engineer NY/NJ # [redacted]

Mark Platz, PE has three decades of experience with a proven track record of business aptitude and profitability in Construction Management, Construction, and Engineering. Mark has worked extensively throughout the State of New York and New Jersey, primarily for the Metropolitan Transportation Authority and the Southern Pennsylvania Transit Authority in Philadelphia, PA. With his background as a Program Manager/Construction Manager, Mark possesses solid management techniques that translate to profitable project performance.

RELEVANT EXPERIENCE

Bridges Rehabilitation Design, Long Island, New York, MTA - Long Island Railroad. *Project Manager* for Design and Bid Phase Services for the rehabilitation of four elevated bridge structures in need of critical repair. Situated in heavily urbanized areas, one bridge carries 5 tracks of the LIRR's key Jamaica interlocking including crossover and switch installations. Emphasis was placed on cost effective rehabilitation with careful consideration of Railroad operations and outage restrictions together with railroad force account support.

Metropolitan Transportation Authority - Capital Construction, Methods and Procedures, New York City, NY. *Task Manager.* Drawing on his extensive experience covering many areas of planning, design, construction and management, Mr. Platz served as Task Manager for the MTACC's effort to develop uniform system-wide Methods and Procedures for their nearly $20B New York City construction efforts.

East Side Access, Long Island Railroad to Grand Central Terminal, NYC and Queens, New York. *Task Manager and Team Leader.* Part of Jacobs Construction Management Team for this $8B project providing first-ever LIRR access to Grand Central Terminal, Mr. Platz Served as Task Manager and Team Leader for a number of on-call efforts, including: constructability reviews for tunnel work, underground station and access construction, temporary trestle construction, interlocking reconfiguration and track and electrical systems work; Analysis of Materials and Warehouse management for just-in-time and long term procurement; Program Risk Assessment including design, construction, cost and scheduling; and Alternate Operations Route Planning/Development.

Atlantic Traffic and Design Engineers, Watchung, NJ. *Principal-in-Charge.* Transportation Design and Planning. As Principal-in-Charge, managed planning and design for road, highway and transit systems including I-95 interchange improvements, highway design, transportation hubs, signal design, and transit corridor optimizations. Work areas in NJ, PA, NY, CT. Responsibilities included client/ project interface, public agency and community development activities (presentations and public hearings), proposal development and scheduling/ coordination efforts. Worked with municipal, county and state governments and with Departments of Environmental Protection and Transportation. Managed project efforts from concept through construction completion and acceptance.

Department of Transportation, I-95/ I-287 Interchange Improvements, NY, NJ, PA, CT. *Principal-in-Charge.* Transportation planning and design for highway system. Responsible for client interface, public agency coordination and community development activities.

Dipak Shah, PE
Resident Engineer
Jacobs

Education:
M.E, Civil Engineering
B.E., Civil Engineering

Registrations:
Professional Engineer, NJ (1986)
Professional Engineer, NY (1972)

Years of Experience:
31 Years

Professional Engineer NY/NJ #[redacted]

Dipak Shah, PE brings more than 30 years of experience in leading, managing, and directing construction inspection personnel on heavy construction projects, including client liaison, construction contract administration, subconsultant contract administration, manpower scheduling, budgeting, invoicing to clients, processing of contractor and subconsultant payments, cost estimates, claims evaluation and negotiations, pursuit of work, and preparation of technical proposals.

RELEVANT EXPERIENCE

Amtrak/ARRA Project, Rehab at Pelham Bay Bridges and Approaches, Bronx, NY. *Resident Engineer* on a bridge substructure rehabilitation project entailing reinforced concrete pile jacketing of existing deficient piles, rehabilitation of heavy scalling/spalling on existing transmission tower footings, and rebuilding, repointing and grouting concrete core of existing granite stone masonry piers. Responsible for providing construction management and contract administration and supervising integrated field staff of Amtrak/Jacobs personnel and coordinating construction work with various Amtrak Departments and ongoing other contracts nearby.

Bayonne Local Redevelopment Agency (BLRA) Route 440 Infrastructure Improvements Project in Bayonne, NJ. *Resident Engineer* on a roadway project entailing new intersection, modification to existing intersection, relocation of existing overhead utilities, new traffic signals and drainage improvements. Responsible for providing resident engineering construction inspection services, including on-site construction supervision, office engineering and contract administration entailing processing of partial and final payments, change orders, change order negotiations, interfacing with state and local agencies, utilities and private businesses.

New York City Department of Environmental Protection, Oakwood Beach Water Pollution Control Project, Contracts 6B-2 and 6B-3, Staten Island, New York. *Project Manager/Resident Engineer.* Headed a team led by Jacobs including subconsultants to provide construction phase services for this $64 million tunneling project which entailed inspection of shaft construction, soft ground tunneling, direct pipe jacking of a 60-inch fiberglass pipe by utilizing a remotely controlled microtunneling mole, chemical and cement grouting, dewatering installation, monitoring of ground settlement. Responsibilities included supervision of field inspection personnel, critical document control, progress payment approvals, monthly progress reports, estimating, change order negotiations, schedule projections, and subconsultant contract administration. Evaluated and analyzed claims and change orders worth $40 millions.

New York City Department of Environmental Protection, East 233 Street and Webster Avenue, Combined Sewer Project, Bronx, NY. *Resident Engineer.* Provided resident engineering inspection services for the construction of a 10-foot diameter combined sewer tunnel underneath the existing commuter railroad and major highway. Responsibilities included inspection of inlet shaft in compressed air and open cut box sewer construction, processing of monthly payments, change orders, progress reports and coordination of work.

Nejat Hedvat, PE
Resident Engineer
Jacobs

Education:
MS, Civil Engineering
BS, Civil Engineering

Registrations:
Professional Engineer: New York, 1979 (#[redacted]

Years of Experience:
38 Years

Professional Engineer NY/NJ #[redacted]

Nejat Hedvat, PE brings over 38 years of experience in both design and construction management. His project management experience includes performing design and constructability reviews, supervision of construction engineers, inspectors and project controls staff, oversight of contractor activities, payment approvals and change order negotiations, contracts' compliance and municipal and utility interfaces.

RELEVANT EXPERIENCE

Brooklyn Battery Tunnel Ventilation Building Repairs - ($30 Million) MTA Bridges & Tunnels. *Resident Engineer,* responsible for administering all facets of the Project (4 Ventilation Buildings and 3 separate Contracts) including, supervision of Construction Engineers, Inspectors and Project Control Staff, Contract Compliance, utility interfaces, payment approvals and change order negotiations. Directed project environmental resolution efforts including hazardous material abatement. Responsible for maintaining complete operational status of this round the clock facility.

Brooklyn Battery Tunnel Roadway Rehabilitation Project - ($65 Million) MTA Bridges & Tunnels. *Resident Engineer,* responsible for administering all facets of this project including, supervision of construction engineers, inspectors and project controls staff, payment approvals and change order negotiations, contracts' compliance and municipal and utility interfaces. Directed project environmental restoration efforts including hazardous materials abatement and landscape restoration. Responsible for maintaining complete operational status of this round the clock facility.

Queens Midtown Tunnel Roof Replacement and Tunnel Rehabilitation - ($97 Million) MTA Bridges & Tunnels. *Resident Engineer,* responsible for administering all facets of this project including design and constructability review, supervision of construction engineers, inspectors and project controls staff, oversight of contractor specifications compliance, payment approvals and change order negotiations, contracts' compliance and municipal and utility interfaces. Directed project environmental restoration efforts including hazardous materials abatement and landscape restoration, implementation of complex maintenance and protection of traffic. Responsible for maintaining complete operational status of this round the clock facility.

Brooklyn Battery Tunnel Roof Replacement and Tunnel Rehabilitation - $60 Million MTA Bridges and Tunnels. *Resident Engineer,* provided management and direction for the performance of the contractors and corresponding activities of the construction management staff. Other duties included resolution of design problems, resolving drawing conflicts, monitoring and facilitating the processing of contractor submittals, work authorizations, and negotiating change orders. Other responsibilities include monitoring contract compliance with respect to safety, quality assurance, cost, scheduling and payment requisitions.

Rick Wenger, PE
Project Manager
Jacobs

Education:
B.E. Mechanical Engineering

Registrations:
Professional Engineer: CA

Years of Experience:
19 Years

Professional Engineer NY/NJ
[redacted]

Rick Wenger is a licensed professional engineer with over 19 years of construction management/ inspection experience. Mr. Wenger is an experienced Resident Engineer with attentiveness to details and options. Past and present experience has primarily focused on constructing and renovating NY City and NY State owned vehicular repair, parking, and administrative facilities with diversified and specialized equipment including fuel storage and dispensing, pneumatically and electrically operated vehicle repair, lifting and frame straightening, and machine/ blacksmith shop. Pre-construction duties have entailed scope development through the understanding of user needs, preliminary and final design documents constructability reviews, preparation of pre-bid Addendums, conducting pre-bid walkthroughs, and bid evaluation/ award.

RELEVANT EXPERIENCE

Rehabilitation of Garage Floor at Central Repair Shop, New York City Department of Sanitation, Queens, NY. *Project Manager.* $10 million demolition and reconstruction of elevated concrete slabs and supporting structural steel for three 20,000 SF garages in an existing, operational facility including installation of a high pressure steam bypass system to de-energize steam piping below, temporary support and protection of ductwork and plumbing assemblages, replacement of electrical busway, lighting, public address and power distribution equipment and enhancement of an oil/water separator system.

NYC Department of Environmental Protection Hillview Reservoir, Yonkers, NY. *Resident Engineer.* Jacobs is providing construction management services for this $500M project which involves improvements to the 90-acre, 900-M-gallon reservoir located in Yonkers. Chlorination of 85 to 90 percent of city water takes place at the reservoir, also pH balance monitoring and corrosion control. Improvements include chamber reconstruction and a chloride addition facility.

MTAB&T's Battery Parking Garage, New York, NY. *Resident Engineer.* $30 million Structural Repairs and Lighting System Improvement; and Mechanical, Plumbing, Fire Protection and Electrical Rehabilitation and Upgrade of the Battery Parking Garage.

New Service Building at Bronx Whitestone Bridge, The Bronx, NY. *Resident Engineer.* Jacobs provided construction inspection and support services to the MTA Bridges and Tunnels for the $15M, 33,000 SF New Service Building at the Bronx Whitestone Bridge. The New Service Building provides space for operations, maintenance and engineering units attendant to the operation of the Bronx Whitestone Bridge Facility. Specifically, it includes locker rooms, muster rooms, administrative offices and repair garages. Security systems coincident with toll collection operations were integral to the facility.

Anthony Markopoulos, PE
Field Engineer
Jacobs

Education:
B.S. Mechanical Engineering

Registrations:
N/A

Years of Experience:
8 Years

Professional Engineer NY/NJ
[redacted]

Anthony Markopoulos, PE is experienced in construction administration procedures including: construction inspections; preparation of construction estimates and CPM schedule reviews; and constructability reviews. Although, a recent Graduate, with a BS in Mechanical Engineering, he is very experienced in various areas of the construction industry.

RELEVANT EXPERIENCE

General Services Administration, Region 2 U.S. Mission to the United Nations, New York, NY. *Project Engineer.* Jacobs is providing on-call construction management services to GSA, Region 2. The new facility will be a heavily reinforced 26-story 150,000SF high-rise constructed of reinforced concrete. Responsibilities include tracking submittal statuses, maintaining a submittal log, ensuring timely submission and return of submittals by the General Contractor and Architect/Engineer, coordinating shop drawings and managing meetings between the contractors involved with the project's multiple contracts, and providing construction activity, labor count and photographs to the client with daily and weekly reports. Also responsible as the on-site representative of Company's Commissioning Agency and for providing technological and logistical support to upper management.

Pfizer World Headquarters, New York, NY. *HVAC Design Engineer.* Performed load calculations, routed and sized ductwork and piping, and selected air handling and ventilation equipment as per the project specifications. Approved contractor shop drawings and equipment selection and punch list construction.

Transportation Security Administration, Queens, NY. *HVAC Design Engineer.* Performed load calculations, routed and sized ductwork and piping, and selected air handling and ventilation equipment as per the project specifications.

GE Financial Services, Stamford, CT. *HVAC Design Engineer.* Performed load calculations, routed and sized ductwork and piping, and selected air handling and ventilation equipment as per the project specifications. Coordinated with Architect and Client on design changes and issues. Approved contractor shop drawings and equipment selection and punch list HVAC work when completed.

Port Authority of New York and New Jersey, New York, NY. *Construction Management Intern.* Supervised projects involving heating, ventilation, and air condition applications, civil engineering and general construction; provided solutions to project related issues on-site in conjunction with contractors and design engineers from unexpected field conditions to design problems; coordinated with airport security to maintain site security; and submitted daily reports detailing progress on all projects.

Michael Moskowitz, PE
Structural Engineer / Department Manager
Jacobs

Education:
Master of Civil Engineering
Bachelor of Civil Engineering

Registrations:
Licensed Professional Engineer, NY and NJ

Years of Experience:
27 Years

Professional Engineer NY/NJ #[redacted]

Michael Moskowitz, PE, is the Structural Department Manager at Jacobs in charge of bridge design, inspection, and geotechnical engineering. He is a Project Manager with many years of commuter railroad and bridge and geotechnical design and inspection experience.

RELEVANT EXPERIENCE

NJTA Southern Deck 2008 Rehabilitation – Project Manager for the annual, capitalized maintenance of selected bridge structures along the southern half of the New Jersey Turnpike. This program provides construction for approximately $5 Million of construction annually. As part of the design program, also supervised coring and ground penetrating radar (GPR) efforts to support findings.

NJDOT US RT 9 over NJ RT 70 – Bridge Deck Structural Design Report: Project Manager responsible for developing a conceptual design report/ engineering study to replace the superstructure for the subject bridge, located in the Township of Dover, N.J. Also developed seismic retrofits, and substructure repair conceptual details. The report has been delivered and accepted, resulting in a final design contract to effect the recommendations of the report and incorporate the conceptual design.

Design-Build Documents – Metro North New Haven Line (NYS) Stations: Project Manager for the conceptual level design for the improvements of eight (8) Metro North stations. Provided inspections, plan developments, force account coordination, and structural engineering expertise to provide solutions to bring these stations to a state of good repair as well as in conformance with Metro North Station Standards. Utilize multiple offices to provide direct support, and specific expertise towards the specific, final solutions to ensure quality of the product, which is the production of design-build documents.

Metro-North Undergrade Bridge Inspections and Load Rating Program, and Emergency Repairs, New York, NY: Project Manager for the inspection, load rating and prioritization of two major capital improvement programs for both the East, and West of Hudson lines. He has managed and been involved with the inspection, rating, and prioritization of a total of over 360 undergrade bridges in New York State for Metro-North. He also managed the design efforts for repairs to multiple bridges utilizing both third party contractors, and Force Account forces. Both of these structures are approximately 100 year old historic structures.

Metro-North Railroad Park Avenue Tunnel, Fire, Survivability, Ventilation and Emergency Egress Study, New York, NY: Project Manager for investigation/reporting for comprehensive fire, survivability, ventilation and emergency egress study of the Park Avenue Tunnel between Grand Central Terminal and 97th Street in Manhattan. The tunnel has no provision for mechanical ventilation and has only three emergency exits in its entire 2.5 mile length.

John Mason Howell, AIA, RCDD
IT Design Review
Jacobs

Education:
B.A. School of Architecture and Urban Planning Architecture (minor in Acoustics and computer graphic studies)
B.S. Electrical Engineering

Registrations:
Registered Architect: NY
RCDD, Building Industry Consulting Services International (BICSI)

Years of Experience:
25 Years

Registered Architect New York #[redacted]

John Howell, AIA, RCDD possesses a comprehensive background in all phases of management and technology and is particularly adept at integrating this in the fields of architecture and construction. Serving as Jacobs' Technology Manager, John has attained diversified expertise in technology infrastructure design services, technology project and construction management, architectural programming services, design, cost accounting and manpower allocation systems, project scheduling, long range facility planning, migration planning, Furniture, Fixtures & Equipment (FF&E) inventory and procurement services, and computer systems consulting.

John is currently providing technology design and technology construction management oversight to the AIA (American Institute of Architects) NY Chapter in the development of their new facility, the Center For Architecture, due to open in October 2003. John's aggressive RFQs for voice, video, data equipment and services will deliver top-tier technology at prices this not-for-profit member organization can afford.

RELEVANT EXPERIENCE

Eisenhower Executive Office Building Modernization, Washington, DC Technology and Physical Security. *Program Manager.* Jacobs provided construction management services for the modernization and security upgrades for the historic Eisenhower Executive Office Building (EEOB), on the grounds of the White House Complex and houses various agencies that comprise the Executive Office of the President. The project includes phased construction of an occupied facility. The first two of the three total phases have achieved final completion and substantial completion.

John's role is Program Manager coordinating and overseeing integration of end-user Agencies' unclassified and classified voice and data technology implementation and integration with overall building technology fit-out, including major systems upgrade. John is also coordinating overall Physical Security (access control, intrusion/alarm, video surveillance, and emergency notification) Systems for EOP.

Dumbarton Oaks Research Library & Collection, Washington, DC (an affiliate institution of Harvard University) *Technology Infrastructure Program Manager — Capital Construction & Renewal Program.* Acting as Owner's Representative for voice, data, and security infrastructure and services for this landmark institution and museum, John had the following responsibilities: reports to Directors of Finance; Facilities; Security Ops; Information Technology and interfaces with Architect, Engineers, Construction Manager, and specialists; works with client to determine long-term client technology needs and priorities; Develops and manages budgets and funding requests; specifies IT (wired and wireless) campus infrastructure and products; manages technology and security implementation schedule; successfully managed temporary voice/data/security infrastructure during temporary 'swing-space' relocations of staff necessary for proper construction sequencing; and is Project Manager for installation of devices and "head-end" equipment for security alarm, CCTV, access control

Michael C. Stevens
Structural Engineer
Jacobs

Education:
M.S., Construction Management
B.S., Civil Engineering

Registrations:
ACI Concrete Special Inspector Certified

Years of Experience:
4 Years

ACI Concrete Special Inspector Expires 5-26-2015

Michael Stevens has experience in structural analysis and design of bridges and stations. In addition, he is experienced in schedule making. He has gained working knowledge of AISC Manual of Steel Construction, and utilized various structural software (STAAD, SAP) and CADD software (MicroStation-J, MicroStation-V8, and AutoCAD), and Primavera P3 Scheduler.

Michael is a Resident Assistant at Stevens Institute of Technology and has experience in conflict mediation, administration, programming, and community building within the college environment.

RELEVANT EXPERIENCE

NJ TRANSIT, Penn Station New York-31st Street Entrance Design for 7th Avenue Concourse, New York, NY. *Technician* responsible for creating structural and architectural details in MicroStation, responding to RFIs and shop drawings, and conducting field visits to review site conditions and take measurements.. Project involves providing a street-level entrance building to the 7th Avenue Concourse below street level. Jacobs provided structural, architectural, electrical, and mechanical engineering services for the design of the entrance building.

NJ Department of Transportation, Route 36 Highlands Bridge over the Shrewsbury River, Highlands. *Technician* responsible for assisting in the coordination and development of the Final Design submittals, which involved developing cost estimates using NJDOT spreadsheets and standard programs; developing list of pay items both standard and non-standard; coordinating efforts of drawings for various disciplines; creating several different construction schedules; and responding to comments from the residents of Highlands and Sea Bright. Developed Coast Guard Permit drawings. Developed PowerPoint presentations for Community Outreach programs and Historic Sites Council meetings. Currently working on shop drawing and RFI responses. Project involves the final design of a fixed bridge to replace on-line a 1,240-foot long, low-level double leaf bascule bridge. The new bridge features twin precast segmental concrete box girder structures (mainline and curved exit and entrance ramps) designed to be built by the balanced cantilever method. During final design, involved in the development various drawings including traffic control and staging plans, ITS plans, overhead and cantilever sign structures, quantities and rebar list development for various elements.

NJ Department of Transportation, Route 7 Wittpenn Bridge over the Hackensack River, Kearny, NJ. *Technician* responsible for developing various drawings for the vertical lift span and approach spans; analyzing the existing vertical lift towers using STAAD; creating PowerPoint presentations for ASCE and SHPO; and creating permit drawing for the U.S. Coast Guard during the Final Design and Interim Repair Stages include: Project involves the preliminary design of a 9,500-foot long, mid-level bridge carrying Route 7 across the Hackensack River between the Town of Kearny and the City of Jersey City, NJ to replace the existing Wittpenn Vertical Lift Bridge (one of the "Tri-Hack"

Robert Morris
Senior Inspector
Jacobs

Education:
B.S., Civil Engineering

Registrations:
NICET - Level IV, Transportation Engineering Technology, Highway Construction, #[redacted]
Expires 02/01/13
Rutgers, Traffic Control Coordinator (TCCP), Course #662, Earned 2005, Refresher 2010
ACI, Concrete Field Testing Technician, Grade I, Expires 04/14/15
ACI, Concrete Construction Technology Course (CCTC), Expires 04/2015
NJSAT, Asphalt Technology Certificate, Asphalt Paving Construction Technologist, Expires 07/01/11

Years of Experience:
24 Years

ACI Concrete Special Inspector Expires 4-13-2016

Robert Morris has extensive experience having served as Senior Inspector on a number of large, complex highway and bridge construction and rehabilitation projects. His experience includes but is not limited to the replacement structural components in conjunction with the construction and rehabilitation of bridges, construction of new roadways, paving and resurfacing, blasting, drainage structures, drill shafts, retaining walls, toll plaza reconstruction, utilities, and tides gates. In addition, Robert has designed water treatment systems, drainage and sewer systems, and pump stations.

RELEVANT EXPERIENCE

County of Somerset, Construction Inspection Services for the Rehabilitation of Main Street Bridge Over Raritan River and Improvements to South Middlebush Road, Somerville, NJ. *Senior Inspector* responsible for inspection services to Somerset County for the Rehabilitation of County Bridge No. H0706 (Queens Bridge) Main Street Over Raritan River & Improvements to South Middlebush Road (County Route 615), at Blackwells Mills Road. The scope of work included the replacement of two culverts and retaining wall on South Middlebush Road (existing culverts and retaining wall were replaced with precast units); installation of a traffic signal at the intersection of Blackwells Mills Road and South Middlebush Road; widening of South Middlebush Road for approximately six feet on each side between the intersection of Blackwells Mills Road and Skillmans Lane; widening of Blackwells Mills Road of approximately 10 feet x 220 feet to the south; and widening (and realignment) of Skillmans Lane of approximately 12 feet x 240 feet.

NYS Dept. of Transportation, Gowanus Expressway, Brooklyn, NY. *Senior Inspector* for the rehabilitation of the viaduct from 6th Avenue to the Brooklyn Battery Tunnel. Inspection assignments included concrete deck repair and replacement, lead paint removal using Class A containments, structural steel evaluations and repairs and joint replacements. The entire project was constructed in a high volume high-density area that included active inspection of MPT detours and schemes.

NYS Dept. of Transportation, Henry Hudson Parkway, New York, NY. *Senior Inspector* for the rehabilitation of seven bridges between 120th and 181st Streets in Manhattan. Inspection assignments included replacement of all bridge-armored joints, replacement of bridge bearings and deteriorated steel members – all in a high volume environment with extensive MPT.

NYS Thruway, I-287 / I-87 Interchange 8 Projects, Westchester, NY. *Senior Inspector* for the widening of NYS Thruway from the Saw Mill River Parkway to Tappan Zee Bridge. Inspection assignments included replacement or rehabilitation of eleven bridges, building of new roadways using "superpave," blasting of rock, new drainage structures, drill shafts, retaining walls and the construction of a new toll plaza. Estimated Construction Cost $168 million.

Dean Lerescu
Senior Inspector
Jacobs

Education:
B.S., Civil Engineering/
Structural Engineering

Registrations:
ACI Concrete Construction
Special Inspector – Expires
04-07-2016

Years of Experience:
30 Years

ACI Concrete Special Inspector Expires 4-7-2016

Dean Lerescu has over 30 years experience in design and construction inspection of industrial buildings housing various utilities and transportation facilities, including ITS. Representative clients include the MTA Bridges and Tunnels, the New York State Thruway Authority, New York State Department of Transportation, Con Edison and others. Dean also has extensive experience with computer programs for structural analysis (Staad, Strudl, Ansys), and is familiar with the computer-aided design software.

RELEVANT EXPERIENCE

Amtrak-Pelham Bay Bridge Infrastructure Rehabilitation. *Field Engineer.* Duties includ construction inspection and quality assurance at the start-up of the restoration process, to insure compliance to the contract specifications. The scope of work included primarily the demolition and restoration of the deteriorated concrete piles which are partially submerged in the water and exposed to weather conditions. The restoration consisted of a tightly fitted reinforcing steel cage over the length of the pile and a permanent fiberglass, cylinder shaped, jacket installed over the cage, also working as a form for pouring of the repair grout designed to fill it.

MTA Bridges and Tunnels, Contract BB-80, Repairs to the Ventilation Buildings at the Brooklyn Battery Tunnel *Senior Inspector* providing construction inspection services for the repairs of the Ventilation Buildings at the Brooklyn Battery Tunnel. The scope of work included the demolition and restoration of the deteriorated sections of the brick and/or concrete covered structural elements (beams, columns, floor slabs, etc.).Following the demo, the exposed structural steel was first abated wherever covered by lead base paint. Subsequently the exposed areas were treated with corrosion resistant coating and finally, the masonry/concrete encasement was restored. Another contract item was the joint pointing on the bricks, granite panels and coping stones, as well as the brick/concrete crack and spall repairs.

MTA Tunnels and Bridges, Contract AW-36 – CCTV and Fiber Optic Upgrade Authority-Wide *Assistant Resident Engineer* on the $13 million MTA – Bridges and Tunnel Authority-wide contract (AW36) involving the installation of CCTV cameras and the optical fiber upgrading at five TBTA facilities throughout New York City. The contract called for new CCTV cameras to be added at certain locations along the roadways at each of the four bridges (Marine Pkwy, Verrazano Narrows, Throgs Neck and Henry Hudson) and at Manhattan Midtown Tunnel.

New York State Thruway Authority, Variable Message Signs, Transmit and CCTV Cameras, Westchester County, NY *Senior Inspector* on this $4 million ITS contract. The work included the installation of 17 CCTV camera sites, 18 TRANSMIT sites, and 2 VMS locations, along 30 miles of the New York State Thruway starting at the NYC line. The CCTV cameras were installed along with the Field Cabinets on poles erected on reinforced concrete foundations.

Paul DeCasas
Inspecor
Jacobs

Education:
B.S., Construction Engineering Technology, A.A.S., Civil and Construction Engineering

Registrations:
ACI Concrete Certified
NICET - Associate Engineering Technician #[redacted], Expires 03/01/11
NICET - Level IV, Transportation Engineering Technology, Highway Construction, #[redacted] Expires 03/01/11

Years of Experience:
26 Years

ACI Concrete Special Inspector Expires 5-26-2015

ICC Structural Steel & Bolting Expires 2-5-2017

Paul DeCasas has extensive construction inspection and observation experience having served as a Construction Manager, Resident Engineer, Assistant Resident Engineer, or Construction Inspector on numerous transportation and communications projects throughout New Jersey and Delaware. Paul has provided construction inspection services for highways, bridges, local and state roads, and railroads for clients including NJ Department of Transportation (NJDOT), NJ Turnpike Authority (NJTA), MTA-Long Island Rail Road (LIRR), MTA-Metro North Railroad (MNR), the Port Authority of New York and New Jersey (PANYNJ), and Somerset, Essex, Middlesex, and Ocean Counties.

RELEVANT EXPERIENCE

NJ Turnpike Authority (NJTA), Supervision of Construction Services. *Resident Engineer* responsible for day and night work cycles to rehabilitate land and water spanning bridges. Mr. DeCasas oversaw construction of concrete repairs on substructure members (abutments, piers, columns, caps), structural steel repairs (on damaged girders, haunches, bearings, diaphragms), utilization of temporary shoring/jacking towers to support deck stringers, applied epoxy waterproofing, localized SSPC SPC6 cleaning of lead based paint systems for steel repairs with Level 4 – Class 4 containment then recoating with an epoxy mastic paint, completing emergency steel repairs under on-call status, MPT for lane closings on GSP and NJDOT roadways.

County of Somerset, Somerset County - Duer Street Bridge, Somerset, NJ. *Resident Engineer/Inspector* responsible for overseeing and inspecting the reconstruction of the single span bridge including existing superstructure demolition and cast-in-place concrete construction for rebuilt abutment wall caps and new deck assembly, re-pointed mortar joints and replacement of natural stone sections of the remaining abutments and wingwalls, construct concrete deck with stay-in-place pans atop new galvanized stringers, construction of cast-in-place pylon walls with ornamental precast baluster for fascia parapet, reconstruction of approach roadways to new bridge profile, drainage improvements, and new curbing and sidewalk. He coordinated primary electric and telephone utility relocations, monitored MPT and long-term detour scheme, public relations with local residents, and milling and HMA paving. He also completed all associated office work (shop drawing review, monthly estimates, change orders, general correspondence, progress schedule review.

County of Somerset, Construction Inspection Services for the Rehabilitation of Main Street Bridge Over Raritan River and Improvements to South Middlebush Road, Somerville, NJ. Resident Engineer/Inspector responsible for day, evening, and weekend work cycles for the improvements to South Middlebush Road (County Rte 615) at Blackwells Mills Road. Oversaw reconstructed and new roadway construction to realign vertical and horizontal geometry and left-turn lane additions, replacement of two storm sewer culverts with three-sided precast arch bridges and wingwalls, construction of +/-450 linear feet of a precast T-wall style retaining wall, cast-in-place footings for all precast elements, signalization of one intersection, and drainage improvements.

Apares Biswas
Inspector
Jacobs

Education:
B.S., Civil Engineering

Registrations:
NICET, Level IV
ACI Concrete Special Inspector

Years of Experience:
38 Years

Apares Biswas brings over thirty-eight years of valuable experience in the construction supervision and project management for bridges, highways, site development, buildings, and utility lines. Very specialized and extensive experience during last twenty one years in USA on major cable suspension bridges & highways construction supervision, construction management and contract administration.

RELEVANT EXPERIENCE

New Jersey Turnpike, Garden State Parkway and NJ DOT. *Resident Engineer.* Resident engineering and construction management work for Jacobs on various rehabilitation work for New Jersey Turnpike,Garden State Parkway and NJ Department of Transportation.

Port Authority of NY/NJ, *Assistant Resident Engineer.*
Resident engineering and construction management work on major rehabilitation of Goethals Bridge, Staten Island, New York. Handled independently the reconstruction project work of **68 million dollar** which included concrete deck replacement, replacement of structural steel & bridge joint system, top & under deck repairs, installation of new asphalt concrete layer with waterproofing and replacement of entire sidewalks & fire standpipes of the entire bridge

Port Authority of New York & New Jersey. *Chief Inspector and Assistant Resident Engineer.* Resident engineering inspection and construction management work for Jacobs on rehabilitation of Outerbridge Crossing, Staten Island, New York. A $87M dollar reconstruction project include major deck repairs (full depth/partial depth), replacement of all expansion & deflection joints, replacement of supporting structural brackets & steel girders, installation of new fire line, reconstruction of truss span steel and concrete side walk, installation of new scuppers, water proofing membrane & asphalt paving for the deck, reconstruction of new drainage troughs, piping and miscellaneous electrical work.

New York City Department of Transportation, East River Bridges. *Assistant Resident Engineer.* Brooklyn Bridge Emergency Design-Build Suspended Span Deck Replacement and Structural Repair, $50M Project. Work responsibilities include finalization of contract drawings, reviewing shop drawings, shop inspection, construction supervision & project management for the entire assignment, quality control, record keeping, lead handling, work safety, maintenance and protection of traffic, field office management, progress review & monitoring, coordination with clients & contractors, payments to contractors and monthly estimate for the project.

ACI Concrete Special Inspector Expires 6-26-2017

Leonardo Nunez (Techno) Inspector

Education:
Business Management

Registrations:
ICC Structural Steel and Bolting Special Inspector
ACI Concrete Construction Special Inspector
ACI Concrete Filed Testing Technician – Grade I Certification
MTA NYCT Track Safety Path Roadway Worker Protection Certification (Employee in Charge)

Years of Experience:
15 Years

ACI Concrete Special Inspector Expires 12-10-2014

ICC Structural Steel & Bolting Expires 3/31/2015

Leonardo Nunez has 15 years of experience as a Civil Construction Inspector. This knowledge has given him the expertise in inspecting for different projects in which he supervised 400 guest room renovations, inspected the construction for the phase of the MTA 1/9 subway lines and performed construction inspection for transit center police renovation.

RELEVANT EXPERIENCE

New Jersey Journal Square Transit Center Police Command Renovation & Christopher Street Substation Upgrade/Renovation, The Port Authority of NY & NJ
Leonardo's responsibilities working at Journal Square Transit Center Police renovation & Christopher Street Substation upgrade consists of performing construction inspection for conformance with the plans and specifications, and report any deviations to the Resident Engineer. Preparing and maintaining daily construction inspection reports, which shall indicate the Contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain payment records, including the verification of the contractor's time and material sheets, and assist in the review of the contractor's partial payment requests. Identify potential extra work issues and keep Resident Engineer advised of issues. Prepare estimates of extra work, Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Review plans for constructability and prepare comments. Assist in the preparation and negotiation of construction change orders. Coordinate with the contractor towards the preparation of the CPM schedule.

PB-URS-World Trade Center Transportation HUB/SITE, The Port Authority of NY & NJ
Leonardo's responsibilities included inspection of construction during underpinning (preloading/loading) phase of the MTA 1/9 Subway line, demolition, excavation and clean-up for Towers Two, Three, Four & Path Hub building areas. Assisting as requested by Resident Engineers, on both the East and West Bathtubs work packaged by conducting inspection services during construction of WTC East/West connector. Ensuring arch erection, concrete/steel reinforcement installation and fire proofing application was performed in accordance with the approved contract documents. Assuring project site specific rules and regulations and applicable plans for operations management, site safety and quality management are followed.

NY Hilton & Towers, New York, NY
Mr. Nunez's responsibilities included management and coordination of staff members; assigned tasks to various trades as an engineering and maintenance dispatcher.

Iqbal Feroz (Techno) Inspector

Education:
B.S., Civil Engineering

Registrations:
ACI Concrete Construction Special Inspector
Cert#[redacted]
ACI Concrete Field Testing Technician Grade I
Cert#[redacted]
ICC Special Inspector - Structural Steel and Bolting Inspection

Years of Experience:
20 Years

ACI Concrete Special Inspector Expires 3-11-2015

ICC Structural Steel & Bolting Expires 9-21-2016

Iqbal Feroz has 20 years of experience working on diversified projects. He is a skilled Inspector having performed work very successfully on the different projects, Construction, Water Supply and Water Treatment. He is familiar with the various day-to-day reporting requirements for Civil Engineering Projects.

RELEVANT EXPERIENCE

Storm and Sanitary Sewers in South Railroad Street, Borough of Staten Island for NYCDDC, NY Iqbal's responsibilities include inspection and preparation of reports for the installation of DI Pipe Water Mains at various streets, inspection and preparation of reports for the installation of Storm Water Sewer at various streets and inspection and preparation of reports for the installation of Sanitary Sewer at various streets.

QED 992, Water Main Work in Various Locations (Grand Ave., 188 Str., ETC.) for NYCDDC, NY
Iqbal was responsible for performing construction inspection; coordinate with the field and the design team to resolve conflicts in the drawings; coordinate with contractor and the Maintain as-built drawings of the work; Perform all other inspection and field duties as required by the Resident Engineer. Resident Engineering Inspection Services for NYCDDC Capital Water Main Project limits in very highly traveled areas in Queens (QED 992): Grand Central Parkway, Union Turnpike and Queen Blvd along with numerous side streets. The area has numerous commercial businesses and MTA bus route, NYC Transit Subway system along Queens Blvd. The project comprises of replacing of old unlined cast iron water mains with new 8-in, 12-in, and 20-in water distribution and fire protection systems in the busiest area of Queens.

East Windsor Twp. Water Mains Improvement Project, NY
Iqbal was responsible for the preparation of daily construction inspection reports, which indicated the contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain payment records, including the verification of the contractor's time and material sheets, and assist in the review of the contractor's partial payment requests. Monitor contractor's work progress based upon his approved construction schedule and report any deviation. Perform all field duties as required by the Resident Engineer. The Township of East Windsor, New Jersey is embarked a project for the Improvement of their Water Main, which includes laying of 5,645 feet of pipes in three different segments.

CSO Abatement Project for the City of Newark, NJ
As a Civil Inspector, Mr. Feroz was responsible for performing construction inspection for conformance with the plans and specifications, and report any deviations to the Resident Engineer; prepare and maintain daily construction inspection reports, maintain and update shop-drawing log; coordinate with the field and the design team to resolve conflicts in the drawings; review contractor's monthly requisition; coordinate with contractor and the maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings; perform all other inspection and field duties as required by the Resident Engineer.

Wahaj Warsi
(Techno)
Inspector

Education:
B.S., Civil Engineering

Registrations:
ACI Special Concrete Inspector
ASCE Grade PIV
OSHA 10Hr.Construction Safety & Health Course

Years of Experience:
26 Years

ACI Concrete Special Inspector Expires 12-10-2018

Wahaj Warsi has extensive experience working on large projects in different parts of the world. He is a very skilled inspector having performed work very successfully on projects for CSO Abatement, Bridge Rehabilitation, Building Construction, and Water Supply. Wahaj is also very familiar with the various day-to-day reporting requirements for Civil Engineering Projects.

RELEVANT EXPERIENCE

REI Services for Resurfacing, Pavement Improvements and General Repairs at Various Locations within Brooklyn, the Bronx & Queens
Wahaj is responsible for the construction inspection for conformance with the plans and specifications; prepare and maintain daily construction inspection reports; maintain payment. The Project includes milling & resurfacing, concrete work (curbs, sidewalks and pedestrian ramps) and tree work.

Newtown Creek Wastewater Treatment Plant for NYCDEP, NY
Wahaj is responsible for the construction inspection for conformance with the plans and specifications; prepare and maintain daily construction inspection reports; maintain payment records, including the verification of the contractor's time and material sheets, and assist in the review of the contractor's partial payment requests. Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings and monitor contractor's work progress based upon his approved construction schedule and report any deviation.The project involves the completion of significant upgrades to the structures and systems that treat wastewater from a combined sewage treatment system. Some of the project elements include improvements to the plant bar screens, electrical, plumbing, HVAC, and controls and instrumentation upgrades, new screening and control buildings, new barge facilities and site work. The plant is undergoing a major capital improvement and upgrade program to expand its intended capacity from 1.2 to 1.8 cubic meters per day – a 50% increase. Process improvements will result in dramatic reductions of biochemical oxygen demand (BOD), and will help bring NYC into compliance with the secondary treatment standards required under the Clean Water Act.

Delaware Aqueduct Rehabilitation of Shafts 9, 10 & 18 for NYCDEP, Carmel/Kent, NY As a Cost Engineer, Wahaj was responsible for checking and reviewing certified payroll, prevailing wages and daily report with the inspector's reports; checking quantities and the percentage of work done; verify pencil copy of the invoices with the site representative and notify the contractor of any deviation; send out request for insurance verification for the contractor and their sub-contractors to NYCDEP; review final copy from the pencil copy and start processing payment and update payment log and make power point presentation for NYCDEP auditors. As a Civil Inspector, Mr. Warsi was responsible for supervision and inspection of structural steel, placing and splicing of rebar, quality and quantities of reinforced concrete in compliance of project specification; supervision of storm water and sewer water pipes (gravity and force main) inverts and elevations of distribution network containing of pump stations man holes and cleanouts.

Kurshid Anwar (Techno) Inspector

Education:
B.S., Civil Engineering

Registrations:
ACI Concrete Construction Special Inspector
ACI Concrete Field Testing Technician Grade 1
Cert#[redacted]
OSHA Confined Space Safety
Asphalt Paving Construction Technologist (SAT)

Years of Experience:
26 Years

ACI Concrete Special Inspector Expires 7-23-2018

Kurshid Anwar has extensive experience in heavy industrial projects, power plants, bridges, highways, drainage, earthwork projects etc. Anwar worked with Cansult Inc. in Riyadh Saudi Arabia in their Riyadh Sewerage and Storm Project & Supervised the construction of laying of RCC, AC, PVC, GRP pipes ranging from 8" to 72" in diameter and testing, manholes, catch basins, house connections etc. Construction supervision of pre-cast and cast in-situ concrete box channel with cell, retaining walls, level control for rock excavation and concrete pours. Construction of deep manholes, invert checking, catch basins, checking. Responsible for land development project which include planning, designing and specifications preparation for a sub-division of Toronto, Canada, including roads, water mains, storm water, sanitary and lot grading.

RELEVANT EXPERIENCE

REI Services for Resurfacing, Pavement Improvements and General Repairs at Various Locations within Brooklyn, the Bronx & Queens
Kurshid is responsible for the construction inspection for conformance with the plans and specifications; prepare and maintain daily construction inspection reports; maintain payment The Project includes milling & resurfacing, concrete work (curbs, sidewalks and pedestrian ramps) and Tree work.

REI Services for NYCDDC Annadale Road Sanitary & Storm Sewer Project, Borough of Staten Island, NY
As a Civil Inspector, Kurshid is responsible for the preparation of daily construction inspection reports; maintain payment records, including the verification of the contractor's time and material sheets, and assist in the review of the contractor's partial payment requests; Monitor contractor's work progress based upon his approved construction schedule and report any deviation; Perform all field duties as required by the Resident Engineer. He's also performing inspection of Micro-Tunneling for the 12" Sanitary Pipe about 2000 linear feet long. The $14M project includes laying of Sanitary and Storm Sewer in Annandale Road between Arden Avenue & Walcott Avenue; Detroit Avenue between Arden Avenue & Grantwood Avenue; Edgegrove Avenue between Carlton Blvd & Grantwood Avenue; Arden Avenue between Carlton Blvd & Ionia Avenue; Carlton Blvd between Drumgoole Road & Edgegrove Avenue; Grantwood Avenue between Ionia Avenue & Detroit Avenue. Installation of sanitary sewer in Carlton Blvd between Arden and Detroit Avenue; Arden Avenue between Ionia Avenue & Detroit Avenue; Ionia Avenue between Arden Avenue & Grantwood Avenue; Construction of Chamber on existing storm sewer at the intersection of Genesee Avenue and Richmond Avenue.

Downstate Misc. CM-Chemical & Petroleum Bulk Storage Facilities Upgrade - Wards Island WPCP
The project mainly consists of constructing a number of concrete containment pads to prevent spillage or contamination from chemical or fuel oil loading trucks. It includes modification of existing ferric chlorite and hypochlorite tanks. It also includes installing two new ferric chlorite tanks along with related pumps, dyke, piping and associated filling containment pad. The contract also includes work at Boiler Building where the existing temporary fuel tank has to be removed cleaned and replaced with a new 4,000 liter tank along with associated new piping, new transfer pumps and new 275 liter day tank.

Francisco Capito (Techno) Inspector

Education:
B.S., Civil Engineering

Registrations:
ACI Concrete Special Inspector
ACI Concrete Laboratory Testing Technician
ACI Concrete Field Technician Level 1

Years of Experience:
30 Years

Francisco Capito has 30 years of experience experience in conducting engineering inspections and testing, preparing reports, monitoring field activities, reviewing and approving plans and specifications, overseeing rebar and concrete placement, soil compaction, asphalt pavement inspection, masonry, fire stopping, fireproofing and trouble-shooting.

RELEVANT EXPERIENCE

Goethals Bridge Maintenance Building and Administration building Roof Replacement, The Port Authority of NY & NJ
Francisco Capito's responsibilities monitor contractor's daily work by installing roofing and flashing system; inspecting completed work in conformance with plans and specification; preparing daily inspection reports which indicates and includes work performed by the contractor, manpower and equipment used; assisting in other project field inspections; attending constructors progress meetings. The project is to remove and replace Goethals bridge maintenance and administration building roof (entire roof).

Downstate Misc. CM-Hunts Point WPCP Phase III Upgrade, NY
Francisco's responsibilities include reviewing submittals for the project, monitoring day to day construction activities; conducts review and approval of contractor's payment requisitions; conducts progress meetings, and prepares reports. The work includes emptying and cleaning the tanks, then replacing the seals between the roof slab and walls (upper corner - visualize the wall-ceiling interface in a room) and the seal between the wall and floor; replacing various mechanical components on the roof, sight glasses, sample ports, cavity drains, the roofing membrane and the various valves and pumps associated with the digester tanks.

CDM, NY: Catskill/Delaware Water Treatment Ultraviolet Light Disinfection Facility, NY
For the City of New York Department of Environmental Protection, Francisco was serving as the on-site resident inspector for the demolition of Catskill and Delaware aerators, the backfilling operations with +/- 200,000 cubic yards of fill materials, the construction of two dewatering system which includes the installation of 100+ ejector wells, the removal of contaminated and non-contaminated water and soil inside the supply and aerators pipelines and the daily activities performed by the contractor and sub-contractors.

Soil Vapor Extraction System Project, NY
Francisco Capito was serving as the resident project representative for the New York State Department of Environmental Conservation's (NYSDEC's) soil vapor extraction interim remedial measure project. Francisco's responsibilities have included reviewing submittals for the project, monitoring day to day construction activities, specifically the removal and disposal of excavated and augered contaminated material (soil) on the jobsite. He conducts review and approval of contractor's payment requisitions; monitors the start-up period on the new system; conducts progress meetings, and prepares reports.

ACI Concrete Special Inspector Expires 5-19-2017

Jonathan Pfingst
Senior Inspector
Jacobs

Education:
Construction Technology

Registrations:
ICC Structural Steel and Bolting Special Inspector, Exp. 10/2014

ACI Concrete Construction Special Inspector, Expires 04/2016

Years of Experience:
8 Years

ICC Structural Steel & Bolting Expires 10-2014

ACI Concrete Special Inspector Expires 4-07-2016

Jonathan Pfingst has been responsible for providing construction inspection services related to bridge deck repairs, resurfacing of bridges, and substructure repairs. Jon has inspected miscellaneous fender system repairs; bridge deck demolition; concrete decks/rebar; deck joints; spall repairs on the bridge deck and substructure piers; removal and installation of overhead structure sign panel; erection of temporary lighting systems and removal of existing bridge deck lighting; and construction of temporary work platforms. He has also inspected median and roadway barrier demolition; construction of temporary access road; roadway excavation; placement of temporary concrete barriers; application of temporary line striping; paving; and installation of new drainage systems and resetting inlet of frames and grates..

Jon is experienced with installation of lane shifts for stage construction and general maintenance and protection of traffic as well as daytime and nighttime lane closures on the NJ Turnpike, requiring coordination for slow-downs and ramp closures with the field supervisor for NJTA traffic operations. He is also familiar with working in environmentally sensitive areas including wetlands.

RELEVANT EXPERIENCE

NJ Turnpike Authority (NJTA), Construction Inspection for Contract T100.137-Easterly Hackensack River Bridge Reconstruction, Essex and Hudson Counties, NJ *Construction Inspector.* Construction Inspector responsible for inspecting the reconstruction of the Easterly Hackensack River Bridge, Structure No. EI09.83 from Milepost EI07.27 to Milepost E112.00 of the NJ Turnpike. Work inspected includes concrete deck removal and reconstruction; removal and reconstruction of deck joints; replacement of median barrier; wingwall modifications; substructure repairs; lighting improvements; structural steel repair and replacement; bearing replacement; access walkway rehabilitation; and timber fender repairs. Jon also inspected shoulder reconstruction; resurfacing; pavement striping; emergency and routine repairs; maintenance and protection of traffic (MPT) measures; and other incidental work. Additional items include membrane waterproofing; asphalt resurfacing; various types of spall repairs on the bridge deck; various types of joint reconstruction and replacement.

NJ Turnpike Authority, (NJTA), Bridge Deck Repairs and Parapet Improvements, GSP MP 0.0 to MP 150.0 and GSP Substructure Repairs, GSP MP 28.0 to MP 158.2 (12/2009-8/2011), E6X70800. *Inspector.* Inspector for both Contracts (P100.117 and P100.118), responsible for providing construction inspection services related to bridge deck repairs, resurfacing of bridges and substructure repairs. Inspection services consisted of installation of lane shifts for stage construction and general MPT lay-out, replacement of interior and fascia bay deck panels; reconstruction of fascia parapet curb, Types 4, 5, and 6 concrete deck spall repairs; Types 1 and 2 concrete substructure repairs (land and water piers), replacement of elastomeric bearings; and removal/replacement of HMA overlays on bridge decks and approaches.

Steve J. Goss
Special Inspector
Jacobs

Education:
N/A

Registration:
ICC Certified ADA Accessibility Inspector/Plans Examiner
ICC Certified Fire Inspector I
ICC Certified Master Inspector
ICC Certified Reinforced Concrete Inspector
ICC Certified Prestressed Concrete Inspector
ICC Certified Structural Steel Welding Inspector
ICC Certified High Strength Bolting Inspector
ICC Certified Structural Reinforced Masonry Inspector
ICC Certified Spray-Applied Fireproofing Inspector
ACI Certified Concrete Technician Grade 1

Years of Experience:
21 Years

ICC Structural Steel & Bolting Expires 2015

Steve Goss has more than 21 years of office and field inspection experience working on Wastewater Treatment Plants, Hospitals, Schools, Colleges, Police Facilities, Courthouses, Airports, Amtrak Maintenance Facility, Metro Light Rail, Convention Centers, Libraries, Office Buildings, Commercial Buildings, and Parking Structures. His projects total more than $1.5 Billion. Mr. Goss' experience includes inspection, quality assurance and control, scheduling, field and office supervision, as well as training of new inspectors and engineers.

RELEVANT EXPERIENCE

Amtrak – Los Angeles Maintenance Facility. *Quality Assurance Manger* for the construction of a $25 million 900' long concrete and structural steel building, site improvements, and the relocation of existing rail lines. Duties include Oversight of the Contractor Field Activities; Scheduling, Supervision, and Training of all Field Inspectors; Acting as the On-site Building Official/Fire Marshal – Enforcement of Local Building, Fire and Federal Railway Codes, as well as Insuring Contractor's Adherence to the Contract Documents; Document the Contractor's Weekly Progress; Review RFI's and Submittals; and Attend weekly Contractor/Owner's Meetings.

City of Bakersfield, CA Wastewater Treatment Plant #3 – 2007 Expansion. *Senior Building/Civil Inspector* for the construction of a $211 million expansion and upgrade of the City's existing Wastewater Treatment Plant. Duties include field inspection, (Architectural, ADA, Mechanical, Electrical, Plumbing; Structural and Civil); Scheduling, Coordination, Supervision and Training Junior Inspectors; Training Engineers work as inspectors; Enforcement of the California Building Codes, and Contract Documents; Review RFI's and Submittals; and Interact with the on-site Design Engineer.

The project includes 55 new structures: Administration/Laboratory Building; Operation and Maintenance Buildings, Headworks, Aeration Basins, Blower Building; Secondary Clarifiers; Dafts; Digesters and Control Building; Biofilter, Septage, and Tertiary Facilities; Cogeneration Building; Dewatering Building; RAS/WAS Facility; Pump Stations; Reclaimed Water Tanks; MCC Electrical Buildings, and Percolation Basins.

Kaiser Permanente Hospital – Downey, CA. *Inspector of Record* for the construction of a $650 million new six story acute care hospital, two story surgery center, and parking structure. Duties include field inspection, (Architectural, Seismic for M.E.P and Medical Gases, and Fireproofing); Daily documentation and monitoring of contractor's progress to insure that work is in compliance with the State Building Codes and Contract Documents; Interact with the on-site Architects and Engineers, as well as visiting State Engineers and Fire Marshals.

John Wayne Airport's Parking Structure Expansion Project. *Special Inspector* for the construction and expansion of the existing airport's $20 million 4 story parking structure. Duties include field inspections for the reinforced concrete and post-tension concrete; daily documentation and monitoring of the contractor's progress to insure that work is in compliance with the County Building Codes and interact with the Engineers/County Building Inspectors

Michael Caraway
Field Engineer
Jacobs

Education:
BS, Civil Engineering

Registration:
ICC Reinforced Concrete Special Inspector [redacted]
ICC Structural Steel & Bolting Special Inspector No. [redacted]
ICC Structural Masonry Special Inspector No. [redacted]
ACI Concrete Field Technician I No. [redacted]
ICC Spray-Applied Fireproofing Special Inspector No. [redacted]
OSHA – 10 hr Occupational Safety and Training Course
OSHA – Confined Space Certified

Years of Experience:
6 Years

ICC Structural Steel & Bolting Expires 2017

Michael Caraway has experience as a project engineer and quality inspector. He reviews and negotiates change orders and makes recommendations to the client. Michael's experience includes oversight of submittals, RFIs, logs, punchlist items and handling day-to-day issues to keep the flow of information in the office running smoothly and efficiently.

RELEVANT EXPERIENCE

Wastewater Treatment Plant #3, 2007 Expansion, City of Bakersfield, CA. *Project Engineer/Quality Inspector* on the $211 million Expansion of Wastewater Treatment Plant #3. Responsibilities included field inspection, (Architectural, ADA, Structural, Civil, Mechanical, Landscaping and Plumbing), scheduling, coordination, supervision, submittals, RFIs, logs, punchlist items and handling day-to-day issues keeping the flow of information in the office running smoothly and efficiently. The project included 55 new structures and over 388,000 square feet of landscaped area. Some of the structures included a new Operation Building, Administration/Laboratory Building, Maintenance Building, MCC Electrical Buildings, Headworks Building, Blower Building, Tertiary Facilities, RAS/WAS Facility, Cogeneration Building, Dewatering Building, Digester Control Building, Digester, Aeration Basins, Secondary Clarifiers, Dafts, Biofilters, Septage/Grease Receiving Station, Pump Stations; Reclaimed Water Tanks, and Percolation Basins. The project was completed within 30 months–with less than 4% change orders, and saving the client over $11 million with no claims from the contractor.

Project Engineer responsibilities included: Coordinating field testing and surveying activities; performed quality assurance and quality control inspections per jobsite specifications and California Building Code; issued non-compliance and deficiency reports to General Contractor and follow-up for timely resolution.

Michael also prepared detailed punch lists in conjunction with the City and Design Engineer.

Madera County Government Center and Parking Garage, Construction: $35M. The Madera County Government Center included a 130,300-sf, four story office building a 136,000-sf multi-level parking structure with all associated on and off-site improvements. Field Engineering responsibilities included: executed concrete quantities, trend log monitoring and project daily logs; assisted with field purchasing, equipment maintenance logs, weekly progress photos and safety programs and interpreted plans and specifications as needed.

Michael's Office Engineering responsibilities included: processed: shop drawings, submittals, RFIs, sub. pay applications, material deliveries; established a punch list numbering system for foreman to locate needed improvements per architect; and assisted with owner and subcontractor: change orders, as-built documentation, drawing reviews.

Sung Hun Cho
Inspector
WPA

Education:
Civil Engineering Coursework

Registration:
NACE Level 1
NICET III Highway Construction
NICET IV (Pending)
NICET Bridge Inspection I

Years of Experience:
9 Years

NACE LEVEL 1 CERTIFIED

Sung Hun Cho has studied Civil Engineering and has certifications as an ACI, NICET Level II as well as NACE CIP Certification. He has nine years of experience in the field inspecting a wide range of structures including existing condition surveys at seven buldings at JFK Airport as well as over 100 bridges, overpasses, on and off ramps and roads for agencies including New York and New Jersey State agencies as well as MTA. He worked on the MTA Bronx Whitestone Bridge, providing daily inspections on the bridge itself and the tower structures.

RELEVANT EXPERIENCE

Structural Rehabilitation and Maintenance of 12 Bridges on Routes 4, 1&9, 208, and NJ Turnpike in Bergen & Passaic Counties - Assistant Resident Engineer/ Lead Inspector performing management on other inspectors and assisting resident engineer. $9M project requires thorough inspection of bridge lead removal, repainting, and structural deficiencies. The contractors are required to remove all lead and hazardous material and re-do any concrete work, deck joints, and steel work. All work progress and inspections sheets were reported daily and documented. Structural rehabilitation and maintenance of 18 Bridges on Route 21 in Newark, Passaic, and Bellville Counties Lead Inspector - Performed routine structural inspection of state bridges in New Jersey. Prepared reports, AutoCAD and Micro station drawings, and equipment requirements on daily basis prior to each bridge inspection. Performed routine structural inspection of state bridges in New Jersey. Prepares reports, AutoCAD and Micro station drawings, and equipment requirements on daily basis prior to each bridge inspection. Coordinated with team leader on site and inspects bridges with most efficient and safe performance.

Bronx-Whitestone Bridge Field Inspector/Structural Inspector
Provided inspection services of the bridge and tower structures.
Main focus of this $40.0 M project was structural rehabilitation such as: Suspender Rope Shielding, Main Cable Shielding, Tower Structural, Bronx and Queens Anchorage Shielding Panels, Pedestal Fence Installation, Bronx Anchorage Gate Installation, Cable Acoustic Monitoring System, Final Punch List, and etc. Daily made direct contact with resident engineer and project manager from MTA and wrote report as per construction progresses. Responsibilities included monitoring the contractor's activities to ensure they were executed according to the contract plans, specs, shop drawings, etc., monitoring operations such as installation of steel plates, diaphragms, angles, beams etc. using bolted connections. Project involved inspecting Suspender Rope Shielding (Types 1 & 2), Main Cable Shielding, Splayed Main Cable Strand Shielding, Shielding Panels at Underside of Desk.

Inspection of 24 On and 13 Off-System Middlesex County Bridges, Group 12C7 and Inspection of 26 On and 23 Off-System Cumberland County Bridges, Group 06A8 Assistant Inspector
Cumberland County Bridges - Performed routine inspection. Prepared field reports, drawings, and equipment requirements on daily basis prior to each bridge inspection. Coordinated with team leader on site and inspected bridges with most efficient and safe performance.

William (Bill) Gove
Project Executive - Jacobs

Education:
B.S., Business Administration

Registrations:
N/A

Years of Experience:
43 Years

Bill Gove brings 43 years of experience in the construction industry working with Owners, Architects, Consultants and Contractors. His extensive and diverse experience includes senior management roles on both public and private sector work in the New York/New Jersey metropolitan region. Specifically, he has worked for many New York City agencies including the Department of Design and Construction, Department of Corrections, Department of Sanitation and Health and Hospitals Corporation. Bill is Manager of Projects in the New York office, overseeing the operations of all projects in the New York metropolitan, tri-state area.

RELEVANT EXPERIENCE

Port Authority of NY & NJ "Call-In" Contract 2011-2014 *Project Executive.* Responsible for executive oversight, management of staffing resources, and corporate-level support for this "Call-In" Contract for the Port Authority of New York & New Jersey.

New York State Office of General Services, Camp Smith Readiness Center. *Project Executive.* Responsible for executive oversight, corporate level support and the management of staffing resources for the Pre-construction and Construction Phases of a $30M, 112,000 SF new Readiness Center on the active Camp Smith Military Base in Cortland Manor, NY.

New York State Office of General Services, RMHU Program-Various DCS Facilities. *Project Executive.* Responsible for executive oversight, corporate level support and the management of staffing resources for the Pre-construction and Construction Phases of the existing facilities buildings expansions to provide treatment services for the New York State Department of Corrections mental health inmate population at Coxsackie, NY and Romulus, NY. Each of the buildings is 70,000 SF costing $30 million each.

Bronx Mental Health Campus Redevelopment, Dormitory Authority State of New York, Bronx, NY. *Project Executive.* Responsible for executive oversight, management of staffing resources, and corporate-level support for this $300M, 500,000 SF project. Master CM for the entire campus redevelopment project consisting of the construction of six new buildings, along with supporting infrastructure improvements on an operational campus.

Rockland Children's Psychiatric Center, Dormitory Authority State of New York, Orangeburg, NY. *Project Executive.* Responsible for executive oversight, management of staffing resources, and corporate-level support for this $40M, 104,000 SF project. Construction Management services to DASNY for the design and construction of a state of the art adolescent care facility for NYS Office of Mental Health at the Rockland campus in Orangeburg, New York.

Queens College, Remsen Hall Expansion, Dormitory Authority State of New York, Queens, NY. *Project Executive.* Responsible for executive oversight, management of staffing resources, and corporate-level support for the $30M project. CM Services include Pre-Construction, Construction and General Conditions Administration. The project consists of the construction and connection of a new 3-story, 29,000 SF addition to the existing facility.

Rick Fennema, CCM
Sr. Project Manager
Jacobs

Education:
B.S. Structural Design and Construction Engineering

Registrations:
Certified Construction Manager

Years of Experience:
33 Years

Rick Fennema, CCM has more than 33 years of experience in construction management, program management, claims management, trade supervision, scheduling, estimating, cost control, value engineering, construction engineering, and contracts management. His project experience includes delivery systems such as design-build, engineer-procure-construct, multi prime, general construction, development, and turnkey. Rick has completed hundreds of projects for a wide variety of industries including municipal, industrial, commercial, military, institutional, judicial, public safety, healthcare, power generation, transportation, and housing facilities. He has extensive experience in problem resolution and project rescue; and providing goals to lead projects to recovery while building a consensus among stakeholders. He has also led several construction investigation teams that have resulted in large savings for clients.

RELEVANT EXPERIENCE

Manhattan Supreme Court, Manhattan, NY. *Project Manager.* This project included a $38-million restoration and renovation of this landmark courthouse originally built in 1927. Scope of work for system replacements included provision of new: central HVAC system, power distribution system, fire alarm system, and lighting. Restoration scope of work included: finishes in landmark areas, bronze windows, central rotunda conservation painting, decorative painting in radiating corridors, exterior stone and fascia, skylights, interior and exterior bronze lighting fixtures. Renovation scope of work included: roof repairs, waterproofing, plumbing, security systems, and painting. The project was executed via multi-prime delivery method.

Battery Park City Utility Installation, NY. *Project Manager.* Scope of work included extending various utilities approximately 1,000 feet from the BPCA property line to vaults on the New York Mercantile Exchange site. They included medium pressure steam 16" and 22" diameter mains, high voltage feeders, telecommunications feeders, sanitary lines, fire water mains, city water mains, and gas mains. Asphalt roadway was removed and replaced, concrete structures were supported by piles, and utilities were routed around extensive existing utilities.

Fire Safety Systems Upgrade, NY. *Project Manager.* This project involved design-build services to upgrade and renovate 10 New York City owned buildings to bring them into compliance with city, state, and federal regulatory requirements applicable to fire safety systems and ADA requirements. The program spanned 4.5 million square feet of occupied building space. The buildings included: 7 operating civil court, criminal court, and family court buildings; and 3 various municipal office buildings.

NYCHHC Relocation of Corporate Offices, New York, NY. *Project Manager.* This project included New York City Health and Hospitals Corporation (HHC) consisting of 11 acute care hospitals, including Jacobi Medical Center in the Bronx and Bellevue Hospital in Manhattan; six diagnostic and treatment centers; four long-term care facilities; a certified home health care agency; and over 100 community health clinics. Extensive coordination issues were addressed to meet the needs of 750 employees who were relocating.

Andrew Kerr
Sr. Project Manager
Jacobs

Education:
B.S. Chemical Engineering

Registrations:
N/A

Years of Experience:
35 Years

Andrew Kerr has over 35 years of program and project management, engineering, and administrative experience in the design, construction, and operation of campuses, refineries, natural gas processing plants, chemical plants, advanced technology facilities, pharmaceutical facilities, semiconductor fabrication facilities, and remediation projects. As a Program and Project Manager, his responsibilities have included overall management of engineering, design, procurement, and construction activities. Additional responsibilities have included the administration and direction of all phases of contract execution, including assurance of technical quality, adherence to budget and schedule, commercial administration, and conformance with contractual requirements.

RELEVANT EXPERIENCE

Bronx Mental Health Redevelopment Projects, Bronx, NY. *Senior Program Manager.* Responsible for the design and construction of a new 500,000 SF six building campus on the grounds of and to replace the existing campus, constructed while maintaining all existing operations. Responsible for planning, budgeting, estimating, cost and schedule management, design and constructability reviews, coordination of BIM and LEED Silver certification with three separate architectural firms performing the designs, and construction management services.

Harvard Allston Development Group, Cambridge, MA, *Program Manager.* Responsible for the conceptual phase of this $1B LEED Gold scientific research and education center for Harvard University including three buildings with underground parking and central utilities system. Responsibilities included planning, budgeting, estimating, design and constructability reviews, and cost and schedule management.

Johns Hopkins University Applied Physics Laboratory, Laurel, MD. *Program Manager.* Responsible for the overall direction of the over $300MM campus wide development program including 6 new laboratory/office and technical support buildings and site wide infrastructure expansions. Responsible for planning, budgeting, cost and schedule management, and management of APL staff, Jacobs staff, architects and engineers, and general contractors while maintaining design and construction quality focus throughout design and construction.

Lawrence Livermore National Laboratory, Livermore, CA. *Deputy Project Director.* Responsible for the installation of the Beampath Infrastructure System for the National Ignition Facility. Responsible for coordination of engineering, fabrication, and installation of support structures and the integration of same with clean beampath construction.

Twp Pharmaceutical Projects, Madrid, Spain. *Manager of Projects.* Executed two pharmaceutical facility constructions involving offsite fabrication of high purity piping spools and on-site installation of same using various clean connection protocols; development of surface preparation techniques to turn 30 year old walls into pharmaceutical grade clean rooms; grass roots construction adjacent to operating facilities and revamp construction with-in those facilities.

Gus Xenakis, CCM
Sr. Project Manager
Jacobs

Education:
B.S. Architectural Technology

Registrations:
Certified Construction Manager, CMAA

Years of Experience:
25 Years

Gus Xenakis, CCM is a highly skilled project executive who is adept at building and maintaining long-term relationships with clients, designers and contractors. His experience in design and program management includes Wicks Law coordination, contract review and administration, phasing and logistics, construction management and all construction administration duties. Mr. Xenakis has managed and directed project planning, funding and design, constructability reviews, value engineering and cost estimating. He has managed bid documents preparation, and he is accomplished at developing bidder interest, evaluating bids, negotiating contracts and engaging consultants.

RELEVANT EXPERIENCE

Nassau County Building Consolidation Program, Mineola, NY. *Project Manager.* Provided program management for this four-year, $220 million program for Nassau County to reduce its ongoing cost of facilities and increase both productivity of employees and service to county residents. Managing design contracts, construction contracts and systems contracts. Also assisting the county in preparation of grant applications, compliance with the state's green building initiative, and the creation of a real estate database.

Brentwood UFSD Additions and Renovations, Brentwood, NY. *Project Executive.* Provided services for renovation and new construction projects at 18 sites within the Brentwood school district. Project included installation of new EDPM Firestone roofing systems, asbestos abatement of roof flashing and existing boiler rooms, installation of new boilers and control systems, removal of existing underground oil tanks and installation of new fiberglass tanks, replacement of existing asphalt parking areas as well as the installation of new learning technologies including computer stations, cable TV and security systems. Included the construction of six new building additions, which consisted of six new classrooms each.

Cold Spring Harbor CSD, Cold Spring Harbor, NY. *Project Executive.* Project was a four-phase, district-wide capital improvement program. Team members performed comprehensive condition assessments to determine the scope of renovation work to be completed and prepared cost estimates and construction schedules for the overall project.

Dormitory Authority State of New York, Lehman College, Bronx, NY. *Project Executive.* Performed retrofit of an existing building to include a new interstitial floor, multi-media center, computer center and chiller room into the sub-cellars of a 75-year old Educational building. The project has very specialized logistics and access constraints for both structural modifications and new chiller plant installation. The project was executed via the multi-prime delivery method.

New York City Department of Design and Construction, New York City, NY. *Project Executive.* Consisted of a two-year rehabilitation program for 11 schools. Services included building assessment, design management, and construction, followed by a three-year program to renovate 25 schools. The program first assessed the actual conditions and requirements that drive the

Curtis Casey
Project Manager
Jacobs

Education:
AS, Engineering – Solar Heating and Cooling Technology

Registrations:
N/A

Years of Experience:
30 Years

Curtis Casey has 30 years of experience in management, construction, and engineering, having worked for both design and contracting firms. He is a specialist in planning and delivery of large, complex projects; education, institutional health, heavy commercial, and corrections industries for City, State and Federal clients; research and manufacturing for industrial clients; HVAC systems design, particularly gas/oil-fired, hydronic, and steam heating; chilled water and water source heat pump systems; centralized HVAC and refrigeration; plants and distribution, for residential and multi-story commercial, industrial, and institutional facilities.

RELEVANT EXPERIENCE

Rockland Children's Psychiatric Center, Dormitory Authority of the State of New York, Orangeburg, NY. *Project Manager.* Providing full construction management services for DASNY, for the $47 million new 56 bed inpatient facility for children ages 11 to 18. The new inpatient spaces are four - 14 bed wards of approximately 10,000 square feet each and have an extensive range of outpatient and local school services.

District 1 & 4 Garages and offices for the New York City Department of Sanitation, New York, NY. *Project Manager.* This project involved the $80 million new construction for DOS on this multi-prime project. The project consists of 2 acres of site development to construct two new truck depots with associated district offices, and a third level borough office that bridges these two buildings all supported by an extensive grid of pipe piles for independent reinforced concrete and steel superstructures.

Polytechnic University, Brooklyn, NY. *Project Manager.* This project involved the $140 million expansion and development program which consisted of three primary construction projects for a New Academic Building/Athletic Facility, a New 20 story Dormitory and existing academic building Renovation. Facility infrastructure projects includes Elevators Modernization, Bathrooms Reno, Windows Replacement, and demolition and renovations to existing labs.

Brooklyn Juvenile Detention Center for the New York City Department of General Services, Brooklyn, NY. *Project Manager.* Responsible for construction phase management of a new $58.8 million, 120-bed medium security facility. Supervised field and office support staff (administration, scheduling, inspection and reporting) for this multi-prime project. Liaison to design consultants, contractors, user and client.

Manhattan Psychiatric Center for the New York State Facilities Development Corporation, New York, NY. *Assistant Project Manager.* Responsible for financial, contractual, administrative and personnel issues on this $110 million construction management/multiple prime/multiple project renovation and modernization program.

New Construction of Service Garages and Offices for the New York City Department of Sanitation. *Project Manager, Construction Manager.* $75M multi-prime project consisted of 2 acres of site development to construct 2 new truck depots with associated district offices, and a third level borough office that bridges these two buildings

John DeMase
Project Manager
Jacobs

Education:
BS Architecture/Construction Management

Registrations:
N/A

Years of Experience:
27 Years

John DeMase has over 27 years of construction and project management experience for multiple contracts program. As a Project Manager, his responsibilities have included overall management of design, procurement and construction activities. Additional responsibilities have included the administration and direction of all phases of contract execution, including assurance of technical quality, adherence to budget schedule and with contractual requirements.

RELEVANT EXPERIENCE

Smithsonian Institution, Cooper-Hewitt National Design Museum, New York, NY. *Project Manager.* Jacobs is providing construction management services for the Office of Engineering Design and Construction, as well as commissioning services. This includes review, manage and monitor general contractor, subcontractor and consultants construction activities. Provide contract administration services. Review and manage project schedule and identify potential delays as well as other related services. Ensure that contract specifications and plans are implemented accurately and efficiently. Provide contract administration services such as logging, distribution and review of submittals; respond to RFI's, value engineering proposals; correspondence preparation; and evaluate cost impacts due to document changes.

Lincoln Center Re-Development Projects. *Project Manager.* Responsible for multiple contracts for the redevelopment of the Lincoln Center Campus. Projects included infrastructure, reprogramming of public space and updates for student music and theatre classrooms while campus remained active. Directed daily activities of general superintendents, assistant project managers, project engineer and support staff. Established on-site field office and implemented new standard operating procedures for project documents including Change Orders, RFI's, RFP's, PS's and Bulletins. Responsible for reviewing and preparing detailed construction cost estimating, take offs and change orders for negotiation. Set priorities of trade labor and allocated resources based on client/owner and project requirements. Developed logistics plan for all project phasing through CPM scheduling.

Dormitory Authority State of New York Project Management, Bronx Criminal Court Complex, Bronx, NY. *Project Manager.* Responsible as the project manager for the $420M construction of a new 10-story, 740,000 SF facility. Directed the CM, Design Team, and on-site field staff in daily job site activities. Responsible for overseeing job construction for compliance per contract documents. Implemented workflow efficiencies by creating standard procedures and documents for change order estimating. Provided recommendations to owners and design team to minimize change order costs.

Dormitory Authority State of New York Project Management, Bronx County Family/Criminal Courthouse, Bronx, NY. *Project Manager.* Responsible as the project manager for the $58M renovation project of courthouse facility for the reprogramming of space while courts and Bronx Central Booking remain in full operation. Directed the CM, Design Team, and on-site field staff in daily job site activities. Chaired meetings to evaluate and negotiate settlement of change orders and claims.

Joseph J. Greene
Project Manager
Jacobs

Education:
St. John's University

Registrations:
N/A

Years of Experience:
37 Years

Joseph Greene has more than 37 years experience in providing project management and construction management services. Throughout his career, Mr. Greene has been responsible for managing all phases of project delivery from preliminary design to design to construction. During the design phase he has been responsible for managing the coordination of architectural and engineering disciplines and their interface with client and/or owner. He has led constructibility reviews, schedule development and budget estimate preparation. His experience in managing the construction of varied buildings and infrastructure projects throughout the New York Metropolitan area provides him with a unique perspective when formulating scopes of work and bid packaging.

RELEVANT EXPERIENCE

Yonkers Waterfront Redevelopment for the City of Yonkers, NY. *Senior Project Manager.* Responsible for providing project management services for the design and construction of streets, plazas, utilities, bulkhead repairs and esplanade for Phase I Development through design, bidding and construction. He manages the overall administration and coordination of the Design Architect and Engineering Consultant, and provides liaison between the Developer of the Waterfront Properties, his Design Team and The City of Yonkers.

Juvenile Detention Facilities, Brooklyn and The Bronx, New York, for New York City Department of General Services. *Project Manager.* Responsible for administration and coordination of prime contractor's (Wicks Law) during the construction phase of two new facilities, totaling approximately $58M in construction value. Program elements of each included 125 beds, full kitchen and dining, gymnasium, outdoor recreation, and medical facilities.

Metro-North Commuter Railroad Substation Improvement Project, The Bronx and Westchester County, NY. *Resident Engineer.* Responsibilities included all phases of construction engineering including structural, architectural, electrical and site work performed in conjunction with the construction of 10 new or rehabilitated substations on this $16 million project.

Rehabilitation of Five Bus Repair Shops, Brooklyn, Queens and The Bronx, NY, New York City Transit Authority. *Project Manager.* Responsible for construction management/engineering of all phases of construction, including site work, excavations, foundations, building construction, HVAC, electrical and plumbing work.

Permanent Housing for Homeless Families Program, New York, New York, for New York State Housing Finance Agency. *Senior Project Manager.* Responsible for structural, architectural, mechanical, electrical and sitework on this $12.5 million, design/build, gut rehabilitation housing project which includes two sites and 89 multi-bedroom units.

Construction Inspection and Support Services on an As-Needed Basis, New York, New York, for Triborough Bridge and Tunnel Authority. *Resident Engineer.* As Resident Engineer for Contract BBM-309, Glycol Piping Replacement at Brooklyn Battery Tunnel, he was responsible for ensuring contractor compliance with contract documents, and schedule control.

William F. Smith, Jr., PE
Project Manager
Jacobs

Education:
M.S. Civil Engineering (CM)
M.A. National Security and Strategic Studies Naval War College
B.S. Civil Engineering

Registrations:
Professional Engineer: CA

Years of Experience:
28 Years

William F. Smith, Jr., PE has over 28 years of experience in the full life cycle of facilities planning, design, construction, and maintenance. He is an experienced manager and communicator with strong technical, administrative, and people skills. He managed a $4.3 billion program for reconstruction of water, wastewater, irrigation, and land reclamation in Iraq, developing projects, forming team of government and support contractors, coordinating with Iraqi and Coalition Provisional Authority leadership.

RELEVANT EXPERIENCE

New US Mission to the United Nations, New York City, NY. *Project Manager* Jacobs provides construction management and commissioning services for the $100 Million, 26 story, structural concrete office building for the US Department of State's team representing the US at the United Nations. The project site is just 100 ft by 150 ft, in a high visibility urban setting directly across from the United Nations. The design of the project has many unique features, including the first use in New York City of self-consolidating concrete (SCC), selected for advantages in achieving the desired color of the architectural concrete, and to ensure coverage of the dense reinforcing steel system. Jacobs' role includes full construction management services, commissioning of building systems, including the low voltage cable plant, and supervision of several follow-on contracts, including the ultimate contract for relocation of the Ambassador and her staff into the new building. As Project Manager, directed effort of a 12-person staff doing quality assurance, change management, schedule reviews, safety oversight and coordination with the owner (GSA), the end-user (the Department of State), the A/E team and the construction contractors, and with numerous NYC agencies.

New Jersey Schools Construction Corporation / NJEDA Schools Construction Program, Paterson, NJ. *Project Manager.* Jacobs is providing program management for the New Jersey Schools program for the Paterson School District, including health and safety projects, new construction and repair and renovations. The contract includes managing design and construction for $150 million in health and safety projects at 36 schools and in the first year of the program, with subsequent assignment of design and construction management for 35 major construction projects, including 12 new schools. As Project Manager, directed effort of a 30-person staff, completing health and safety projects, the construction of two new schools, and the designs of four new schools; progressing the design of 12 additional schools; and coordinating with the client, the school district, local officials, design consultants and construction contractors.

Head of Facilities Management Branch, Headquarters, US Marine Corps, Washington, DC. Directed a 30-person staff of engineers and analysts setting policy and resourcing 17 major installations for facilities maintenance and recapitalization for a plant value of $32 billion. Planned, programmed and managed execution of construction and maintenance for 25,000 homes. Allocated an annual budget of $800 million.

Clinton L. Jackson
Project Manager
Jacobs

Education:
B.S. Architectural Engineering Construction Technology

Registrations:
N/A

Years of Experience:
24 Years

Clinton Jackson brings 24 years of project management experience on IDIQ and Tenant Fit Out projects to this contract. As a Project Manager, his responsibilities have included overall management of engineering, design, procurement, and construction activities.

RELEVANT EXPERIENCE

NJEDA School Building Program, Paterson School District. *Site Manager.* Responsibilities included: overall responsibility for day to day work activities including second shift; maintaining daily dialogue and leading monthly meetings with principals; processing change orders and pay applications; and overseeing weekly progress meetings with A/E and Contractor.

New Brunswick Hope VI (Phase I), $9M – 61 housing units. *Project Manager.* Responsibilities included: serving as liaison between owner and design / construction personnel; reviewed and approved change orders and monthly applications; monitored progress of construction schedule and oversaw bi-weekly construction progress meetings.

Sharon Baptist Church, $10.5M 3-story facility, 75,000 SF. *Project Manager.* Responsibilities included: overall responsibility for project, including supervising staff of four (4); prepared and maintained job cost; developed construction schedules; and met with neighborhood association for monthly updates on construction progress.

PNC Bank Operations Center, Tenant Fit out $9M, 250,000SF. *Assistant Project Manager.* Developed and maintained construction schedule and processed submittals and change orders. Met with owner bi-weekly to review job progress. Reviewed and processed monthly pay application.

Foster/Tanner University Complex, Florida A&M University 2-story music building, 4-story renovation, $7.5M, 90,000SF. *Project Manager.* Prepared and maintained project schedule utilizing AlterGraph program. Handled execution and buy out of subcontracts and prepared monthly billings. Supervised staff of three (3).

State College Area Middle School, 2-story complex, $17M, 155,000 SF. *Assistant Project Manager.* Processed submittals, contracts, and change orders. Prepared monthly pay application for submission to architect/engineer. Prepared and issued monthly project cost reports.

City of West Palm Beach Administration Building, 3-story complex, 7-story parking garage, $19M, 210,000 SF,. *Project Engineer.* Maintained and processed shop drawings, requests for information, and change orders. Assisted in verification of vendor and subcontractor monthly billing cycles. Arranged and documented job site and related meeting minutes.

David LaTour
Project Manager
Jacobs

Education:
AAS Construction Technology

Registrations:
N/A

Years of Experience:
14 Years

David LaTour has over 14 years managing construction projects including claims consulting, litigation support and investigation of payment bond claims and contractor terminations for sureties. He has worked in a variety of roles including construction management, program management, owner's representative and consultant.

RELEVANT EXPERIENCE

New York State Office of General Services Camp Smith Armory / Training Site, Cortlandt Manor, NY. *Project Manager.* Jacobs is providing construction management services to construct the 112,000 SF Readiness Center on the property of Camp Smith. The Armory will be a 3-story structure, constructed of brick and concrete block units with concrete floors, elevator, site work, mechanical, plumbing, fire protection and electrical systems. There will also be a 40,600 SF Army Aviation Support Facility for unheated aircraft storage space, rigid and flexible paving, ground support equipment, hover lanes, fuel storage / dispensing system, aircraft wash facility, exterior lighting, fire protection and fencing.

Rye City School District $10M Capital Improvements Program, Rye, NY. *Project Executive.* Served as Project Executive during infrastructure and capital improvements at the high school/middle school and three elementary schools. The project involved updating the 50-year old buildings to achieve more efficient and reliable systems. Scope of work included several boiler and HVAC replacements, fire alarm system replacements, electrical service upgrades, and the installation of new emergency generators.

Rye City School $1.5M Milton Elementary School Gymnasium, Rye, NY. *Project Executive* for a small gymnasium addition that was originally managed by another CM firm. Responsibilities for this project rescue included review of previous estimates and recommendation for value engineering and scope reduction to meet project budget and procurement.

West Harlem Environmental Action, Inc. $4M Environmental Justice Center, Harlem, NY. *Project Executive* for the adaptive reuse of an existing residential building into community center and office facility. Within the historic district of Hamilton Heights, the Center was a total gut rehabilitation and extension of a four-story row house, into a 7,100 SF LEED gold-certified green building to include meeting areas, exhibition space, offices, a fully catalogued library of hard-to-find environmental publications, a roof garden and courtyard out back.

Cold Spring Harbor Central School District $41M CSD Bond-Related Capital Improvement Program, Cold Spring, NY. *Project Manager* Performed comprehensive condition assessments to determine the scope of renovation work to be completed, and prepared cost estimates and construction schedules for the overall project. Managed the integration of four separate new LANs as well as the construction of state-of-the-art library facilities, a new 10,000 SF school gymnasium, and a new 8,000 SF performing arts complex. Responsible for the construction management of 44 projects requiring 28 Wick's Law.

Christine Oates, CCM, LEED AP
Project Manager
Jacobs

Education:
MBA Financial Management
B.S. Civil Engineering

Registrations:
Certified Construction Manager, CMAA
Engineer-in-Training: NY
LEED AP, 2008

Years of Experience:
19 Years

Christine Oates, CCM, LEED AP is a Program Manager in Jacobs. She has 19 years of experience in providing construction management and program management services on private and public projects including waterfront developement, parks, civil programs, transportation, corporate head quarters, firehouses, and prisons. Her expertise includes design management, pre-construction CM services scheduling, construction trade coordination (Wicks Law projects), and management of difficult and diverse programs and construction projects. Christine is a proponent of excellent project communications, planning ahead to ensure quality, proactive problem solving and resolution.

RELEVANT EXPERIENCE

New York City Economic Development Corporation, Various Projects, NY
Ms. Oates serves as Project Executive on several siteworks projects for the New York City Economic Development Corporation. Projects include the reconstruction of South Street in New York from Old Slip to Fulton Street, Randall's Island Connector Project in the Bronx and the Bronx Shores Pathway Project on Randall's Island.

NYCEDC East River Waterfront Esplanade and Piers Project, NY, NY
Ms. Oates is the Program Manager for this $165M East River Waterfront Project which plans to transform the East River Waterfront from the Battery Maritime Building through to Pier 35. Scope of work includes the redevelopment of two piers, Pier 15 and Pier 35, and redevelopment of the esplanade including new railings, pavers, lighting, landscaping, dog run, basketball courts, other park amenities, service buildings and commercial pavilions. Scope also includes the complete reconstruction of South Street, replacement of combined sewer outfalls, relocation and replacement of several watermains and other DEP related drainage work. As Program Manager she is responsible for development of the programs policies and procedures, managing the programs overall budget and schedule, developing procurement strategies, coordination of the subprojects with adjacent projects, estimating, constructability and coordination with various agencies.

NYCDDC Construction Management (CM Build Contract for Various Facilities). This program, valued at over $65M, included the construction and renovation of various public facilities throughout the City of New York. Projects included the renovation of Shea Stadium, rehabilitation of school facilities, offices, firehouses and an automotive inspection facility and the construction of a new recreational facility. As Project Manager Christine was involved in the design, preconstruction, construction and post construction for this program, she assisted in the procurement phase of all the projects by developing an in depth procurement plan including prequalification of contractors, development of the standard CM Build Contracts and development of the overall program's Construction Management Plan. In addition Christine played an essential role in three of the projects as the Project Manager. In this role Christine was directly responsible for the successful delivery of three projects.

Marc S. Riendeau
Project Manager
Jacobs

Education:
B.S. Construction Management

Registrations:
N/A

Years of Experience:
15 Years

Marc Riendeau has over 15 years of experience in management and administration of construction and engineering for the healthcare, foods / consumer products, pharmaceuticals, and microelectronics / semiconductor industries. He is experienced in execution of single source contracts for design, procurement and construction facilities level projects. He has key experience starting from bid and award of contracts through facility startup and commissioning. He possesses strong field experience in merit shop and union construction projects.

RELEVANT EXPERIENCE

New Jersey Schools Construction Corporation / NJEDA Schools Construction Program, Paterson, NJ. *Project Manager.* Jacobs is providing program management for New Jersey Schools program including health and safety projects, new construction and repair and renovations. The contract include managing $71 million in health and safety projects in the first year of the program, with subsequent assignment of major construction projects, including 11 new schools. The total program value is $830 million (estimated construction cost). Jacobs is currently contracted for the first $400 million of this program, which started in 2001 with estimated completion in 2006.

Material Operations Support Facility (MOSF) & Multiple Scale Organic (MSO), Merck & Co, Inc., Linden, NJ. *Construction Manager.* Managed construction services on an 80K SF, 5-level, $50MM facility for Merck & Co., Inc. Assumed responsibility from the 75% completion milestone through to owner occupancy. Responsible for the coordination of subcontractor activities, forecasting total project costs and scheduling completion milestones in support of substantial completion and commissioning / qualification of cGMP process areas. This included monthly presentation to senior management, strategic planning, cost management, and claim negotiation.

Pilot Plant Renovation, Unilever Bestfoods, Englewood Cliffs, NJ. *Construction Manager.* Responsible for procurement and construction of an EPC, turnkey project;$6.4MM, 25K SF pilot plant renovation for Unilever Bestfoods. Responsible for all facets of procurement and construction including scope development, bid/award of contracts, site safety program implementation, contract management, and daily coordination of the multiple subcontractors/vendors and client personnel.

University of California/Davis, Medical Center Tower II Addition, Sacramento, CA. *Field Manager.* Coordinated inspection activities on a new 13 level Hospital Tower accommodating Nursing Units, Radiology Department, Patient Care Support space, and Life Flight Helideck for UC Davis Medical Center in Sacramento, CA. Interfaced with the Inspectors of Record, Architect, General Contractor, Fire Marshal, and Owner to assure compliance to the Office of Statewide Health Planning and Development (OSHPD) agency. Key focus area related to the testing and commissioning of the Fire Life Safety System. Managed construction activities including seismic bracing and anchorage of Owner Furnished/Owner installed equipment. Managed various documents utilized by the Inspectors of Record during the inspection process and initiated procedures used to document the continuous inspections.

Gayle Benjamin
Construction Manager
Jacobs

Education:
B.A. Architecture and Planning

Registrations:
N/A

Years of Experience:
13 Years

Gayle Benjamin has been responsible for administering and managing numerous construction projects throughout the greater New York metropolitan area. Additional responsibilities have included reviewing contractor's estimates and preparing lump sum contracts.

RELEVANT EXPERIENCE

Dormitory Authority State of New York, Queens College Remsen Hall Expansion, Flushing, NY. *Project Manager.* Jacobs is providing construction management services for this circa 1950 hall which houses the Chemistry and Biochemistry and Family, Nutrition and Exercise Sciences Department offices, laboratories, lecture halls, testing rooms, classrooms and demonstration facilities. During the Remsen Hall Expansion Project, the college will expand its current sciences program with new state-of-the-art laboratories and workspaces in a three phase construction process. Jacobs is providing construction management services during Pre-Construction, and Construction, and will also provide General Conditions Administration.

Polytechnic University, Brooklyn, NY. *Civil/Architectural Inspector.* Jacobs provided program management services for $100 million Polytechnic University. The project was a three-phased construction of a New Academic Building/athletic Facility, a New Dormitory and the Rogers Hall Renovation.

New Jersey Schools Construction Corporation / NJ EDA Schools Construction Program, Paterson, NJ. *Project Manager.* Jacobs provided program management and construction management for New Jersey Schools program including Health and Safety projects, new construction and repair and renovations. The New Panther Science Academy included the gut renovation of an existing Auto Parts Facility and conversion into a classroom and computer labs. It also included the addition of a new state-of-the-art planetarium with funding from NASA.

Metropolitan Detention Center, FBOP, Brooklyn, NY. *Project Manager.* Responsibilities included architectural, structural and civil inspection at the $110 million Metropolitan Detention Center. Provided technical guidance to the project engineer. Interpreted drawings and specifications and recommended technical solutions to the A/E. Implemented inspection processes such as daily reports, punch list, document clarification request, submittals, CPM schedule and requisition review. Monitored job-site safety, identified construction quality and processed deficiencies in a timely and constructive manner.

Port Authority of New York & New Jersey's PATH, Jersey City, NJ. *Civil/Architectural Inspector.* Assisted Resident Engineer with construction administration of 56 contracts. Reviewed bids and contracts for conformance and prepared letters of Agreement. Prepared documents for Contract Termination. Reviewed Contracts for completion, prepared Completion of contract Reports and Certificates for Final Compensation. Reviewed monthly application for payment.

James T. Buckley
Construction Manager
Jacobs

Education:
AAS, Architectural Technology and Construction

Registrations:
N/A

Years of Experience:
37 Years

Jim Buckley brings 37 years of experience in the construction industry. He has an extensive background in facilities engineering and construction management, with a proven track record in estimating, budgeting, cost accounting and contract administration. He is knowledgeable of codes, design and construction practices, and safety and environmental issues. He is also experienced in contract documentation and CAD design.

RELEVANT EXPERIENCE

NYS Thruway Authority Interchange 17 Contract 2 Campus, Newburgh, NY. *Senior Superintendent.* The Project involves the demolition of existing facilities and the construction of a new State Police Headquarters, Maintenance building, Repair shop, Cold storage building, two Salt Sheds, new Toll Booths and Revenue Collection Facility. Responsibilities for this project include supervision of staff and subconsultant inspectors, documentation of daily inspectors reporting and Storm Water Pollution Prevention Plan, coordination with NYSTA maintenance groups, daily interface with the General Contractor for quality control and specification requirements, and monitoring of construction safety.

Fishkill Correctional Facility, New York State Office of General Services, Fishkill, NY. *Superintendent/Project Manager,* Responsible for management of mechanical, electrical and construction contracts for this 100 cell special housing unit and regional medical facility. Also responsible for coordination of mechanical, electrical, and utility company inspections. Prepared construction documentation for RFI's, field orders, bid specifications, submittals and closeout. Also supervised medical gas, mechanical, electrical, signal, communications, controls, high voltage and underground utilities.

Adelphi University Fine Arts Building, Cranford, NJ. *Project Superintendent.* Onsite supervision and safety for commercial construction, field documentation, administration, closeout of 5-15 subcontracts, coordination of third party, municipal and environmental inspections.

IBM E. Fishkill 300mm Program Tool Hookup, Fishkill, NY. *Project Manager.* As the project manager, Jim's responsibilities included daily coordination and CM reports to the client; supervision of 65-man crew and subcontracts; testing and inspection reporting; and on-time installation and startup of 350 clean tools in 18 months.

IBM E. Fishkill 300mm Program Base Build, Baltimore, MD. *Project Manager.* As the project manager, Jim's responsibilities included: the coordination of 35-trade subcontracts, coordination with the A/E; formulating and implementing the A/E field design clarification program; maintaining and posting field documents, RFI's, submittals, work orders, 3rd party inspections; subcontractor conflict resolution; and space management.

Anthony Delgado
Construction Manager
Jacobs

Education:
AAS Architectural Engineering Technology

Registrations:
N/A

Years of Experience:
14 Years

Anthony Delgado has over 14 years of experience as a Construction Manager, Site Superintendent and Owner's Representative. Construction values have ranged from $10M to $128M assisting clients with every phase from preconstruction to closeout. This experience includes: development of bid packages under Wick's Law; project rescue including historic renovation, processing of over 200 change orders, and closing out of 29 open contracts under budget; claims related investigative research; and professional presentation training, serving as client representative at public meetings.

RELEVANT EXPERIENCE

Nassau County Community College, Garden City, NY. *Project Manager.* Jacobs is currently working with Nassau Community College (NCC) providing Construction Management (CM) services to the College's Department of Design and Construction for the construction of a new three-story, 74,000-SF Life Sciences Building. Upon completion the building will house Nursing and Chemistry departments, including their laboratories, lecture classrooms, faculty offices, conferencing spaces, computer labs, and group study spaces.

Dormitory Authority State of New York Lehman College Computer Center (Phase II) Abatement and Renovation, Bronx, NY. *Construction Manager.* Renovation/new construction of 25,000 SF computer and multimedia center in the cellar and basement of Carman Hall, the most heavily used academic building on Lehman's campus. This existing five-story building houses the campus data center and computer labs as well as the education, social work, sociology and nursing program.

State University Construction Fund, SUNY Purchase New Student Center, Purchase, NY. *Owner's Representative.* Served as the owner's representative during the construction of a new 57,000 SF Student Services Building on top of an existing and working Heating Plant. Completed project on time despite General Contractor defaulting. The facility provides centralized space for a new student business center, office-related functions, and a multi-media presentation area. Responsibilities included field oversight services and working closely with Architect, the State University Construction Fund, and the college staff to coordinate contractor activities; maintenance of quality, safety, schedule, commissioning, completion and closeout and budget during ongoing activities.

Brentwood Union Free School District UFSD Additions and Renovations, Brentwood, NY. *Site Superintendent.* Served as Site Superintendent during the expansion, renovation, and new construction projects at 18 sites throughout the District. Numerous high-end features were being installed, including vaulted ceilings with skylights in a new 2,000 SF library. All work was being performed under Wick's Law. Responsibilities included day-to-day observation of field activities, contract coordination and project reporting.

North Babylon Union Free School District UFSD Additions and Renovations, Babylon, NY. *Site Superintendent.* Responsible for field oversight during the first phase of this two-phase renovation and alteration program.

Jeffrey Ronk
Construction Manager
Jacobs

Education:
B.S. Business Administration
AAS, Construction Technology/Architectural Technology

Registrations:
N/A

Years of Experience:
18 Years

Jeffrey Ronk has over 18 years of experience in project engineering and construction as a Design Manager, Construction Project Manager II, Program Manager, Project Engineer, Field Engineer C.S.A., Project Superintendent, Construction Technician, and Technical Drafter on Base Building, and Plant Services.

RELEVANT EXPERIENCE

Paterson Public Schools District. *Design Manager.* As part of the Project Management Firm (PMF) responsibilities as a team member is to participate in the management of multiple public schools for the Paterson School District by coordinating the activities of design consultants, reviewing and documenting submission of various levels of designs (Schematic to Construction) and review/ reconcile estimates between the design consultant(s) and the Project Management Firm (PMF). In addition, other responsibilities include chairing meetings, coordinating communication between various user groups and providing feedback/ recommendations to the New Jersey Schools Construction Corporation (NJSCC).

20,000 Ft2 High-Density Record Storage Module and Sorting Room to Harvard's existing book depository. *Construction Project Manager II.* Fulfilled Project Manager's services acting in the capacity of an agent/ representative of the Owner throughout the design and construction phases of the project. assisted the Owner in the planning and evaluation of the project by working with the Owner and Architect. He assisted in the award, execution and monitoring of the design contract. Mr. Ronk also lead design teams in preparing packages for permit applications, conducted design reviews with the design team and Owner to assure timely information flow and consistency with expectations to put together data for the final design plans for bidding and review.

Motorola Facilities, Chandler, AZ. *Project Engineer / Coordinator.* On loan to Motorola Facility Engineering Department reporting directly to the Facility Manger and various Project Managers, Responsibilities included preparation of bid documents, reviewing of quotes and award of bids for various in plant operations at the site. Responsible for tracking and approving of contractor invoices/ change orders, monitoring schedules and coordinating construction activities. Along with Mr. Ronk's administration duties, he coordinated the operation of many trades. Said trades include but not limited too, Mechanical – both wet and dry systems, High Purity Piping installations, HVAC, Sprinkler trades, Electrical – Power and Data and specialty trades such as HPM (Hazard Product Material) installers and Product Non-Handling Systems.

Motorola 52nd St., Phoenix, AZ. *Field Engineer / Project Superintendent* Responsibilities included constructability reviews of more than 13,000 sq. ft. of projects ranging from Class 100 to Class 10,000 air and particle controlled environments. Responsible for the coordination, construction and renovation of existing areas in an operating facility. In addition, responsible for the moving of existing semi-conductor production equipment and the installation of new production equipment for upgrade operations while production activities are in full output mode.

Eric Monsonis
Construction Manager
Jacobs

Education:
M.S. Civil Engineering (Construction Management)

Registrations:
N/A

Years of Experience:
16 Years

Eric Monsonis has over 16 years of construction management experience as a Project Manager, Project Controls Engineer and Estimator. He is experienced in the overall management of planning process, design and construction from lease negotiations to occupancy.

RELEVANT EXPERIENCE

General Services Administration, Region 2 On-Call Services, New York, NY. *Project Manager.* Jacobs is providing construction management services to GSA for the Alexander Hamilton U.S. Custom House multi-million dollar upgrade and partial replacement of the fire alarm systems throughout this historic building. The building is currently occupied by the Smithsonian National Museum of the American Indian, the Federal Bankruptcy Court for the Southern District of New York, and various Federal Agencies.

The Neenan Company, Fort Collins, CO. *Senior Project Manager* on multiple projects with overall management of planning process, design, and construction from lease negotiation to occupancy; project management responsibilities included conceptual and detailed estimating, design input and scheduling, constructibility review, material and subcontractor selection, contract administration, subcontractor negotiations and buyout, cost control, project scheduling, change management and project closeout; and onsite and direct supervision of the construction of major projects, coordinating a staff of superintendents and junior project managers. Projects included: Slocum Center – 82,000SF ground up Orthopedic Center; San Luis Valley Regional Medical Center – 45,000 SF addition and renovation; Avista Hospital – 80,000SF medical office building; and Longmont United Hospital – 50,000 SF renovation and expansion of surgery department

Fransen Pittman Construction Co., Denver, CO. *Estimator* on multiple projects including office buildings ranging from 3,000 to 200,000 SF; institutional, light industrial and religious. Methods included pre-cast, tilt-up, structural steel, cast in place, structural masonry and wood construction. Managed and administered all company computer resources. Developed detailed cost estimates from conceptual, schematic, design development and construction stage drawings. Estimated all aspects of construction including sitework, core and shell, and interior phases. Developed and recommended design alternatives to meet budget and program requirements.

Trigon-Sheehan, LLC, Denver, CO. *Project Controls Engineer* on multiple projects responsible for team preparing preliminary and definitive estimates and schedules and cost/schedule reporting. Coordinated projects from schedule requirements, provided cost/schedule analysis and oversaw preparation of project status reports. Managed resource use tracking, and managed personnel on field assignments. Projects included a $46M 24" gas pipeline; $8M products terminal; and a $45M triple 36" gas pipeline.

David Rivera
Construction Manager
Jacobs

Education:
Master of Architecture
Master of Urban Planning
Bachelor of Architecture

Registrations:
N/A

Years of Experience:
16 Years

David Rivera has nearly 16 years of professional experience in Architecture and Construction. His experience includes healthcare, education, commercial and corporate interiors. His responsibilities have included building and interiors design, project management, procurement, contract administration, CPM scheduling, construction change orders, project documentation controls and the use of computer-based project management systems. David has also had significant on-site interaction with contractors and consultants. His expertise and talent are evident in his attention to details from pre-design through construction administration.

David smoothly integrates architectural and construction expertise with the most current technological solutions and products. His diverse experience includes instrumental roles in both public and private sector work in the New York metropolitan region. Specifically, he has provided services to a select client list that include: NYC Department of Design and Construction, NYC School Construction Authority, Health and Hospitals Corporation, and New Jersey Economic Development Authority.

RELEVANT EXPERIENCE

Rockland Children's Psychiatric Center, Dormitory Authority of the State of New York, Orangeburg, NY. *Construction Manager.* Providing full construction management services for DASNY, for the $47 million new 56 bed inpatient facility for children ages 11 to 18. The new center will be approximately 104,000 square feet. The facility includes designated areas for functions including residence, education, administration, admissions, medical support, gymnasium, auditorium, food service, and operational support. Principal responsibilities included pre-construction design and constructability reviews, coordinating construction activity among the various prime contractors, review, track and prepare field directives and construction change orders. He reviews and processes requests for information and product data submittals for the Architect's reply or approval respectively and prepares daily reports of construction activities and adherence to safety procedures.

Liberty Science Center, New Jersey Economic Development Authority, Jersey City, NJ. *Senior Project Engineer.* Provided full construction management services for the New Jersey Economic Development Authority, the principal developer, for the $65 million Liberty Science Center Revitalization and Expansion Project. The project consists of two (2) distinct elements; the 85,000 SF West Wing expansion and the 196,000 SF existing building revitalization. Principal responsibilities included review, track and prepare field directives and construction change orders. Review and process requests for information and product data submittals for the Architect's reply or approval respectively. Assist with oversight of document controls, general office administration and personnel development. Specific responsibility for the following Subcontractors: Selective and General Demolition, Testing and Inspection, Site/Earthwork, Structural Steel, Poured-in-place Concrete, and Landscape. This responsibility included limited discretionary authority for managing, coordinating and tracking construction project id/procurement/award, construction administration and closeout for these Subcontractors.

David Fox, PE
Field Engineer
Jacobs

Education:
B.S. Mechanical Engineering

Registrations:
N/A

Years of Experience:
6 Years

David Fox, PE is experienced in construction administration procedures including: construction inspections; preparation of construction estimates and CPM schedule reviews; and constructability reviews. Although, a recent Graduate, with a BS in Mechanical Engineering, He is very experienced in various areas of the construction industry.

RELEVANT EXPERIENCE

Metropolitan Transportation Authority / New York City Transit Department of Buses - Charleston Bus Annex, Staten Island, NY. *Project Engineer.* Jacobs is providing construction management services including reviews of design-build documents, constructability reviews, construction inspections, contract administration preparation of construction estimates and CPM schedule review. The new bus annex consists of a building with a footprint of approximately 81,000 SF, with outdoor parking areas for buses and employee vehicles. The new building consists of the bus annex at the first floor, with a mezzanine and second floor for offices, locker rooms, and support areas with facilities for the service and maintenance of buses with interior area for bus fueling, bus washing system, revenue extraction, and maintenance bay area with 15 dedicated lift workstations and automated parts retrieval system. There are 13 underground tanks and piping for diesel fuel, fuel oil, motor oil, automatic transmission fluid, antifreeze and windshield washer fluid dispensing and waste systems with two oil/water separators, Green design (DfE) requirements including bus wash with water reclamation system for utilization of site storm drainage water and energy-efficient lighting and HVAC systems. The scope of work included mechanical, electrical, communications and I&C systems for the new building with BMS system integration as well as bus parking area for 220 buses and employee parking area for 196 cars outside the facility.

NJEDA Paterson Public School 24, Paterson, NJ. *Project Engineer.* Jacobs provided construction management services including contract administration, construction inspections, constructability reviews, preparation of construction estimates and CPM Schedule reviews. Public School # 24 is a existing four-story brick building of approximately 76,000 SF. Scope of work included addition of a new curtain wall structure of approximately 33,500 SF constructed on the site of the existing school and linked to the facility by a closed entry element, construction of a new state-of-the-art media center, addition of a new gymnasium, cafeteria, kitchen, nine general classrooms, two science rooms and community health center. The existing building received replacement of the entire existing HVAC, electrical and communications systems as well as architectural renovations. Site improvements included new paving in the courtyard, new concrete sidewalk, steps and ramps, installation of synthetic playground surfaces and new fencing.

Matthew Gallegos
Field Engineer
Jacobs

Education:
B.S. Architectural Engineering

Registrations:
N/A

Years of Experience:
10 Years

Matthew Gallegos has more than 10 years of experience as a Project Engineer. He is experienced with project schedule analyst and updates. He is experienced in working in fast-paced and changing environments with the ability to think quickly and successfully and is able to work simultaneously on various projects and adapt to changing work conditions.

RELEVANT EXPERIENCE

NYS Office of General Services, Camp Smith Readiness Center, Cortlandt Manor, NY. *Project Engineer.* Jacobs is providing construction management services to construct the 112,000 SF Readiness Center on the property of Camp Smith. The Armory will be a 3-story structure, constructed of brick and concrete block units with concrete floors, elevator, site work, mechanical, plumbing, fire protection and electrical systems. There will also be a 40,600 SF Army Aviation Support Facility for unheated aircraft storage space, rigid and flexible paving, ground support equipment, hover lanes, fuel storage / dispensing system, aircraft wash facility, exterior lighting, fire protection and fencing.

NYS Office of General Services, Hudson Valley Transportation Management Center, Hawthorne, NY. *Project Engineer.* Jacobs provided construction management services including document control (RFI, Bulletins, Submittals, Change Orders/Field Orders) utilizing OGS' on-site Project Management Control System. Prepared monthly reports, meeting minutes, progress payments, scheduling, and assistance in CAD coordination.

Vanessa Jimenez
Field Engineer
Jacobs

Education:
B.S. Civil Engineering

Registrations:
N/A

Years of Experience:
9 Years

Vanessa Jimenez will serve as Project Engineer on this project. Vanessa's experience has included show drawings and daily reports, project record keeping and the management of RFI's. She is well versed in Primavera Expedition System and Microsoft Office and has had experience in the greater New York area. Currently, she serves as Project Engineer for health and safety and new construction projects.

RELEVANT EXPERIENCE

Staten Island Courthouse, New York, NY. *Senior Project Engineer.* The courthouse will service the needs of Supreme Civil Court, Supreme Criminal Court, the Surrogate Court and related agencies. The court sets shall be comprised of seven Supreme Civil Courts, six Supreme Criminal Courts and a Surrogate Court.

DASNY, Staten Island Paterson Public Schools Health & Safety Renovations Program, Paterson, NJ. *Project Engineer.* The program is a major, $400 million program for the ongoing renovation and new schools construction, and encompassing the entire Paterson New Jersey Public Schools system. Jacobs is providing PM/CM services for all tasks under the contract.

Vanessa served as Project Engineer for the $16.5M Renovation and Addition of P.S. 24 which consists of an existing (four and five) story brick school structure of approximately 74,800 SF, and a new steel framed masonry structure of approximately 34,800 SF to be constructed on the site of the existing school, and linked to it by new enclosed entry elements. As Project Engineer, Vanessa's responsibilities include enforcement of the Safety Program, process GC requisition and change order, manage RFI's and submittal process including tracking and filing, document meeting minutes, maintain drawings and specifications and other misc. administrative activities.

Paterson City Public Schools, Paterson, NJ. *Project Engineer.* School Construction Corporation. Use and maintain Prolog management system including reviewing, tracking and maintaining contractor invoices, change orders. Prepare meeting minutes and cost estimating. Perform in an administrative role with discretionary authority for determining alternatives and carrying out assignments as directed by project managers. Schedule and perform construction site inspection with the Department of Community Affairs (DCA). Field experience including coordinating and monitoring Time and Material work. Prepare project completion packages for final Certificate of Occupancy. Perform Health and Safety Contract Closeout. Document controls and general office duties.

Rehabilitation of Battery Parking Garage and Emergency Garage, Metropolitan Transit Authority, New York, NY. *Construction Management Intern.* Used and maintained Primavera Expedition System to log-in incoming and outgoing correspondences, shop drawings and daily reports as well generating customized reports for monthly client reports. Updated and prepared computerize payment book for unit price items. Prepared Quantity takeoff for change order requests, Organized the Standard Operating Procedure Manual. Obtained Progress Photos for monthly reports and General Office duties.

Artem Khaykin
Field Engineer
Jacobs

Education:
B.S. Civil Engineering

Registrations:
N/A

Years of Experience:
9 Years

Artem Khaykin is experienced in working in fast-paced and changing environments with the ability to think quickly and successfully and is able to work simultaneously on various projects and adapt to changing work conditions. He is detail-oriented and proficient in investigating, comprehending and applying zoning/building codes, specification and technical construction, and contract documents

RELEVANT EXPERIENCE

GSA, Region 2 - African Burial Ground Interpretive Center Museum Phase 1, Project Engineer/QC Specialist. *Project Manager.* The project is a build out for a new museum space on the first floor retail space of a federal building. Project Scope includes: demolition of previous tenants' built-out space (including mechanicals); design and installation of new sprinkler and fire alarm systems with modification to existing facilities; selective demolition and restoration of granite panel wall assemblies in occupied and non occupied spaces; installation of custom bronze/brass door assemblies and modifications to existing curtain walls; and, coordination with full museum build-out management and contractor.

GSA, Region 2 - Alfonse M. D'Amato U.S. Courthouse Phase 1 and Phase 2 Select Repairs, Project Engineer/QC Specialist. *Project Manager.* The project involved interior and exterior remediation and repair work in a fully occupied federal courthouse building.

Phase 1 Project Scope includes: removal of existing granite stone panels on exterior wing walls of the building, investigation of existing conditions, installation of new granite panels and repairs necessary to accommodate re-installation; select demolition of existing rotunda skylight gutters, roof repair and installation of new waterproofing materials, and reinstallation of gutters; and repair of structural concrete beam. Also, work on supported scaffold, tie-off, and inaccessible areas was required.

Phase 2 Project Scope includes: careful demolition of existing concrete and asphalt walk/roadway, elevated architectural concrete walls, soil excavation, removal of existing waterproofing materials, investigation of design and repair solutions. installation of new waterproofing material, repair of existing conditions, and re-building architectural walls and roadway to match existing; installation of new custom grate trench drain and plumbing tie-in to existing building plumbing facilities(concrete demolition and re-installation required); and Installation of continuous custom flashing on approximately 12 floors of the building. The project also include the repair and/or replacement of custom windows, installation of custom flashing, and exterior waterproofing as well as work on suspended scaffold and inaccessible areas.

Faheem Khan
Field Engineer
Jacobs

Education:
B.S. Civil Engineering

Registrations:
Engineer-in-Training

Years of Experience:
12 Years

Faheem Khan's experience encompasses many aspects of civil engineering, including environmental impact statements, preliminary/feasibility studies, and final design to contract plans and specifications, construction management, drainage, cost estimating to bid analysis and construction inspection.

RELEVANT EXPERIENCE

East River Waterfront Esplanade and Piers Project, New York, NY. *Project Coordinator.* Responsible for the improvement and redevelopment of approximately two-mile portion of the East River waterfront that extends from Peter Minuit Plaza at the southern tip of Manhattan to East River Park on the Lower East Side. The Phase 1 project components include the following; The Esplanade, Pier 15, Pier 35 and South Street Improvements. Responsibilities include and not limited to; review of all estimates, drawings and specifications, coordination between all team members and city agencies, constructability reviews, and construction phasing plans.

Yankee Stadium, Bronx, NY. *Construction Inspector.* Responsible for the sewer replacement in E 161st Street. Responsible for overseeing construction of the new 24" DIP on concrete cradle and piles, new drop manhole and tie-in into existing manhole structure per DEP standards and specifications. The new 24" DIP replaced an existing 12" DIP combined sewer necessary to handle flow from the new Yankee Stadium. Additional responsibilities included the overseeing of pile installation according to the specifications and preparing Inspection reports for the work completed on a day to day basis.

East River Science Park, New York, NY. *Project Engineer.* Responsible for schematic and final design of drainage for the East River Science Park Bio-Tech Campus, located between 28th & 30th Streets and the FDR Drive, adjacent to Bellevue Hospital. The campus includes three 16 story research laboratory towers and a 470 car parking structure at service level. Work includes both survey and civil / site engineering design for the 3.5 acre site and includes the relocation of a NYCDEP 48 inch combined sewer, the reconfiguration of a major NYCDEP diversion chamber, new smaller sized storm and sanitary sewers.

Route 9A Project – Lower Manhattan Redevelopment, New York, NY. *Civil Engineer.* Responsible for all cost estimating for the project; West Thames Street to Chambers Street.

Brooklyn Arena and Atlantic Yards, Brooklyn, NY. *Engineer.* Responsible for Maintenance and Protection of Traffic associated with the Brooklyn Arena. These include the replacement of two existing bridges, a temporary bridge, a new LIRR tunnel extension and new subway connections/entrances to the adjacent BMT/IRT and LIRR lines.

Federal Jeans, Queens, NY. *Project Engineer.* Responsible for the preparation of documents as part of the Uniform Land Use Review Procedure (ULURP) application. This effort included the preparation of the Amended Drainage Plan and documentation relating to a site connection proposal for sewer and water systems associated with the 8-acre site. The work involves close coordination with the New York City Department of EPA.

Timothy G. Yan
Field Engineer
Jacobs

Education:
B.S. Construction Management

Registrations:
N/A

Years of Experience:
5 Years

Timothy Yan has five years of experience and is currently the Project Engineer for Dormitory Authority State of New York Bronx Mental Health Psychiatric Redevelopment $350M Campus Redesign and Renovation Project. He is providing field supervision and contractor assistance including quality assurance, quality control and safety. He is also participating in the reviewing of all documents pertaining to this project.

RELEVANT EXPERIENCE

Dormitory Authority State of New York Office of Mental Health, Bronx Mental Health Psychiatric Redevelopment, Bronx, NY. *Project Engineer.* Jacobs is providing construction management services for this multi-building facility, LEED Silver, BIM Coordinated Design and Construction project. Responsibilities on this project include: providing field supervision and contractor assistance for day to day activities and tasks including quality assurance, quality control and safety; managing design review comments and participating in design review discussions and other meetings regarding design procedures; assisting in reviewing all documents submitted by Architects and Engineers, including buildings design/narratives, utilities package, security options, etc; gathering and researching building materials, methods and different HVAC systems for the client for best choices in materials, methods and systems, developing the Residential Village Buildings schedule; and providing recent BIM experience and knowledge to assist redevelopment project.

New York City School Construction Authority, Long Island City, NY. *Project Manager Assistant, College Internship program.* Responsibilities included creating field and daily reports, dealing with change orders and written NCRs / NODs, estimating and confirming General Contractor's estimations for the Senior Project Officer and confirming and estimating costs of labor for the Senior Project Manager.

Robert Raspanti
Electrical Inspector
Jacobs

Education:
Joint Apprenticeship Trade School of IBEW Local 363 (Industrial Electronics Course Electrical Estimators Course 1971)
Cornell University (Labor Studies Program) Rockland Community College Campus

Registrations:
Certified for High Voltage Splicing /1975
Certified for electric-arc welding/1975
New York State Riggers License/1986
Certified fiber-optic installations/1990

Years of Experience:
36 Years

Bob Raspanti is a seasoned Project Manager and a Jacobs MEP Specialist. His 36 years experience in the construction industry includes 10 years providing oversight of the installation of telecommunications cabling and equipment. His construction background, combined with his technical knowledge, provides him a well-rounded skill set for managing and overseeing multi-faceted type projects. His hands-on roles have included Electrical Systems Commissioning, Project Manager, Electrical Specialist, Superintendent, and Electrical Foreman. Bob was the on-site Field Superintendent for the recently-completed Hudson Valley Transportation Management Center in Hawthorne, NY, a project involving complex, state-of-the-art technology systems.

RELEVANT EXPERIENCE

Hudson Valley Transportation Management Center, NYSOGS, Hawthorne, NY. *Field Inspector.* Jacobs provided Construction Management services to the Office of General Services for the $45 million Hudson Valley Transportation Center (TMC). The TMC helps detect and verify incidents, provides information to the public, responds to and clears incident sites, and helps restore traffic flow.

Robs responsibilities included review of drawings and specifications; site development; (soil-nail wall construction, underground utilities, retention ponds, and storm sewer work); Construction Field Coordination / Controls of 6 Prime Contracts; Chairmen of Daily Superintendent/Foreman coordination meetings. He provided oversight of Electrical Work from Pre-construction to Occupancy; Inspection of Electrical Work including security systems(CCTV, Access Controls, Vehicle Crash Barriers, etc); UPS; 2000KW Generator; CATV; lighting; power; GPS Master Clock. In addition Rob oversaw start-up, testing, commissioning and acceptance of all of the above systems.

J.P. Morgan Chase, New York, NY. *Project Manager.* Rob managed and coordinated various trade contractors involved in day-to-day relocation of business units within J.P. Morgan facilities. In carrying out responsibilities, reported to J.P. Morgan Facilities Department Manager. Work assignments included coordination of tenant fit-out work with client users including fixtures, furnishings and equipment as well as requisite utility installations.

MTA Bridges and Tunnels' Henry Hudson Bridge. *Electrical Specialist.* Rob managed the fiber optic installation on the Northbound Gantry for the new traffic surveillance cameras. This $1.5 million project included cabling and installation of traffic observation cameras for the MTA police.

Federal Bureau of Prisons, 1000 Cell Federal Detention Center, Brooklyn, NY. *Electrical Specialist.* Rob performed total inspection responsibilities for all of the electrical systems for a $105 million, 500,000 SF, 1000 Cell Federal Detention Center. Managed installation of fiber optic backbone to support the Data Center, including LAN installation and horizontal cabling installation. Responsible for integrating the UPS and lightening protection system. Prepared electrical change orders, estimates and technical representation to the Contracting Officer during negotiations.

Victor Kee
Senior Inspector
Jacobs

Education:
AA, Fine Arts, County College of Morris

Registrations:
N/A

Years of Experience:
37 Years

Victor Kee is a Construction Inspector with more than 37 years of experience as a Construction Inspector, Superintendent, and Foreman. His experience includes inspections as well as all phases of carpentry.

RELEVANT EXPERIENCE

New Readiness Center at Camp Smith, Cortlandt Manor, NY. *Project Superintendent/Construction Inspector.* Jacobs is providing Construction Management services for the construction of a new $26M state of the art "Readiness Center" (armory). This new building houses the 42nd ID Army Band two infantry units, Command group, and a communications group. This facility includes an Assembly Hall, Lecture Hall, SIPNET room, classroom and conference rooms, general and executive office space, storage space, five (5) gun vaults, band practice rooms, recording studio, music and instrument storage.

New Jersey Schools Construction Corporation / NJEDA $830M Schools Construction Program, Paterson, NJ. *Project Superintendent.* Jacobs is providing program management for New Jersey Schools program including health and safety projects, new construction and repair and renovations. The contract include managing $71 million in health and safety projects in the first year of the program, with subsequent assignment of major construction projects, including 11 new schools. The total program value is $830 million (estimated construction cost). Jacobs is currently contracted for the first $400 million of this program, which started in 2001 with estimated completion in 2006.

Project Management Firm, *Project Superintendent.* Responsible for 115,000 SF, $27 million project monitoring work in progress for a Project Management firm. Scheduled and supervised all DCA and testing agency required inspections, filled out daily reports, attended job meetings, and worked with the general contractor and subcontractors coordinating work activities and material deliveries.

American Concrete and Masonry. *Carpenter/Foreman.* Read plans, layout work, ordered materials, setup inspections, and managed workforce to complete projects on time.

Local 124 Carpenters. *Journeyman/Foreman Carpenter.* Attained experience in all phases of carpentry including concrete formwork, wood and metal stud framing, suspended ceilings, doors and hardware, scaffold erection, trim-work, drywall installation, casework fabrication and installation, and learned to read plans and use layout instruments.

W. Ross Wear
Senior Inspector
Jacobs

Education:
History and Economics

Registrations:
ICC Certified

Years of Experience:
31 Years

Ross Wear has more than 31 years experience in the construction and engineering fields. He has been responsible for start-up training, project management and supervision. He also has experience providing technical guidance; meeting and completing schedules within budget; and monitoring contractors to ensure compliance with all contractual obligations, scheduling, and productivity levels. His construction engineering experience consists of addressing civil, structural, mechanical, piping, administrative, engineering, scheduling, and material problems for the field; interpreting specifications, codes, and drawings; amending designs; and coordinating inspections.

RELEVANT EXPERIENCE

Plant Expansion Project, US Borax, Boron, California. *QA/QC Manager.* Scope included civil, reinforced concrete, structural, mechanical, and piping; was the Kern County Deputy Inspector onsite; completed on time and under budget.

Facility Upgrade, GSA Tucson Federal Courthouse, Tucson, Arizona. *Subcontract Coordinator.* GSA supervision of tenant improvements including demolition in a multi-story federal courthouse to facilitate new elevator installation, holding cells, security walls, and utilities; 100% client satisfaction ratings.

405/55 Interchange, Cal Trans, Irvine, California. *QC Inspector.* Scope included Cal Trans Field inspections, traffic closures, and change order processing.

NIF Project, Lawrence Livermore National Laboratory, Livermore, California. *QC Manager.* Supervision of an inspection staff of 9 to assure compliance to contract requirements for lab; set up Installation Verification Checklists, Non-conformance Reporting, tracking, and closure; Welding Program, Calibrated Measuring and Testing Equipment Program and Daily Reporting; supervision of Receipt & Source Inspection Programs, subcontracted QA, inspections, and their contracts.

MTA Universal City Restoration Contracts, Burbank, California. *QC Supervisor.* Supervised an inspection staff in charge of ensuring contractor and subcontractors comply with all City of Los Angeles and Cal Trans requirements for the Lankershim bridge widening, 101 Freeway Over Crossing, Ramps, Red Line Bus Plaza, and parking lots; letter of commendation from JMA / Hatch, Mott, McDonald Corporation.

MTA Redline Subway, Los Angeles, California. *QC Supervisor.* Supervised an inspection staff of 10 in charge of ensuring the contractor and subcontractors complied with all specification, drawing, code, and contract obligations for architectural, civil, structural, electrical and mechanical disciplines. Construction of the Hollywood / Highland Station multi-story underground structure and associated tunnels included supervision of excavation, shoring, backfill, HDPE waterproof membrane, forming, rebar, concrete placement, structural steel, and architectural finishes.

Dan Wardrope
Senior Inspector
Jacobs

Education:
Coursework, Construction, University of Washington

Registrations:
N/A

Years of Experience:
29 Years

Dan Wardrope has over 29 years of experience and has worked on a variety of commercial and public facilities projects, including secondary and university facilities, retail facilities, fire house, churches, and residential facilities. His duties have included acting as the Owner's representative, overseeing scheduling, budgeting, contract negotiations, and coordination of inspection and engineering services for major construction projects.

RELEVANT EXPERIENCE

Staten Island Supreme Courthouse, Dormitory Authority State of New York, Staten Island, NY. *Construction Manager.* Jacobs is providing Construction Management services during Design, Pre-Construction and Construction, and will also provide General Conditions Administration. Once built, the new Staten Island Supreme Courthouse will be a state-of-the-art courthouse containing 14 Courtrooms in a 154,000 GSF facility with associated parking for the needs of Supreme Civil Court, Supreme Criminal Court, the Surrogate Court and related Agencies. The new courthouse will also contain secure holding facilities with a capacity to accommodate approximately 100 prisoners. Each detention pen will contain toilet facilities and be constructed to hold separate genders and age groups. The project involves all principal construction management disciplines including architectural, civil, structural, HVAC, plumbing, electrical, fire alarm, telecommunications and security.

International High School, Paterson, NJ. *Superintendent.* This $37.5M project entails the complete new construction, building and site work, for the full program - new International High School. The 115,000+/- square foot facility has been planned as a main four-story structure running east to west with two flanking wings along Grand Street. Responsibilities and tasks included use and maintenance of Prolog Project Management system including customizing reports and forms to document and track contractor activity; review and observation of contractor field labor, material and project activity; assist and track projects' percent of completion to assist in evaluation of contractor requisitions; maintain photographic log; collect and review contractor daily reports; conduct pre-installation conferences; assist with RFI review and resolution; coordinates NJDCA and all other agency construction inspections; and monitors and documents daily compliance with client safety program.

Marshall Street School, Paterson, NJ. *Superintendent.* The $32.4M Marshall Street School is a new K-8 grade school that will house 641 students within one facility with the goal of providing continuity and stability in their critical early years. The contract is divided into three phase (1) demolition and site clearing (2) major site improvements (3) new school construction. Tasks included use and maintenance of Prolog Project Management system including customizing reports and forms to document and track contractor activity; review and observation of contractor field labor, material and project activity; assist and track projects' percent of completion to assist in evaluation of contractor requisitions; maintain photographic log; collect and review contractor daily reports; conduct pre-installation conferences; assist with RFI review and resolution; coordinates NJDCA and all other agency construction inspections; and monitorsand documents daily compliance with client safety program.

Hatoum Hatoum
Senior Inspector
Jacobs

Education:
MS, Civil Engineering, Polytechnic Institute, 1982
BS, Civil Engineering, Polytechnic Institute, 1981

Registrations:
N/A

Years of Experience:
29 Years

Hatoum Hatoum is one of Jacobs' most experienced Construction Inspectors for New York area infrastructure projects, having served in these capacities for many New York agencies, including the Port Authority of New York and New Jersey, MTA Bridges and Tunnels, NYCDOT, and NYSDOT. Previously, Mr. Hatoum was an estimator for new construction and renovation projects in the United States and Project Engineer for building and infrastructure projects in Saudi Arabia

RELEVANT EXPERIENCE

MTAB&T Henry Hudson Bridge Lower Level Deck Replacement. *Senior Construction Inspector.* $85 Million renovation of the Lower Level of the Henry Hudson Bridge in New York City. Construction management, inspection testing, emergency response and other services required for administering and managing the project to ensure it meets the cost, schedule, quality, safety and other criteria of this contract. Project HH-80 will involve concurrent work at multiple work locations with days, nights and weekend shift work and close coordination on a daily basis with Bridge Operations, Maintenance, and Engineering staff, and with New York City agencies, utility companies, and other entities engaged in work at the Henry Hudson Bridge.

MTAB&T's Brooklyn Battery Tunnel, New York, NY. *Assistant Resident Engineer.* $80 million Construction Administration and Inspection services for the rehabilitation of roadway and fresh air ducts at the Brooklyn Battery Tunnel. $30 million Structural Repairs and Lighting System Improvement; and Mechanical, Plumbing, Fire Protection and Electrical Rehabilitation and Upgrade of the Battery Parking Garage. Responsibilities include maintaining computerized document control system.

Performance of Expert Professional Program and Construction Management Services on an "As-Needed" Basis, Port Authority of New York & New Jersey. *Construction Inspector.* Responsible for providing construction management and inspection services on project related to PATH. Provided management and oversight for interior renovations at One Journal Square.

Queens Midtown Tunnel Roadway Slab and Fresh Air Duct Sidewalls, Contract QM-12 RFP No. PSC-93-2273, $19 million Construction Inspection and Support Services. *Senior Inspector.* Replacing virtually all of the steel-reinforced concrete that supports the asphalt roadway seen by motorists. Sealing the reinforced concrete with a waterproofing membrane to prevent moisture seepage that weakens the roadway. Resurfacing the roadway with waterproof Trinidad asphalt and grooving the asphalt to prevent vehicle skidding. Thorough lead and asbestos removal in the ducts running along both sides of each tube and upgrading the fresh-air flues.

MTA Bridges and Tunnels, Henry Hudson Bridge, PSC-91-2175, New York, NY. *Senior Inspector.* Project included construction engineering and inspection of repairs and included repairs of abutment, anchor bolt repairs to bridge skewbacks, concrete repairs to piers, underwater concrete repairs, replacement of rip-rap, structural steel repairs at main towers and concrete repairs.

Hector Chiong
Senior Inspector
Jacobs

Education:
AAS, Drafting and Design Technology – In progress

Registrations:
NICET Highway Construction – Level IV, 2002
ACI Field Testing Technician – Grade I, 2000

Years of Experience:
10 Years

Hector Chiong has 10 years of extensive construction inspection and observation experience on transit and bridge projects in the New York Metropolitan area for such clients as MTA, NYSDOT, NYCDDC, NYSDOT and NYCEDC on a "Call-In" basis.

RELEVANT EXPERIENCE

MTA NYC Transit, Charleston Bus Annex, Staten Island, New York. *Civil Senior Inspector.* Safety and Quality Inspection monitoring Design/Build "Green"construction including job site safety which included removal of 10 acre vegetation for major fill/excavation work modifying contour to plan requirements. Installation of sheet piling retaining walls to support bus parking area. Various reinforced concrete construction which includes: building foundation footings, piers, walls, overhead and on-grade slab floors; pile caping, approach ramps, pedestrian bridge deck, barrier walls, sidewalks and steel faced curb construction. Also monitored steel erection work: interior building columns and support steel and exterior bridge steel. Additional exterior work includes: guide railing, bollards, and ornamental railing installations, storm drainage sewer, manholes and catch basins, asphalt concrete placement, line stripping and also exterior architectural block work for building. Supply daily inspection reports.

NYSDOT, Gowanus Expressway Emergency Repair Of Route I-278 Viaduct. *Civil Chief Inspector / HOV Inspector (Level IV).* Management and supervision of field inspection staff performing Safety and Quality inspection work: Elevated bridge deck demolition and fall protection setup, reinforced bridge deck reconstruction, scupper installations, major upgrade to bridge fascia railing. Bridge steel panting and containment setup. Supervised High Occupancy Vehicle (HOV) daily transportation setup, removal and maintenance operation. Inspection of daily MPT lane closure operations. Supply daily inspection reports.

NYCDDC, Pedestrian Ramps at Designated Locations in the Borough of Bronx. *Chief Inspector / Office Engineer (Level IV).* Field supervision and assistance to inspection staff monitoring construction activities: Field survey designated street locations, inspecting existing sidewalk conditions and authorize type of pedestrian sidewalk to reconstruct. Record data on spreadsheets for final review, review Inspector Daily reports, contractor payments and log Engineer's Daily Diary.

NYSDOT, Long Island Expressway / Clearview Expressway, Interchange Improvements Project. *Chief Inspector / Civil Senior Inspector (Level IV).* Job site safety and supervision of field inspection staff supervising the following activities: Construct temporary approach ramps for the installation of a temporary steel bridge for staging work. Excavation and backfilling work, bridge deck demolition and reconstruction, including abutment walls and footing/pier construction. Roadway demolition and reconstruction, under drain and storm drainage installations, asphalt concrete placement, solider pile retaining wall and noise barrier wall construction, MPT safety enforcement.

NYSDOT, Reconstruction of Martin Luther King Expressway NB & SB *Civil Senior Inspector (Level III).* Safety, quality inspection and daily reporting.

Jacob L. Dallas
Special Inspector
Jacobs

Education:
M.E, Civil Engineering
B.E., Civil Engineering

Registrations:
Track Safety, 2008,
#[redacted]
Concrete Field Testing ACI Certificate, 2008
Asphalt Paving Certification (NJSAT), 2010
AutoCAD/ Land, 2009
#[redacted]
Traffic Control Cord.
#[redacted]
Work Zone Safety Awareness #[redacted]

Years of Experience:
13 Years

Jacob Dallas has over ten years of experience in the construction field and has held numerous progressively responsible positions in construction management. His area of expertise includes Guideway decks, structural concrete and steel, highway box construction, utility relocation and heavy demolition. He has extensive experience in field inspections, office engineering and document control specialties.

RELEVANT EXPERIENCE

Bayonne Local Redevelopment Authority (BLRA), Route 440 Grading, Paving and Traffic Signal Improvements. *Construction Inspector/Office Engineering.* Responsibilities included: Inspection of Maintenance and Protection of Traffic (MPT); Inspection of Installation of new drainage structures and RCP; Inspections of earthwork, paving, concrete work, reinforcement steel placement; responsible for safety coordination and Utility relocation work.

Inspection of roadway boxing for reconstruction; inspection for installation of electrical conduit, modified foundations and traffic signals; HMAC paving of widening roadway, milling and resurfacing and responsible for Safety operations of heavy demolition work.

Conrail National Docks Clearance Project (CSX), Bergen Tunnel Clearance Project, Jersey City. *Part Time Chief Inspector.* Responsible for overseeing construction Inspections for a 4,000 linear foot long tunnel including overseeing heavy demolition of tunnel crown, drilling for anchoring rock bolts and flowable fill placement; mucking and clearing of track bed; and compliance with contract plans and specifications.

Southeastern Pennsylvania Transportation Authority (SEPTA), Market Street Elevated Program Management, Philadelphia, PA. *Civil Construction Management QA/QC Inspection/Office Engineering.* Responsiblities included: document control including shop drawings, transmittals, correspondence, RFIs, distribution and tracking of contract drawing and specification revisions; preparation of PCOs, CICs and Change Orders; maintenance and protection of traffic; inspection of pre-cast Guideway decks, structural concrete and steel; inspection of Bolt up, match marking and Skidmore testing; inspection of post tensioning anchor bolts for pedestals; Safety observations of demolition and removal; inspection of roadway milling and resurfacing; inspection of track construction; inspection of backfilling and compaction and inspection of guardrails.

Vincent Palacio
Senior Inspector
Jacobs

Education:
Computer Technology

Registrations:
NICET, Level IV, 2006
ACI Certified, 2006

Years of Experience:
30 Years

Vincent Palacio has provided construction inspection services on numerous bridge and roadway projects in the New York City area.

RELEVANT EXPERIENCE

MTA Bridges and Tunnels/TBTA, Brooklyn Battery Tunnel. *Chief Inspector* for rehabilitation of the Manhattan Blower Building and Manhattan Underground Exhaust Building. Work includes steel and concrete repairs, removal of lead paint and asbestos, maintenance of traffic during tube closures, and coordination of work with TBTA operations and maintenance staff.

NYS Department of Transportation, Gowanus Expressway Viaduct Emergency Repair Contract, Brooklyn, NY. *Senior Inspector* responsible for construction inspection services of full-depth and partial-depth concrete deck repairs, structural steel repairs, retaining wall repairs, and maintenance and protection of traffic. The Gowanus Expressway is a three-mile-long elevated viaduct reaching a height of 120 feet over the Gowanus Canal. D007423

NYC Department of Transportation, Manhattan Bridge Reconstruction, New York, NY. *Construction Inspector.* Responsibilities on this $124-million project involved replacement of truss bearings in both approach spans; rehabilitation of south side tunnels; replacement of lower roadway double floorbeams in both approach spans; rehabilitation of the eyebars in anchorage B chambers; rehabilitation of the Brooklyn Plaza Park; replacement of subway floorbeams and stringers on the south side in both approach spans and suspended spans; rehabilitation of the center arch and colonnades at the Manhattan Plaza; and installation of temporary street lighting.

New York City Department of Transportation, Manhattan Bridge Rehabilitation, New York, NY. *Construction Inspector.* Responsibilities on this $97-million project involved the replacement of reinforced concrete-filled grid deck; structural steel stringers and diaphragms; installation of new steel expansion joints and replacement of downspout drainage system for the two west side approach spans; installation of a truss stiffening system for both west side spans and completion of the stiffening system for the east side spans; completion of rehabilitation of pedestrian west walkway including new extension ramp in Manhattan; placement of micro-surfacing overlay on concrete gridwork; chemical stripping of paint; installation of temporary and permanent concrete barriers; installation of shear studs for deck; and placement and field testing of concrete and asphalt.

Reconstruction of Chatham Square, New York, NY for the New York City Department of Design and Construction. *Construction Inspector.* Responsibilities on this $7-million reconstruction project involved the installation of 36", 20", and 12" water mains; rebuilding roadway and sidewalk; installation of new drainage; installation of new traffic signals; street lighting and revised traffic pattern; and establishing park areas within the square and refurbishing statues.

Ornamental Railing Projects, Jamaica, NY. *Project Superintendent.* Supervised multiple projects. Duties involved project layout, scheduling, and direct contact with workforce and clients.

Gerald J. Petroski
Senior Inspector

Education:
A.S., Building Construction / Engineering Technology

Registrations:
ACI Certified

Years of Experience:
32 Years

Gerald Petroski is experienced in various aspects of construction management with over thirty years of extensive construction engineering experience managing a diverse range of rail projects. He regularly monitors construction and design progress, coordination with third parties in regards to clients needs, scheduling client flagmen services for contractor's work operations and invoicing concerns of third parties as they relate to client services. Gerald is also thoroughly experienced in the various aspects of maintenance and protection of traffic, construction staging, and construction administration for major rail reconstruction projects in complex urban environments, particularly in the Metro New York/New Jersey area.

RELEVANT EXPERIENCE

CONRAIL, On-Call Engineering and Construction Management Service Contract, NJ. As an extension of Conrail's staff, we have been responsible for the design, bid assistance, and construction management for on-call assignments. Gerald's assignments have included:

Meeker Ave. Bridge, Newark, NJ. *Project Engineer/Inspector* responsible for Construction Management services for the Meeker Ave. Bridge, Newark, NJ assignment. He was responsible for emergency structural repairs and bridge change out. Work included new steel girders and new grillages; Double track - one freight (Conrail), one passenger (NJ TRANSIT); and two bridges at two spans each. Work had to be accomplished in two weekend shutdowns fir change out

Chemical Coast Bridge Replacement Project - Pyles Creek, Linden, NJ. *Project Engineer* for construction management for the replacement of a four-span, double track, ballast deck railroad bridge over Pyles Creek, Linden, NJ. Work included tidal influenced scheduling, steel pile driving, track relocation, and staging. Mr. Petroski scheduled and coordinated all work with railroad operations by initiating Bulletin Orders for track outages, cut-overs, and track protection. He also managed contract work and coordinated same with railroad trades including Communications and Signals; Track and Building & Bridge Departments.

AboveNet Fiber Optic Cable Relocation for Waldo and Bergen Tunnel Enlargement Project. *Project Engineer* for coordination and construction oversight of the AboveNet FOC relocation through the Waldo and Bergen Tunnels on the National Docks Branch, Jersey City, NJ. Work is for Conrail in advance of the proposed tunnel clearance project. Developed plan for wall-mounted relocation in Waldo Tunnel and coordinated track usage, flagman scheduling, and inspection of physical work. Worked directly with AboveNet consultants to locate existing lines and develop plans for relocation in conjunction with Conrail Specifications and Standards.

Bergen Tunnel Clearance Project, National Docks Branch. *Project Engineer* responsible for coordinating survey and tunnel mapping, rock coring, assist in pre-engineering, development of plans, specifications, proposal, and bid quantity sheets for the proposed project in Jersey City, NJ.

Jeff Rudenjak
Resident Engineer
Jacobs

Education:
B.S., Civil Engineering Technology
A.A.S., Engineering

Registrations:
NICET Level IV, [redacted]
ACI, Concrete Construction Technology Course
ACI, Concrete Field Testing Technician – Grade 1
NJSAT, Asphalt Paving Technologist

Years of Experience:
26 Years

Jeff Rudenjak is an accomplished Field/Construction Engineer. He has been the Resident Engineer for the last 18 Southern Bridge Deck and Resurfacing contracts for the NJTA. Jeff was also the Office Engineer for the $33.4 million dualization of two miles of mainline roadway of the New Jersey Turnpike. His duties include issuing task assignments to inspection forces; verifying inspectors' reports; managing various project records; monitoring the shop drawing progress; preparing as-built drawings and progress reports; project scheduling; and reviewing design contract drawings.

Jeff served as inspector for the Howland Hook Marine Terminal construction inspection project in Staten Island, New York. This work involved rehabilitation of yard fire hydrant system and cargo crane wharf rail system; installation of an earth retaining sheet pile wall and redesign of yard drainage network. His duties included site supervision and inspection, and preparation of daily progress reports and as-built drawings. He also performed inspection for a Gulfport Terminal construction project in Staten Island, New York.

RELEVANT EXPERIENCE

NJ Turnpike Authority (NJTA), Bridge Deck Repairs and Resurfacing Mile 0 To Mile 83 and Pearl Harbor Memorial Turnpike Extension, Contracts. *Resident Engineer* responsible for providing construction inspection services related to bridge deck repairs and resurfacing of bridges. This project included multi-span bridges and multiple bridge contracts. Mr. Rudenjak was responsible for coordination and assignment of the inspection team, and tracking and approving payment of all budget related items for the inspection and construction of this project.

NJ Turnpike Authority (NJTA), Design Services for the Lengthening of Six New Jersey Turnpike Bridges, Southern, NJ. *Construction Engineer* responsible for providing construction consultant services consisting of constructability issues, review of MPT schemes, construction schedules, and shop drawing review.

NJ Turnpike Authority (NJTA), New Jersey Turnpike Interchange 9 Toll Plaza Expansion and Construction, New Brunswick, NJ. *Chief Inspector and Office Engineer* on this $7.1-million construction project to expand the toll plaza with widening and additional ramps.

NJ Turnpike Authority (NJTA), 1988-91 Widening, NJ, Completion Date 1991, East Brunswick, NJ, 860001042-2. *Office Engineer* for this $27million project involving the construction of 16 retaining walls and 5 bridges. The project also included grading, drainage, paving, structures, and the relocation of utilities. This $27 million widening project included two miles of four-lane widening.

NJ Turnpike Authority (NJTA), 1989-90 Main Street Overpass, Milltown, NJ. *Office Engineer* for this $5.5-million project involving drainage, paving, relocation of utilities, construction of temporary structure, removal of previous structure, and erection of a new bridge structure over the New Jersey Turnpike, with installation of posts for noise barriers and other related work.

Arthur B. Salisbury
Senior Inspector
Jacobs

Education:
Civil Engineering Technology

Registrations:
NICET - Level IV#[redacted]/US/1987/ 2011
ACI - Level I - American Concrete Institute#[redacted]/1998/ 2013
ACI - Level II - American Concrete Institute#[redacted]1998/ 2011
NJ SAT - Asphalt Technology Certificate/2012
TCP - Traffic Control Coordinator, Course #446, Feb. 14, 2003 / Rutgers Center for Advanced Infrastructure and Transportation/Local Technical Assistance Program

Years of Experience:
40 Years

Arthur Salisbury has served extensively on construction inspection and observation projects for the construction and widening of roads, bridges, and toll plazas. His experience covers all phases of highway and bridge construction, including inspection of materials at asphalt and concrete batch plants, as well as engineering and construction survey duties. He has also inspected sandblasting and painting on several bridge rehabilitation projects.

RELEVANT EXPERIENCE

NJ Turnpike Authority (NJTA), Supervision of Construction Services. *Assistant Resident Engineer* responsible for day and night work cycles to rehabilitate land and water spanning bridges. Oversaw construction of concrete repairs on substructure members (abutments, piers, columns, caps), structural steel repairs (on damaged girders, haunches, bearings, diaphragms), utilization of temporary shoring/jacking towers to support deck stringers, applied epoxy waterproofing, localized SSPC SPC6 cleaning of lead based paint systems for steel repairs with Level 4 – Class 4 containment then recoating with an epoxy mastic paint, completing emergency steel repairs under on-call status, MPT for lane closings on GSP and NJDOT roadways.

NJ Department of Transportation (NJDOT), Construction Inspection Services for Shark River Bridge, Belmar, NJ. *Chief Inspector* responsible for construction inspection services including pile installation, inspection of substructure and superstructure concrete, as well as inspection of reinforced and structural steel placement. Mr. Salisbury was also responsible for daily reporting including quantities and as-builts.

NJ Turnpike Authority (NJTA), Bridge Deck Repairs, OPS #1823, NJ. *Chief Inspector* responsible for assisting the Resident Engineer with providing construction inspection services including bridge deck replacement, parapet replacement, armor joint repair and replacement, latex modified concrete placement, and asphalt resurfacing. This project entailed bridge deck repairs and resurfacing on about 15 bridges between Mileposts 0 and 83 and the Pearl Harbor Memorial Turnpike Extension. One of the bridges (the Delaware River Turnpike Bridge) is considered a major structure. This project entails continual (from project inception through February 2000) inspection services and upgrades to 15–20 NJ Turnpike bridges between Mile 0 and Mile 83 (Interchange 9). Additionally, bridge deck repairs are completed on various State and Local Roads during the construction cycle.

NJ Turnpike Authority (NJTA), Southern Bridge Deck Repairs Construction Inspection Services R-1309, Southern New Jersey. *Chief Inspector* responsible for assisting the Resident Engineer with providing construction inspection services including bridge deck replacement, parapet replacement, armor joint repair and replacement, latex modified concrete placement, and asphalt resurfacing. This project entailed bridge deck repairs and resurfacing on about 15 bridges between Mileposts 0 and 83 and the Pearl Harbor Memorial Turnpike Extension. One of the bridges (the Delaware River Turnpike Bridge) is considered a major structure.

Raymond C. Klein, PE
Mechanical Inspector
Jacobs

Education:
B.S. Mechanical Engineering

Registrations:
Professioanl Engineer: FL, CT, SC and MA

Years of Experience:
24 Years

Raymond Klein, PE is a highly experienced mechanical engineer with over 24 years of experience in the design of civil mechanical projects for both public and private clients. His expertise covers all aspects of transportation and facility mechanical design including HVAC, plumbing, and safety systems. Mr. Klein is knowledgeable in the most technologically advanced processes and programs associated with mechanical engineering including: indoor air quality maintenance, ACAD, CADvent, and Carrier HAP.

RELEVANT EXPERIENCE

General Services Administration, Region 2 U.S. Mission to the United Nations, New York, NY. *Mechanical Engineer.* Jacobs is providing on-call construction management services to GSA, Region 2. The new facility will be a heavily reinforced 26-story 150,000SF high-rise constructed of reinforced concrete.

New Jersey Schools Construction Corporation / NJ EDA Schools Construction Program, Paterson, NJ. *Mechanical Engineer.* Jacobs provided program management and construction management for New Jersey Schools program including Health and Safety projects, new construction and repair and renovations. The New Panther Science Academy included the gut renovation of an existing Auto Parts Facility and conversion into a classroom and computer labs. It also included the addition of a new state-of-the-art planetarium with funding from NASA.

Tren Urbano-Rio Piedras, Puerto Rico Department of Transportation, San Juan, PR. *Mechanical Engineer* responsible for design of mechanical systems for construction phases of HVAC and plumbing at the University and Rio Piedras stations. The project consists of a new, two-track transit system with approximately one mile of tunnel and two major stations. The 17 km, $1.5 billion design build project will bring transit service to San Juan. Worked on from 2000 to 2001

Blue Line Extension to Largo Design-Build, Washington Metropolitan Area Transit Authority, Addison Route, Washington DC. *Mechanical Engineer* responsible for the design of HVAC and plumbing systems for the Summerfield and Largo stations and Maintenance & Operations building. The project involves a 3.1-mile extension of the Metro Blue Line transit rail system from the existing Addison Road Station to Largo Town Center. The line extension includes two new stations; 1,700 route feet of at-grade double track; 10,500 route feet of underground structure and; 3 aerial structures with a combined length of 2,000 route feet. Worked on this project from 2002 to 2003.

Maverick Station, Massachusetts Bay Transportation Authority, Boston, MA. *Mechanical Engineer* for design of new HVAC and plumbing systems. This project involved rehabilitation an existing subway station. The platform had to be lengthened to account for new/longer trains and the fire protection system and electrical systems had to be brought up to current code requirements. The authority also added a second means of entry and several ancillary spaces. The track drains are located at this station as well and where not in working condition. Part of the project has been to bring the pumps back on line.

Craig Timko, PM
Resident Engineer
Jacobs

Education:
B.S., Civil Engineering Technology
A.A.S., Civil Engineering Technology

Registrations:
NICET, Level IV, Civil Engineering Technology/Associate Engineering Technician/Transportation Engineering Technology/Highway Construction, US, [redacted]
Date First Achieved/Earned: 02/25/1987
American Concrete Institute, ACI Concrete Field Testing Technician, Grade I, Expires 03/29/13
American Concrete Institute, NJ Chapter, Concrete Construction Technology Course, Expires 02/13

Years of Experience:
36 Years

Craig Timko,PM has three decades of experience with a proven track record of business aptitude and profitability in Construction Management, Construction, and Engineering. Craig has demonstrated the ability to create positive work environments and enthusiastic teams; possesses solid management techniques that translate to profitable project and office performance; strong communications skills; and experience speaking at company meetings, town meetings, and training events. He has worked extensively throughout the State of New Jersey, primarily for NJDOT, the New Jersey Turnpike Authority, and various counties including Essex County and Ocean County.

RELEVANT EXPERIENCE

County of Ocean, Design and Construction Administration Services for the Bay Avenue Improvements, Toms River, NJ. *Resident Engineer /Project Manager* responsible for inspection of roadway construction, installation of drainage asphalt, sidewalk, curbs, installation of electrical and traffic signals, test pits, as well as collection of field measurements, as-built drawings, monthly estimates, and progress reports.

County of Ocean, County Line Road Reconstruction, Lakewood/Jackson Township, NJ. *Resident Engineer* responsible for providing construction inspection services involving drainage, milling, paving, curbs, sidewalks, driveways, and construction of detention basins and new traffic signals at three intersections including all electrical installations. Mr. Timko was also responsible for extensive utility relocations and community involvement with residents along this highly residential area.

County of Ocean, NJ, Construction Inspection Services for the Reconstruction of Lacey Road, Ocean County, NJ, *Project Manager and On-Site Resident Engineer* responsible for the day-to-day inspection of the roadway reconstruction project. Elements of work include construction of a detention basin and new storm drainage system, new concrete curbs, sidewalks, and driveway aprons throughout the project, roadway widening, new signalized intersection, base and final HMA placement. Mr. Timko's duties include daily inspection of all construction operations, daily inspection reports including quantity tracking, monthly progress estimates, change order preparations, coordination between the County, the contractor, and the Township and final project closeout. Mr. Timko also assists local business owners and residents with problems related to the project.

County of Ocean, Construction Administration Services for the Reconstruction of Brick Boulevard, Brick Township, NJ. *Project Manager* responsible for scheduling inspection staff, monthly progress estimates and reports, shop drawings, and utilities coordination. As Resident Engineer his duties included providing construction administration services involving drainage, paving, curbs, sidewalks, inspection of bridge construction, and piles. Major work items include the total removal of roadway to subbase and the construction of new Aggregate Base Course and HMA paving, the installation of new drainage system, construction of two box culverts, and the construction of a new bridge over Kettle Creek.Vertical Lift Bridges built on the Hackensack River in 1930) and approach viaducts on a north alignment.

Richard S. Treloar
Resident Engineer
Jacobs

Education:
Associate in Arts; Civil Engineering

Registrations:
ACI Field Testing Certified

Years of Experience:
43 Years

Richard Treloar recently joined Jacobs after a long career with the New Jersey Department of Transportation.

RELEVANT EXPERIENCE

NJDOT Supervising Engineer Construction. *Field Manager.* Under the direction of the Regional Construction Engineer, supervised Resident Engineers/Field Staff during the administration of NJDOT Construction Projects.

NJDOT Project Engineer Construction. *Resident Engineer.* Direct, on site representative of the New Jersey Department of Transportation on highway contracts executed to contractors. Responsible for the administration of the contract including inspection of the work; preparing changes to the contract and correspondence; management of staff; resolution of construction issues; review of progress schedules; inspection, evaluation, and report on the general condition of the contractor's operations, the rate of progress, general and specific compliance with applicable local, state, and federal laws, codes, ordinances; utilized computer applications to complete assigned tasks; utilizing project site visits, evaluated the progress of work and inspection activities twice a day; coordinated all types of utility work. See list of projects.

NJDOT Principal Engineer Construction. *Resident Engineer.* See definition above; October 1997 to August 1998: Regional Safety Engineer responsible for evaluating the safety practices of Central Region construction activities, and participating in the creation of the Department's Office of Capital Project Safety

NJDOT Senior Engineer Transportation. *Asst. Resident Engineer.* Acted as Resident Engineer in his/her absence, supervised field staff, and inspected the contractor's construction activities.

NJDOT Assistant Engineer Transportation. Worked in the Department's Maintenance Engineering Regional Office designing solutions to maintenance issues.

RE - Route 9 Section 23E: Replace the Route 9 Bridge over Conrail and CR 522. Project consisted of structural concrete, pre-cast pre-stressed beams, HPC deck construction, utility relocations, roadway widening. Cost $15M.

RE - Route 9 Section 1M: Replace the one-mile long Route 9 Bridge over the Raritan River. Project consisted of structural concrete, structural steel, HPC deck construction, US Coast Guard coordination. Cost $35M.

RE - Route 35 Shark River Bridge: Replace the Route 35 bascule bridge over the north and south channel of the Shark River. Project consisted of directional drill utilities, H-piles, structural concrete, deep water cofferdams, HPC deck construction, large pre-stressed, pre-cast concrete beams, traffic signals, utility relocations, roadway widening, timber fenders, steel fenders, and extensive traffic control. Cost $45M.

RE - Beaver Dam Bridge: Replace the existing bascule bridge with the State's first hydraulic lift span bridge. Cost $8M.

Dennis Marchetti, PE
Lead Electrical Engineer
Jacobs

Education:
B.S. Electrical Engineering

Registrations:
PE Vermont License #[redacted]

Years of Experience:
38 Years

Dennis Marchetti, PE has 38 years of experience in industrial control system. This includes design, fabrication, inspection, testing, code compliance review, peer review, construction supervision, start-up, troubleshooting, manual writing, equipment failure emergency response and training. He is thoroughly familiar with all types of control systems used on movable bridges, from antiquated manual Ward-Leonard and saturable core reactor starters and full magnetic control to power synchrotie, state-of-the-art programmable logic and touch screen controllers, servo, motion control, primary thyristor, vector and DC drives and event recording and data acquisition systems. Mr. Marchetti has a thorough understanding of hydraulic bridge operation systems.

Dennis' experience includes the inspection of over 75 movable bridge control systems, design of over 25 movable bridge control systems and 3 canal lock control systems, support services for 10 movable bridges, fabrication of 7 movable bridge control systems, systems coordinator/integrator for 4 movable bridges, study for expert witness for 2 accident investigations in addition to the design of control systems for numerous heavy movable structures including theme park attraction, theater stages, etc.

RELEVANT EXPERIENCE

Shrewsbury Bridge, Shrewsbury, NJ; New Jersey NJDOT. *Lead Electrical Engineer.* Performed biennial inspections; wrote reports and repair recommendations according to NBIS and NJDOT standards.

Roosevelt Island Bridge NYCDOT, Queens, NY. *Lead Electrical Engineer.* Contractor's Electrical Coordinator.

Greenbank Bridge, Greenbank, NJ; NJDOT. *Lead Electrical Engineer.* Performed biennial inspections; wrote reports and repair recommendations according to NBIS and NJDOT standards.

Pelham Bay Bridge – Amtrak, Pelham, NY. *Lead Electrical Engineer.* Safety Upgrade of the Control System

Arthur Kill Bridge, Staten Island, NY. *Lead Electrical Engineer.* Troubleshooting

Harlem River Lift Bridge,New York, New York, Triboro Bridge & Tunnel Auth. *Lead Electrical Engineer.* In-depth Inspection and Report

Arthur Kill Lift Bridge, Staten Island, NY. *Lead Electrical Engineer.* Troubleshooting

Pelham Bay Bridge, New York, Amtrak. Lead Electrical Engineer. Control System Integration, Startup and Training

Madison Avenue Bridge, New York City, Madison Ave. Bridge. Lead Electrical Engineer. O & M Manual review

Wittpenn Bridge, Jersey City, NJ, New Jersey Department of Transportation. *Lead Electrical Engineer.* Lift Span Control System Design

Staten Island Ferry Slips, New York City Department of Transportation. *Lead Electrical Engineer.* In-depth Inspection/Production of Testing Procedures

Bradford R. Hollingsworth, PE
Bridge Mechanical Engineer
Jacobs

Education:
BS, Mechanical Engineering

Registrations:
Professional Engineer: PA

Years of Experience:
12 Years

Brad Hollingsworth's experience includes the design of 30 movable bridge machinery systems (hydraulic and gear driven), inspection of over 50 movable bridges, construction inspection or supervision of almost 50 movable bridge projects, strain gage balance testing of 10 movable bridges, and involvement in the manufacture of machinery for over 100 movable bridges of all types throughout the United States. Brad was the author of two technical papers entitled "AGMA Requirements for Movable Bridge Speed Reducers", presented at the HMS First Biennial Movable Bridge Symposium, November, 1985; and the author of "Standardizing Mechanical Inspections of Movable Bridges", presented at the HMS Third Biennial Movable Bridge Symposium, 1990.

RELEVANT EXPERIENCE

Movable Bridge Design Experience – Bascule Bridges, Cape May Canal project, New Jersey Transit, Cape May, NJ. Design-build contract to activate the single track swing span after many years of abandonment. Inspected the machinery systems and designed repairs to make the swing span operational. Brad worked closely with the Operating Railroad, Contractor and Electrical Designer to complete cost effective rehabilitation of the machinery systems. He also provided hands on assistance during the construction phase of the project.

Harlem River Lift Bridge Project, NYC DOT, New York City, NY. Project consisted of an in-depth inspection and rehabilitation design for Metro-North's twin, two track vertical lift bridges over the Harlem River in New York City. He performed the in-depth inspection and designed a simplified span lock replacement system along with general repairs to the tower drive machinery.

Middle Thoroughfare Bridge, Cape May County, Cape May, NJ. *Project Engineer* for rehabilitation of this single-leaf trunnion bascule bridge.

Beach Lane Bridge, Suffolk County, Southampton, Long Island, NY. *Project Engineer* for design of new mechanical and electrical systems for new double-leaf trunnion bascule bridge. New mechanical system utilizes a fully enclosed gear drive. New control system utilizes PLC control

Lock Street Bascule Bridge, NYSDOT, Phoenix, NY. *Project Engineer* for machinery for this new trunnion bascule bridge.

Union Avenue Swing Bridge, NJDOT, East Rutherford, NJ. *Project Engineer* for interim mechanical and electrical rehabilitation of this swing bridge.

Madison Avenue Swing Bridge, NYCDOT, New York, NY. *Project Engineer* for machinery inspection for replacement for this rim roller swing bridge.

Movable Bridge Design Experience – Lift Bridges, Holley Lift Bridge, NYSDOT, Holley, NY. *Project Manager* for mechanical and electrical replacement and structural rehabilitation of this lift bridge over the New York State Barge Canal.

Main Street Lift Bridge, NYSDOT, Brockport, NY. *Project Manager* for mechanical and electrical replacement and structural rehabilitation of this lift bridge over the New York State Barge Canal.

J. Leo McGlynn, PE
Railroad Engineer
Jacobs

Education:
B.S., Civil Engineering, Penn State University,
Conrail Executive Management Program, Penn State University
Conrail Financial Management, University of Pennsylvania – Wharton School

Registrations:
Professional Engineer
Pennsylvania

Years of Experience:
32 Years

Mr. McGlynn is a results-oriented, responsible, engineering professional with extensive experience in railroad engineering, construction management, and design. He is a strong leader with excellent organization, financial management, and team building skills.

RELEVANT EXPERIENCE

CONRAIL, On-Call Engineering and Construction Management Service Contract, NJ. *Project Manager* for Conrail's National Docks Line Clearance Project. This $25 Million dollar project includes enlargement of the 4,100 foot long Bergen tunnel and the 400 foot long Waldo tunnel located in Jersey City, NJ. Tunnel project is progressed 24 hours a day seven days a week. Work will be completed by September 2010. As an extension of Conrail's staff, Jacobs has been responsible for the design, bid assistance, and construction management for on-call assignments. We have completed several fast-track designs that include existing ground survey, identification and coordination for relocation of existing utilities, assessment of track structure, design of track alignments for sidings and yard tracks, staging and sequencing of proposed work, design to cost and bid assistance. The proposed track alignments are optimized to minimize impacts to existing utilities.

North Jersey Terminal Capacity Improvement Infrastructure Project, Newark, NJ for Consolidated Railroad (CONRAIL), Northern, NJ. While still working for Conrail, Mr. McGlynn was the Client Project Manager with overall responsibility for this $68 M+ program. The Program included seven projects: Valley to Stock, Valley to Pike, Pike to PN, Bay Line Yard, Chemical Coast, Double Tracking of the Lehigh Valley Line (Potter to Bound Brook 10.5 miles), and Port Reading Junction, Manville, NJ. Mr. McGlynn worked closely with the Jacobs staff who were providing design, bid assistance, construction support, and construction management as an extension of the Conrail staff.

Consolidated Rail Corporation, Philadelphia, PA. Mr. McGlynn has over 32 years experience with Conrail, where he served in various capacities including:

Director Design and Construction. Mr. McGlynn managed a team that was responsible for the design and construction of all capital and state participation projects and construction agreement negotiation with government and transit agencies. Responsibilities included safety, customer satisfaction, employee development, on-time performance, budget, design, estimating, and construction integration with rail operations. Staff Size 7 to12

Directed a team that completed $168,000,000 in rail infrastructure projects:

- North Jersey Infrastructure Project, 10 Miles of double track from Bound Brook to Clark NJ , 8.5 miles of secondary and yard tracks and 8 new remote controlled interlockings.
- Reviewed and approved the track design for 75,000 feet of new on dock loading and support tracks at Port Elizabeth.
- Led a team that managed the Conrail- NJDOT Joint Participation National Docks clearance and CP Port Reading Junction upgrade and expansion.
- Worked with NJDOT Rail freight section managing the design/construction

Scott Paul Longazel
Contract Administration
Jacobs

Education:
Masters of Business Administration
AB, Engineering, Environmental Science & Engineering

Registrations:
N/A

Years of Experience:
10 Years

Scott Paul Longazel began his career as an Assistant for GE Lighting in 2000. Over the years he has gained experience in project planning and management in both superintendent and project management roles. Scott's experience is in supervision and management of commercial, industrial and residential construction where he has been instrumental in land use coordination, construction, and real-estate development. He has strong experience in scheduling, value engineering, budget review, specification reading, general contracting, design-build practices, construction and owner insurance policies, and requirements for construction/development. Scott understands and brings experience in the U.S. Green Building Council LEED rating system, specifically in how to implement LEED into a development/construction project.

RELEVANT EXPERIENCE

Time Equities, Inc., New York, NY. *Project Manager/Owner's Representative.* Scott was responsible for the construction management of several demolition and construction projects. He managed the development and construction of a 65-story, $500M, multi-use hotel luxury condo high-rise with a planned LEED Gold certification and managed the demolition of three buildings in lower Manhattan to include a 14-story masonry steel building, an 8-story masonry wood building and a 3-story tenement building. With extensive project experience in New York, Scott gained a strong understanding of Lower Manhattan's political system and working relationships with community members such as the New York State Dept. of Transportation, New York City Dept. of Transportation, Lower Manhattan Construction Command Center, Community Board 1, Fire Department of New York, New York Police Department, Verizon and Con Edison.

M. Gordon Construction Co., Linden, NJ. *Project Manager.* Scott simultaneously managed 3 - 4 development and construction projects averaging in size of 40,000 SF. He worked predominantly with high-end Magnetic resonance imaging (MRI) facilities in addition to industrial, religious, Educational and residential facilities. For these projects Scott worked closely with the development team, property management, and construction personnel to deliver turn-key services on the projects. He also managed quality control and insurance programs, implemented and trained staff on Timberline Project Management, coordinated design with design professionals and obtained permits from various city and state agencies.

Irwin & Leighton, Inc., Philadelphia, PA. *Assistant Superintendent.* Scott provided on-site assistance during the construction of Phase I of the renovation of the Acopian Engineering Building at Lafayette College. His responsibilities included completing daily logs, monitoring subcontractor safety, addressing problems associated with demolition and construction, updating plans based on RFI responses and architectural bulletins, and addressing A/E conflicts.

Cutler Associates, Allentown, PA. *Assistant Project Manager.* Scott worked with project managers on multiple projects and gained extensive experience on tilt-up concrete industrial warehouse construction, Educational facilities and commercial office buildings. He was also assigned as the Quality Control Manager for a $12M warehouse facility for General Motors.

Loren Roller Schnitzer
Contract Administrator
Jacobs

Education:
BA Communications

Registrations:
N/A

Years of Experience:
23 Years

Loren Roller Schnitzer has over 23 years of experience in project management, procurement, and move coordination. With her knowledge of base building infrastructure and facilities management, Ms. Roller Schnitzer provides support for the planning of furniture installations and the coordination of activities leading to occupation of a site. Her experience also includes contract administration, site management, corporate facilities management, planning, estimating and scheduling.

RELEVANT EXPERIENCE

GSA Region 2 US Mission to the UN, New York, NY *Relocation Specialist.* This $103 million project involves a safe, secure, and state-of-the-art diplomatic facility for the U.S. delegation to the United Nations. The scope of work for the new building includes construction of a 27-story, 150,000 square foot, steel reinforced, cast-in-place concrete building that will accommodate nearly twice the amount of staff than its predecessor. The most prominent feature of the structure is the facility's blast-proof, architectural concrete exterior. The building includes specialized HVAC, security, and telecommunication systems. Jacobs also serves as commissioning agent for all critical systems of the program.

Polytechnic University, Brooklyn, NY. *Project Manager.* Responsible for the entire FF&E procurement program for the Othmer Dormitory, the Jacobs Academic and Athletic Facility, the Rogers Dining Hall, and the Regna Lounge. Developed program requirements with the end users and architects to create specifications for furniture and equipment. Created and managed the RFP process for all FF&E purchases, including installation services and storage requirements. Managed the furniture purchase process, and delivery and installation of the four projects.

J.P. Morgan, New York, NY. *Project Manager* Acted in a Facilities Management Department staff augmentation role to perform all functions that are required of a J.P. Morgan Project Manager in accordance with their procedures, including execution and completion of construction, renovation and remodeling projects. Supported the JPM Vice President of Facilities Management in space management and real estate strategy. Managed the relocation of the Private Client Group to the new facility. This scope of services included the RFP process; selection and management of the relocation consultant, and mover; and creating internal communications for the purpose of coordinating with the business groups.

SUNY Health Science Center at Brooklyn. Brooklyn, NY. *Project Manager* Managed and assisted the Director of Facilities Project Management in the development and execution of the FF&E budget for the Health Science Education Building. Achieved $1.5 million cost savings through renegotiations of existing New York State and group purchasing contracts. Developed and managed RFP activities for all consultants, contractors and vendors. Directed architects, trades, vendors and consultants in various modification projects. Verified contract deliverables for recommendation of payment. Supervised activities of project staff, relocation consultants and support staff.

Niurka Ozuna
Contract Administrator
Jacobs

Education:
B.S. Business Administration

Registrations:
N/A

Years of Experience:
9 Years

Niurka Ozuna has nine years of experience in the architecture/engineering industry, most recently working as a Project Engineer. As a Project Engineer, her responsibilities include performing a variety of routine assignments involved in the coordination of various engineering, construction, scheduling, purchasing and start up aspects of a project ensuring technical excellence across all disciplines.

RELEVANT EXPERIENCE

Dormitory Authority of the State New York, Bronx Mental Health Redevelopment, Bronx, NY. *Project Engineer.* As the Project Engineer, supporting the Senior Program Manager on this $300M project, she reviews designs and coordinates the distribution of client QA/QC submissions and architect responses. Reviews submittals and RFI's and enters them in to Contract Manager. Researches and presents project specific topics such as Noise Mitigation. Attends design and construction project meetings and assists with meeting minutes. Assists with estimate reconciliations and P6 schedule updates.

NYC Economic Development, East River Water Front, New York, NY. *Project Coordinator.* The East River Waterfront Esplanade and Piers Project, Phase 1 includes improvement and redevelopment of an approximate two-mile portion of the East River Waterfront extending from Peter Minuit Plaza at the southern tip of Manhattan to the East River Park on the Lower East Side. The scope of services includes preconstruction master scheduling, cost estimating, risk management, constructability review, packaging alternatives, staging & phasing and contract procurement. As a Project Coordinator, Niurka assisted with processing contract documents, client and sub invoices, supply and service report and other project requests as needed.

New York Metropolitan Transportation Authority (MTA), Engineering Construction Monitoring, New York, NY. *Project Coordinator.* On this project, we provided Independent Engineering Consulting (IEC) services to The New York Metropolitan Transportation Authority's (MTA) overall capital improvements program, which involved project and program monitoring, design reviews and programmatic reviews throughout the Authority's operating agencies which include: New York City Transit; Long Island Rail Road; Metro-North Railroads; Bridges and Tunnels; Second Avenue Subway and the East Side Access Project. As a Project Coordinator, Niurka assisted with certificates of insurance, pre-bills, client and sub invoicing, personnel utilization reporting and file management.

Nassau County Department of Public Works, Nassau County Building Consolidation Program, Westbury, NY. *Administrative Manager.* Nassau County Building Consolidation Program, Westbury provides program management services to help Nassau County to reduce its ongoing cost of facilities and increase both productivity of employees and service to county residents. Niurka's role provided support in staffing the project and contract administration.

Sheryl Seid Ng
Contract Administrator
Jacobs

Education:
N/A

Registrations:
N/A

Years of Experience:
25 Years

Sheryl Seid Ng has 25 years of experience in construction management in both private and public sector work. She has performed document control for several large design and construction programs and also assisted and supported the effort to organize complex billing cycle and to maintain detailed records.

RELEVANT EXPERIENCE

Nassau County Building Consolidation Program, Westbury, NY. *Project Engineer.* Global program management services for the Building Consolidation Program, a $300 million plan, in Nassau County to reduce its ongoing cost of facilities and increase both productivity of employees and service to County residents. Review the monthly requisition from the contractors to ensure that they are compliant with the requirements of the County. Provide assistance to the project managers in all pre-construction activities. Assist in the reconciliation of the Profit Sharing between CB and the subcontractor on the Nassau County project.

University of Connecticut, Summer Work Program, Hilltop Apartments, Storrs, CT. *Project Engineer.* Currently supporting the University of Connecticut Architecture and Engineering Services Department as Program Manager for a series of projects related to the remediation of code discrepancies, facility upgrades, and quality improvements related to existing facilities.

NYCSCA Construction Management Emergency Services New York, NY. *Project Engineer.* Construction management services on an emergency on-call basis for the NYCSCA for schools in all five boroughs of New York City. Responsible for the accounting/document administration. Compiled all the associated reimbursable and labor cost to be invoiced on a monthly basis. Entered into the Client's database the necessary accounting information to issue payment for the various task orders assigned. The volume of billing entailed $8M of which $7M is paid out to contractors.

DASNY, Hunter College - Brookdale Campus Rehabilitation New York, NY. *Project Engineer.* A $17 million project involved in the rehabilitation of the 10-story West Building, the 13-story North Building, and the 6-story East Building. Responsible for organizing and implementing the setup of the Primavera Expedition project management software to maintain all related construction submissions and correspondences.

NYCSCA Construction Management of NYC School Boiler Conversions, New York, NY. *Project Engineer.* Responsible for document control for the renovation and installation of new boiler systems at public schools throughout the New York City boroughs of Manhattan, Queens and Staten Island.

Joan Roof
Safety Engineer

Education:
BS, Psychology

Registration:
N/A

Years of Experience:
19 Years

Joan Roof brings 19 years of experience in the safety industry. She has extensive experience in safety inspection and the development of management plans for projects involving hazardous materials. Her work has involved lead based paint, asbestos, mercury, dioxins and PCBs. Joan's primary responsibility with Jacobs is implementing and overseeing the Safety Program policies and guidelines at all Jacobs project sites.

RELEVANT EXPERIENCE

Paterson Public Schools, Paterson, NJ. *Safety Manager.* Jacobs was hired to perform program management services for the Paterson Public Schools, School Construction Program. The contract included managing $71 million in health and safety projects in the first year of the program, with subsequent assignment of major construction projects for a total program value of $400 million in estimated construction cost. The initial health and safety projects include 35 campuses to review various upgrades such as HVAC, roof and window replacements, asbestos abatement, electrical upgrades, and exterior and interior wall repairs. Provided construction safety oversight on multiple campuses and project sites, safety training to Jacobs, client and partner personnel; performed asbestos, mold and lead-based paint abatement project management.

US Mission to the United Nations, New York, NY. *Regional Safety Manager.* Jacobs was contracted by the General Services Administration (GSA) Region 2 to provide oversight during the demolition of this 17-story high rise building in mid-town Manhattan. Work of the project included asbestos and lead-based paint abatement and general demolition. Joan provided safety oversight, training and assisted the contractors with procedural development for all phases of the project.

South Eastern Pennsylvania Transportation Authority (SEPTA), Philadelphia, PA. *Safety Manager.* Market Street Elevated Rail Replacement Project. Provide ongoing safety support, training and leadership resources to project team at this $800 million light rail replacement project in center city, Philadelphia, Pennsylvania.

Hillview Reservoir, Yonkers, NY. *Regional Safety Manager.* Jacobs contracted with the City of New York Department of Environmental Protection (DEP) to perform Construction Management and Resident Engineering inspection services for multi-prime contractor construction of a chlorine facility, permanent concrete cover, and reconstruction of the treatment chambers at the Hillview Reservoir in Yorkers, New York. The value of the current work is $22 million. Joan is responsible for corporate sponsorship of Jacobs' safety program; safety process development and safety training.

Keystone Building Project, Harrisburg, PA. *Project Health and Safety Officer.* Provided safety management and training for hazardous materials abatement and demolition project of an asbestos, PCB and dioxin-contaminated high-rise office building.

Luigi Cheichi
Safety Engineer

Education:
BS, Political Science and Ecomomics

Registration:
NYC DOB, 7-Hour Site Safety Manager Certification
4-hr Supported Scaffold Certification
40-hour Site Safety Manager's Certification
32-Hour Erector Dismantled license
OSHA 30 Hour Construction; Safety & Health Certification
NYC DOB MTA Transit Track Safety Certification
NYS Department of Labor Asbestos Class D Inspectors License
OSHA 2 hour Subpart; R-Steel Erection Certificate
CESCO CertificationN/A

Years of Experience:
39 Years

As Jacobs' Regional Area HSE manager, Luigi provides safety oversight for all our projects in New York. He has extensive knowledge of New York City code and safety requirements.

RELEVANT EXPERIENCE

NYCHA Hurricane Sandy Restoration Projects, Brooklyn and Queens, NY. *Safety Manager.* Jacobs provides Construction Management services for the multi-task and multi-site remediation and restoration of building areas and systems damaged by Hurricane Sandy. Project includes apartment renovation, abatement, cleaning, restoration of basements and crawl spaces, and replacement of boilers with new temporary gas-fired boilers and related gas service for 257 first floor apartments at multiple developments in Manhattan, Brooklyn and Queens. As the Safety Manager, Luigi advises the Project Manager in safety codes that apply to operations and ensures necessary safety procedures are established for compliance with codes.

Nassau County Department of Public Works-Multiple Projects, Long Island, NY. *Safety Manager.* Jacobs supports this $280M program where our team oversees programming, design, and construction of five centralized campuses including: Health and Human Services, Government Operations and Legislative Center, Public Safety Center, Courts Complex. As the Safety manager, Luigi maintains the construction safety programs in accordance with the client's and Jacob's policies and procedures. He conducts job hazards analysis, develops site specific Health and Safety Plans (HASP's), develops site specifi c safety orientations, reviews and approves subcontractor's HAPS's and provides written comment and work specific changes.

DASNY, Bronx Mental Health Campus Redevelopment, Bronx, NY. *Safety Manager.* Jacobs is providing CM services for this $300M development, which includes the construction of six new buildings, and supporting infrastructure improvements, on an operational campus. Luigi is responsible for maintaining construction safety programs in accordance with DASNY and Jacobs policies and procedures.

NYSOGS New York State Police Troop F Headquarters, Middletown, NY *Safety Manager.* We provide Construction Management as Agent and Inspection Services for the new Headquarters Building Addition, Headquarters Renovations and Field Investigations Unit Building. As the Safety Manager, Luigi, advised the Project Manager in safety codes that apply to operations and ensured necessary safety procedures are established for compliance with the codes.

NYSOGS Fishkill Correctional Facilities, Fishkill, NY. *Safety Inspector.* As the CMa, we manage the installation of Electrical Distribution Upgrades and New Firing Ranges. Throughout the project Luigi was responsible for maintaining construction safety programs in accordance with the client's and Jacob's policies and procedures. He performed safety audits of contractor activity, provided technical assistance to client's Design Process Review involving contractor work, and took authority to intervene and suspend operations when unsafe conditions could not be quickly resolved or if immediate danger to life, property, or environment was observed.

Seppo Siimes, RA
Architect Design Reviewer
Jacobs

Education:
B.A. Architecture

Registrations:
Registered Architect: NY

Years of Experience:
26 Years

Seppo Siimes, RA has more than 26 years of experience on federal, medical, institutional, correctional, residential, and commercial facilities. As a Jacobs Preconstruction Design Manager, Seppo is currently dedicated to design review management, pre-construction and A/E coordination of design-build and construction management projects. His project types include Courthouses, Justice Facilities, State Police Facilities, and various federal projects

RELEVANT EXPERIENCE

Clement Ruiz Courthouse and Federico Degetau Federal Office Building, Carlos E. Chardon Avenue, Hato Rey, PR. *Project Manager.* Responsible for managing the replacement of 1,362 window units for the 450,000-SF, seven-story building which includes a courthouse annex. All of the windows are blast resistant. In addition some of the windows shall have ballistic ratings and some will have infrared and radio frequency protection. The windows shall receive shades and there is some associated work for trim and finishes. This work will be completed while the building is occupied. Seppo attended meeting with each of the 19 agencies to determine their specific needs in terms of the window product; the construction phasing for each department and their operating procedures. Seppo attended progress meetings and provided input on the site logistics and the project schedule. He led a team of design reviewers who provided design and constructability reviews at the conclusion of each phase.

DASNY, Staten Island Supreme Courthouse, Staten Island, NY. *Design and Constructability Review Manager.* Responsible for Design and Constructability reviews for this 154,000-SF courthouse and associated 600-car parking structure. The courthouse will service the needs of Supreme Civil Court, Supreme Criminal Court, the Surrogate Court and related agencies. The court sets shall be comprised of seven Supreme Civil Courts, six Supreme Criminal Courts and a Surrogate Court.

Office of General Services, Hudson Valley Transportation Management Center, Hawthorne, NY. *Preconstruction Manager - Design and Constructability Review.* Jacobs provided CM services for the new construction of the $40-million Hudson Valley Transportation Management Center (TMC). The scope of work included the demolition of the existing State Police Headquarters, providing and maintaining temporary operations facilities during construction. The TMC helps in detection and verification of incidents, provides information to the public, responds to and clears incident sites and restores traffic flow in a safe and efficient manner. As Project Manager, responsibilities included management of CM staff, 6 prime contracts, multiple procurement contracts/vendors, and coordination of utility/ ITS infrastructure installations. Project was delivered under Wick's Law. This project won CMAA's National "Project of the Year" Award in 2005.

New Castle County Courthouse, Wilmington, DE. *Preconstruction Manager/ Project Management.* A $130-million new courthouse. Construction management services in joint venture. The new 15 story facility will consist of 558,000 SF, encompassing 53 courtrooms, to serve the State of Delaware's needs through year 2020 and will provide for horizontal expansion to accommodate growth thereafter.

John Hitsos, PE
Commissioning
Jacobs

Education:
BE, Electrical Engineering

Registrations:
Professional Engineer: TX
Level II Test and Startup Engineer Certification

Years of Experience:
36 Years

John Hitsos, PE has 36 years of technical experience in design, installation, commissioning, and retrofit of special projects, commercial / institutional buildings, power plants, DOE science research projects, pharmaceutical / biotech facilities, and healthcare installations. He has more than 16 years of supervisory experience involving the fast-track completion of engineering, construction, commissioning, and start-up assignments, achieving high quality technical solutions while adhering to aggressive project milestones and budgets. John is adept at developing and administering commissioning (Cx) programs, ensuring compliance of systems and equipment to design requirements and functional criteria.

RELEVANT EXPERIENCE

World Trade Center Transportation Center, New York, NY. *Commissioning Manager.* John is initiating and managing the commissioning program for a new world class transportation facility and its supporting systems, equipment, utilities, and infrastructure. John has created the Project's Commissioning (Cx) Plan and Cx document templates. He supervises/reviews the generation and execution of Cx checklist and test protocols for several hundred MEP and control systems and their components, including the spot network electrical systems, central fan plant, and emergency power plant. John has developed a phased commissioning approach for conditional test execution and system verification to facilitate system turnover and interim operation. Additionally, John conducts extensive site evaluations, establishes punchlists/corrective issue analyses, and coordinates interdisciplinary reviews.

Nazario U.S. Courthouse and Degetau Federal Office Building, San Juan, PR. *Commissioning Manager.* John is developing/supervising the Commissioning Process throughout the life cycle of this Bridging-Design-Build Project, upgrading the aging mechanical, electrical and plumbing systems of this 40-year Facility (approx. 420,000 SF), to achieve energy savings/efficiencies and obtain silver LEED certification. John's Cx role has extended from the Conceptual Bridging Design and Final Design Phases, through the Construction/Commissioning Phase, ending with the Occupancy Phase turnovers. He has generated Commissioning Specifications, a Commissioning Plan, and an Owner's Project Requirements document. He supervises and completes the development/execution of Construction Checklists and Functional Performance Test protocols, integrating the project's complex phasing and interim operation strategies

National Institute of Standards & Technology Chiller/Boiler Plant Upgrade/Addition, Gaithersburg, MD. *Commissioning Manager.* John managed the site's commissioning program for a Chiller (20,000 Tons) and Boiler Plant (420 MBTU/hr) Controls Replacement Project and a Chiller Expansion (3,500 tons) Project. Performed design and submittal reviews. Generated, completed, and directed checklists and functional performance test protocols. Prepared Cx summary reports and corrective issue analyses. Developed system commissioning test binders.

Pamela Godsoe, PE
Commissioning
Jacobs

Education:
BSc, Electrical Engineering

Registrations:
Professional Engineer: NJ

Years of Experience:
20 Years

Pamela Godsoe, PE has key management experience in all project phases - from inception to completion; including project initiation, RFP response, fee letters, project plan, project schedule, financial management. Specific areas of work include budget preparation, assessment reports, and client relationships. She has served as project engineer experienced in areas of project management and site investigations, reports, design briefs, tender documents, construction cost estimates, and construction supervision. Her experience includes electrical design for office, residential and telecom buildings, nuclear and military facilities, and wastewater treatment plants.

RELEVANT EXPERIENCE

World Trade Center Transportation Hub, New York, NY. *Commissioning Engineer.* The World Trade Center Transportation Hub is a project of unprecedented size and complexity. This includes construction of the third-largest transportation hub in New York City, which alone has an overall program value of $3.6 billion. We are providing sustainability and system commissioning services. This program encompasses nearly 1 million square feet of passenger terminal, infrastructure, retail and command and control facilities. The project is designed to connect multiple rail lines, the 9/11 Memorial and Museum and the four large office towers on the site.

Vancouver 2010 Winter Olympics, Vancouver, BC. *Commissioning Engineer.* Pamela coordinated contractors and field personal, to ensure the work was within the Threat Assessment Report criteria and the Heritage Buildings Guide Lines. The Federal Government buildings were retrofitted with concealed cameras, access system so that the buildings were fail safe.

British Columbia Institute of Technology, Greater Vancouver, BC. *Senior Design Engineer.* Pamela's responsibilities included, design meetings with client, site investigations, reports, tender documents, construction cost estimates for the Security System, Gateway Building, including: access control, card access, panic buttons and cameras.

Point Lepreau Generating Station, Lepreau NB. *Lead Electrical Design Engineer.* Pamela's responsibilities included, design meetings with client, site investigations, reports, tender documents, construction cost estimates and construction supervision, for security and fire alarm systems, for a 680 MWatt CANDU reactor renovation job, the facility was a fail secure building.

Rothesay Police Station, Rothesay NB. *Lead Electrical Design Engineer.* Pamela's responsibilities included, design meetings with client, site investigations, reports, tender documents, construction cost estimates and construction supervision for a full service newly construction police station, with holding cells and vehicular secure area.

National Research Center – Information Technology Center, Fredericton NB. *Lead Electrical Design Engineer.* Pam's responsibilities included, design meetings with client, site investigations, reports, tender documents, construction cost estimates and construction supervision for an Information Technology Center.

Remon Yussif, PE
Commissioning
Jacobs

Education:
BS, Mechanical Engineering

Registrations:
Professional Engineer: NY, NJ and PA

Years of Experience:
14 Years

Remon Yussif, PE has extensive experience in project management, commissioning, designing and special inspection of Heating Ventilation and Air-Conditioning (HVAC), Fire Protection (FP) and Plumbing (P) systems for critical facilities, commercial and residential buildings. He is responsible for reviewing design criteria, specifications, drawings, equipment submittals, and other documentation pertinent to commissioning. He develops equipment pre-startup and startup procedures, equipment checklists, and other tools to track commissioning projects. Remon conducts and documents functional performance and integrated system tests. He issues commissioning logs, corrective issue reports, and helps identify solutions for technical errors that occur..

Previous work experience includes commissioning HVAC, fire alarm and Fire Protection for high rise office buildings, commercial, institutional buildings, and data centers. Remon performed due diligence study and site assessment for various commercial building. He also performed energy efficiency and design consulting which included calculating energy savings for several buildings.

RELEVANT EXPERIENCE

Port Authority of New York and New Jersey, WTC Transportation Hub, New York, NY. *Commissioning Manager.* Transportation center that will service over 200,000 daily commuters. Eleven MTA subway lines and the PATH trains will be accessible when it is completed in 2015. Size: 800,000 SF; Remon's responsibilities: Commissioning of Life Safety and Egress Systems including fire alarm, fire protection including AFFF fire suppression, Building Automation and Temperature Control System, Stair Pressurization Systems, Exhaust Air System, Smoke Purge Systems, 750 GPM automatic standpipe fire pump with associated 45,000 gallon fire water tanks, N+1 standby distribution system comprised of 2,000 KW diesel engine-generators, and 200,000 CFM vaneaxial reversible flow tunnel ventilation fans. Making improvements to and offering advice about operational procedures. Scheduling and coordinating work to tight deadlines. Investigating problems, diagnosing/ repairing faults; troubleshooting. Supervising engineering and technical staff.

Port Authority of New York and New Jersey, Vehicular Security Center and Tour Bus Parking Facility, New York, NY. *Commissioning Manager.* The VSC will screen all incoming vehicles enter the WTC site and underground parking facilities. Responsibilities: Writing reports and documentation, develop commissioning functional performance test scripts, providing technical support, creating and carrying out test procedures

Nomura, Critical Data Center, Piscataway, NJ. *Mechanical Engineer.* Critical data center and commercial space. Size: 100,000 SF; Responsibilities: Lead mechanical commissioning Engineer. Commissioned mechanical systems for a commercial and a data center. Developed pre startup procedures, conducted testing, and submitted final commissioning reports and corrective issue reports. Provided technical support. Supervised engineering and technical staff.

Harry Tom, PE, QCxP
Commissioning
Jacobs

Education:
BE, Electrical Engineering

Registrations:
Professional Engineer: NY
Qualified Commissioning Provider (QCxP)

Years of Experience:
41 Years

Harry Tom, PE, QCxP has a long-term career as engineer, manager and executive for the nation's largest transit agency, Harry has worked on multiple, major high-visibility transportation projects. He has served multiple positions in commissioning, construction and project manager and in design over the entire range of technical specialties required to run a transportation operation. He embraces the challenge of ensuring that systems work the way they need to. In his prior assignment, he was the Chief Commissioning Officer (Facilities) for MTA New York City Transit, where he functioned as the Commissioning Authority for the agency's Capital building construction program. As the first person to occupy this newly created position, in 2005, he organized the facility commissioning program, including staffing, development of requirements and specifications and implementation of test and acceptance procedures.

RELEVANT EXPERIENCE

World Trade Center Transportation Hub, New York, NY. *Commissioning Manager.* The World Trade Center Transportation Hub includes construction of the third-largest transportation hub in New York City, which alone has an overall program value of $3.6 billion. Jacobs is providing sustainability and system commissioning services. Size: 800,000 SF; Cost: $3.6 billion; Responsibilities: As a commissioning manager and the Commissioning Authority, Harry is a lead on the commissioning, during the construction phase, of multiple systems being constructed for this combination transportation hub, retail center and commercial building program. The systems include medium and low voltage electrical distribution, fire protection, communications, security, vertical transportation and HVAC.

Sandy Recovery for New York City Housing Authority, New York, NY. *Field Project Manager.* Jacobs was assigned the task of coordinating outside recovery efforts immediately following Superstorm Sandy. As field project manager Harry was responsible for coordinating and monitoring efforts for damage assessments, scope development for follow-on contracts and to inform various stakeholders of the status of systems. Met with NYCHA, Henry Street, electrical contractor and other consultant personnel to gather information in rather uncertain circumstances. Tracked and coordinated activities by contractors performing activities immediate recovery work to restore services at Lavanburg and Wald Houses. Monitored and track activities by the industrial hygienists (Emteque) and cleaning/ decontamination contractor (Belfor).

***63rd Street Line (1982-1989) and Tunnel Connection (1995-1998), Long Island City, NY.** *Project/Construction Manager.* Work encompassed two major, but distinctly different programs included the construction and systems installation for new subway tunnels, the first a program to expand the system and the second, a tunnel construction program to link two existing subway lines. They both required major excavation and structural work, utility relocations and included various systems such as train control (block signals), lighting, and power, mechanical including tunnel ventilation, plumbing and communications. Size: four route miles; Cost: $900B (1980 costs for the first program); $450M (for second program); Responsibilities: Owner's project and construction manager for these in-house managed programs.

Dana Jensen
Estimator
Jacobs

Education:
BS, Business Administration, University of Northern Colorado, Greeley, 1980

Registrations:
N/A

Years of Experience:
33 Years

Dana Jensen is a Mechanical Estimator with 33 years of professional experience, with particular emphasis on estimating, value engineering, change order negotiation, and claims. He has worked with healthcare, institutional, pharmaceutical, microelectronics, manufacturing, and process facilities. Dana has also managed estimators, subcontractors, and technicians; and trained project managers, purchasing agents, estimators, and sheet metal technicians.

RELEVANT EXPERIENCE

General Services Administration (GSA), Environmental Protection Administration/Region 8 Headquarters Building, Denver, CO. *Estimator.* This $75 million project involves design and construction review services for this 418,300-square-foot office building in lower-downtown Denver to house all EPA personnel. The project included high-end construction finishes, signature architecture, Lower Downtown historic district issues. The project also involved LEED Silver objectives.

General Services Administration (GSA), U.S. Federal Building and Courthouse, General Services Administration/Region 4, Jackson, MS. *Estimator.* This 425,000-square-foot facility houses the Fifth Circuit Court of Appeals, U. S. District Court, U.S. Magistrate Court, U.S. Bankruptcy Court, U.S. District Court Clerk, U.S. Probation, U. S. Marshal Service, U. S. Attorney, GSA, and Senate office space.

James A. Walsh U. S. Courthouse, General Services Administration/Region 9, Tucson, AZ. *Estimator.* This project involved $3.5 million in tenant improvements and life safety modifications to a 72,000-square-foot historic federal courthouse -- primary tenant is U. S. Bankruptcy Courts.

U. S. Federal Building and Courthouse, General Services Administration/ Region 9, Los Angeles, CA. *Estimator.* This $300-million project involved 1-million-square-foot, 17-story courthouse in downtown Los Angeles. The facility houses 26 District and 15 Magistrate courtrooms; and includes 150 enclosed parking spaces delivered through design-build-bridging method.

General Services Administration(GSA), U.S. Federal Courthouse, Region 6, Cape Girardeau, MO. *Estimator.* This $44-million project includes a five-level, 155,000-square-foot federal courthouse on a 2.5-acre site. The facility houses four courtrooms, five judges chambers, the court library, USDC/USBC clerks, Alternative Dispute Resolution. Suite, Jury Assembly, U.S. Trustee, Grand Jury, U.S. Attorney, U.S. Marshals, U.S. Probation Offices, Court Security, pretrial services, public defender, judiciary-related, joint-use, administrative law, and ancillary support services.

General Services Administration (GSA), Region 7, U. S. Federal Building and Courthouse, Brownsville, TX. *Estimator.* This $26 million, new 200,000-square-foot U.S. Federal Building houses the Southern District of the Federal 5th Circuit Court, four District and two Magistrate courtrooms; office space for the District Clerk, U.S. Probation, U.S. Marshal, U.S. Attorney, and other court-related agencies; law library; holding cells; and sallyport. Dana provided pre-construction estimating services.

Frank Jenkins
Estimator
Jacobs

Education:
Certificate, Engineering, Maryland Drafting Institute, 1977

Registrations:
N/A

Years of Experience:
28 Years

Frank Jenkins has more than 28 years of experience working for both electrical contractors and construction management firms. He has extensive estimating experience, providing quantity, pricing, and labor take-offs; bid package estimating; and change order estimating for a wide range of facilities. He brings to this project an in-depth knowledge of the area contracting, subcontracting, and labor markets. He is particularly skilled in accurately forecasting and controlling costs on technically intensive projects.

RELEVANT EXPERIENCE

Polytechnic University, Campus Expansion and Renovations, Brooklyn, NY. *Estimator.* A new Dormitory, Student Center, Gymnasium, Central Plant, and Academic Hall renovations totaling 492,393 square feet. A multiple phased construction program on an existing urban campus site.

Manhattan Psychiatric Center, New York, NY. *Estimator.* A $150 million high rise psychiatric center renovation.

PSE&G Warehouse, Artificial Island, NJ. *Estimator.* A $25 million warehouse for materials and office space.

Dept of Transportation HQ, Washington, DC. *Estimator.* Jacobs provided Agency Construction Quality Management Services for the new 1.35 million SF US Department of Transportation (DOT) Headquarters project, which bears the distinction of being the first cabinet level headquarters facility transition in the US Capitol in over three decades, in addition to the largest Developer (Lease-Construct) project to date for the GSA-NCR.

NIH Building 50, Bethesda, MD. *Estimator.* Building 50 is a $96-million 295,000-SF biomedical research laboratory and offices facility. It includes a 30,000 sf vivarium, BSL-3 laboratories, an electron microscope suite housing the world's foremost collection of medical research electron microscopes, and a nuclear magnetic resonance (NMR) suite housing some of the world's largest NMR machines. It houses researchers from 11 different institutes. Building 50 includes a large public lobby, a veranda with public seating, and conference facilities.

NIH Building 49, Bethesda, MD. *Estimator* Building 49 is a $93.8-million, 265,000 SF laboratory and office building that includes BSL-3 laboratories, an 80,000 SF vivarium, conference space, and a public lobby. The project was designed and constructed on a fast-track, multi-bid package basis to meet funding and schedule requirements.

New Castle County Courthouse, Wilmington, DE. *Estimator* Jacobs, in joint venture with EdiS Company, provided Construction Management services to the State of Delaware for this $134-million, 572,000-SF, 14-story steel framed building consisting of 44 courtrooms. The facility is designed to serve the State of Delaware's needs through year 2020, with capability to expand thereafter. The facility accommodates the State Supreme Court, Chancery, Superior, Common Pleas, Family, and Justice of the Peace Courts, and provides space for the Capitol Police and several other state departments, and provides above-ground parking.

Zack Pennington
Estimator
Jacobs

Education:
BS, Electrical Electronics Technology (Power Distribution), University of Houston, Texas, 1978

Registrations:
N/A

Years of Experience:
28 Years

Zack Pennington has 28 years of estimating experience on major domestic and international construction projects. He is experienced in the estimating of health care, correctional, Educational, high tech, commercial, and infrastructure facilities projects. Zack has performed cost estimating functions in the areas of quantity surveys, material pricing, installation pricing, computer-based estimate production, computer-based cost file maintenance, value engineering, procurement variables determination, and change order evaluation and estimating. He has played an important role in the development of computer-based estimating systems, and has maintained unit price databases for U.S. and foreign operations.

RELEVANT EXPERIENCE

Juvenile Detention Center for the New York City Department of General Services, Brooklyn and the Bronx, NY. *Electrical Estimating.* Jacobs provided construction phase management of a new $58.8 million, 120-bed medium security facility. Supervised field and office support staff (administration, scheduling, inspection and reporting), and served as liaison to design consultants, contractors, user and client.

Hudson Valley Transportation Management Center, Hawthorne, NY. *Electrical Estimating.* Jacobs provided Construction Management services to the Office of General Services for the $45 million Hudson Valley Transportation Center (TMC). The facility consists of two buildings connected by an atrium. This high-tech traffic management center included state police barracks and a 911 center.

George R. Vierno Center Rikers Island, NY. *Electrical Estimating.* Jacobs provided Construction Management and Design-Build services on this $80.5-million, 500-bed addition, fast-track prison. Zack was responsible for reviewing and coordinating work of bid packages with A/E; assisting in preparing bid packages and resolution of design and contract conflicts; review RFIs with A/E and resolving; reviewing shop drawings and submittals and assuring prompt turnaround.

Federal Bureau of Prisons, Metropolitan Detention Center, Brooklyn, NY. *Electrical Estimating.* This $85-million project involved a 1,000-bed maximum-security detention facility located on-site of old Brooklyn Navy warehouse. The project included the demolition of an existing facility renovation of an existing facility to create an interim facility and hazardous waste removal.

Consolidated Forensic Laboratory (CFL), Washington, DC. *Electrical Estimator.* This facility will be a 351,000 gross square-foot building where the District of Columbia will consolidate the functions of public safety and health into a single state-of-the-art facility. The CFL is expected to realize significant District operational and space efficiencies, while enhancing the ability of the District to respond to future public safety and health challenges.

Jacobs performs design and constructability reviews, estimating and cost control, administering the construction phase, maintaining project records, performing construction quality control inspections and will act as the commissioning agent for the project.

Steven Eichinger
Value Engineer
Jacobs

Education:
B.S. Civil Engineering Technology
AAS Architectural Technology

Registrations:
N/A

Years of Experience:
28 Years

Steven Eichinger has more than 28 years of management, engineering, contracting and construction management experience. He has extensive electrical engineering and contracting experience in the design and construction of electrical power distribution systems, emergency/stand-by power systems, uninterrupted power systems, grounding, lightning protection, fire alarm and detection systems, security systems, control systems, fiber optic cabling systems and data centers, SCADA and multi-media network cabling systems, lighting systems, and energy/building management systems. He has a diverse background and proven experience in the maintenance, operation and installation of mechanical and electrical systems and equipment.

In addition to his engineering and contracting experience he has provided construction management services on a wide variety of projects. He has developed and presented numerous training seminars on electrical safety, mechanical and electrical equipment maintenance, and operation of building mechanical, electrical and life safety systems. He has performed forensic analysis for electrical accidents.

RELEVANT EXPERIENCE

VE – New Battery Park City Ferry Terminal, Port Authority of NY/NJ. *Electrical Engineer* team member on a value engineering study for design of a new Manhattan ferry terminal on the Hudson River. The terminal design incorporates a floating barge capable of accommodating both front-loading and side-loading ferries. The terminal capacity is approximately 800 passengers, and includes ticketing, restroom facilities, and a concession and waiting area. The terminal is designed to meet ADA standards for handicap accessibility.

VE – New York City Transit, NY. *Electrical Engineer* team member on several VE studies for station upgrades, a new bus garage and maintenance facilities.

VE – Renovation of the Emanuel Celler Federal Courthouse -US GSA, Brooklyn, NY. *Electrical Team Member* on two VE studies (concept design and design development) for the design of major renovations to the Emanuel Celler Federal Courthouse. Constructed in 1961, the EC is adjacent to the new Federal Courthouse currently under construction. The current project addresses structural reinforcement for seismic and blast resistance, enlarging spaces to address updated court requirements, hazardous material abatement, and compliance with ADA criteria. It also includes major upgrades to building MEP systems and equipment (elevators, etc.).

VE – Renovation of the historic Thurgood Marshall Federal Courthouse – US GSA, NY, NY. *Electrical Team Member* on two VE studies (concept design and design development) for the design of major renovations to the Thurgood Marshall Federal Courthouse. The current project addresses major upgrades to building MEP systems and equipment (elevators, etc.), space plan reallocation, and façade repairs to mitigate water infiltration problems.

Mehul Gandhi, PE, PMP, PSP
Scheduler/Project Controls
Jacobs

Education:
MS, Civil Engineering, Construction Engineering and Management

BE, Construction Engineering

Registrations:
Professional Engineer: VA

Years of Experience:
10 Years

Mehul Gandhi, PE, PMP, PSP is a scheduler and project controls specialist who has more than 10 years of experience. He will be responsible for confirming progress is consistent with the master schedule, reviewing and analyzing look-ahead reports, preparing written reports to present findings and recommendations, and developing potential mitigation plans to save time and costs.

RELEVANT EXPERIENCE

NYCDDC, Sandy Beaches Reconstruction and Restoration, New York, NY. *Project Controls Lead.* Reconstruction and restoration of NYC owned beach fronts in Queens, Brooklyn, and Staten Island damaged by Hurricane Sandy. Project included restoration, renovation and/or replacement of existing building structures, comfort and lifeguard stations, boardwalk, and beach access points. The $174M project was completed in 84 days and required the management of over 50 Jacobs's team members, 4 general contractors with 400+ daily workers working 24/7. The project utilized LEAN construction concepts to optimize the very limited schedule. Mehul was responsible for the project management control system and provided scheduling support.

Columbia University, Manhattanville Development Group, New York, NY. *Project Manager / Scheduler.* This 17-acre site will develop into 6.8M SF of space for teaching, research, underground parking, and support services. The program is multi- phased, with Phase 1 under construction and Phase 2 in the design phase. Jacobs is providing technical services focused on schedule management, BIM integration and risk assessment. Mehul reviewed and analyzed the CMs master construction schedule as well as individual contractor schedules for constructability, CPM logic, and errors. He also developed the master program schedule to track all pre-design, design, pre-construction, permitting, and closeout activities, as well as integrates the CM construction schedule.

General Services Administration, Armed Forces Retirement Home, Gulfport, MS. *Project Controls Specialist.* Jacobs serves as CM for the design and construction of this$220M, 660,000 SF replacement facility for the home that was damaged by Hurricane Katrina. We developed the Program of Requirements and the D-B RFP, assisted in Procurement, and currently providing design and construction phase services. Mehul performed the mobilization, implementation of technology, and the project management control system and provided scheduling support to the project on an ongoing basis.

Sirini Srinivas, PMP
Scheduler
Jacobs

Education:
MS, Engineering Management
BS, Mechanical Engineering

Registrations:
Project Management Professional, Project Management Institute

Years of Experience:
19 Years

Srini Srinivas will conduct risk analysis and mitigation. He will provide scheduling support throughout all phases of the project and develop and maintain schedules and provide regular reporting, including critical path scheduling. He will also assist with estimating and negotiating change orders with associated cost, duration, logic for stakeholder approval.

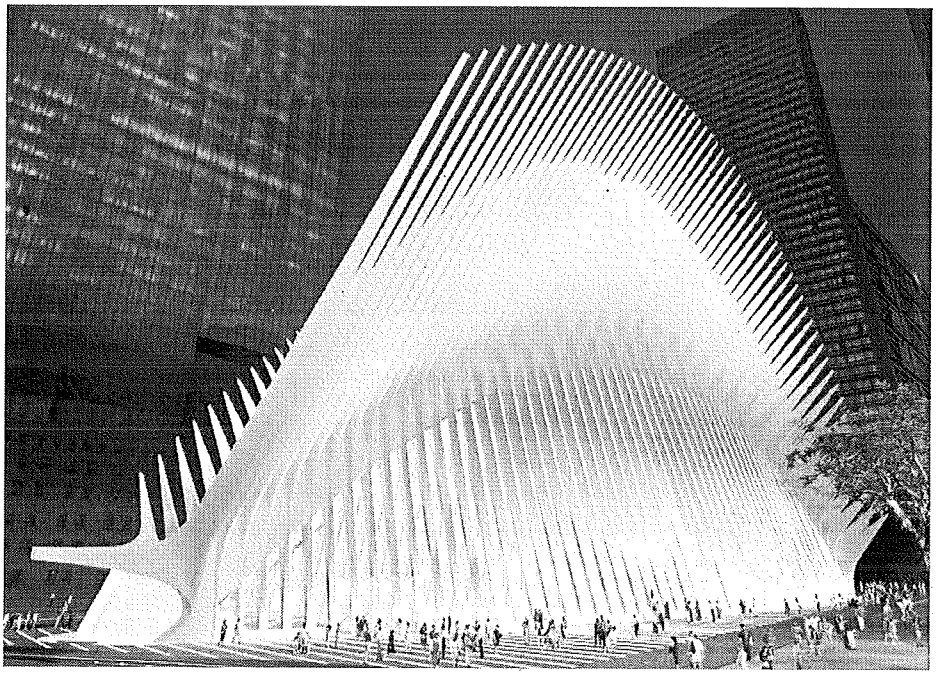
RELEVANT EXPERIENCE

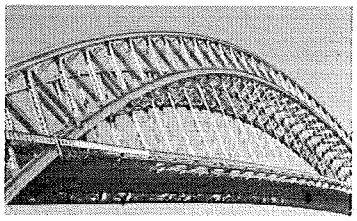
NYCHA, Capital Development Pilot Program, New York, NY. *Scheduler*
Jacobs assisted NYCHA in developing a new Capital Project Planning Procedures Manual to manage roughly $200M in annual construction, including incorporating use of web based collaborative Project Management software for contractors and consultants. Part of this program included assisting in the management of 12 projects at various NYCHA developments in the five boroughs. The projects were selected to help test new procedures on projects in all stages of the project life-cycle: planning, procurement, construction and project close-out. The construction value of the 12 projects totals $120M. Srini had the responsibility of managing portfolio schedule with an outlook of on-time and within budget program delivery. Srini was responsible for continuously tracking multiple projects for implementation of tested processes and procedures to facilitate timely decision making and ensure success of the program. He worked to proactively manage budget to maximize NYCHA's fund utilization.

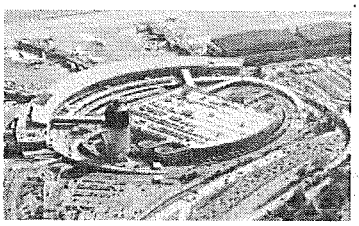
Nassau County Department of Public Works (NC DPW), Shared Facilities Efficiency Program, Nassau County, NY. *Scheduler.*
Jacobs is providing PM/CM services and extension of staff to the $326M program that aims at reducing the county's ongoing cost of facilities to improve both employee productivity and service to county residents. As the Scheduler, Srini is working on schedule development for Nassau County Fire arms training facility center project. This multi prime contract calls for cost loading to control contractor payments.

MTA, Multiple Projects, New York, NY. *Scheduler.*
Srini worked on multibillion dollar MTA programs, design projects, and various other projects including bid and procurement. Work involved managing a team of personnel reviewing technical submittals, invoices, contractor schedule, change orders, internal cost estimates, negotiations, and time analysis with meetings, presentations, and job site walkthroughs. He was involved in resolving claims ascertaining equitable adjustments between the parties concerned. Other responsibilities included managing and continuous tracking of costs, RFPs, RFIs, CWPs, daily, weekly and monthly reports, calculating contractor production levels to be utilized in comparison with contractor plans, weekly and monthly cost curve, and forecast of future cost and schedule trends.

Hourly Rates







JACOBS

JACOBS DIRECT HOURLY RATE

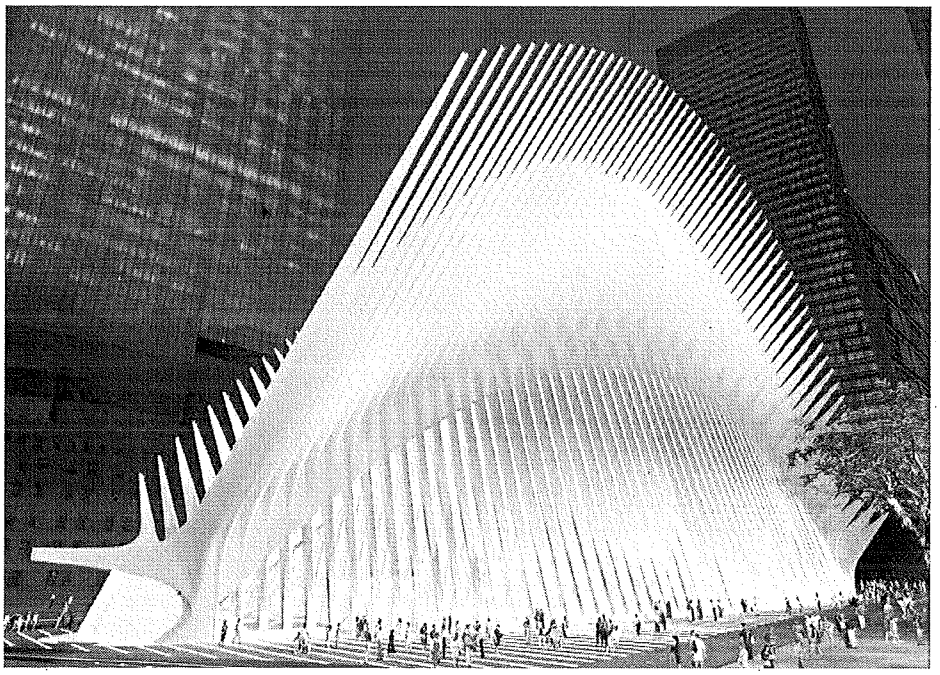
Name	Classification	Firm	Certification	Direct Hourly Rate
Rich LaRuffa, PE, CVS	Value Engineer	Jacobs	PE, CVS	123.99
Robert Bauco, PE	Project Manager	Jacobs	PE, CCM	92.79
David Leymeister, PE	Project Manager	Jacobs	PE	130.40
Craig Lewis, PE	Principal Structural Engineer	Jacobs	PE	64.88
William Moser, PE	Sr. Resident Engineer	Jacobs	PE	78.46
Reza Noorishad, PE	Resident Engineer	Jacobs	PE	67.42
Mark Platz, PE	Construction Manager	Jacobs	PE	122.93
Dipak Shah, PE	Resident Engineer	Jacobs	PE	102.91
Nejat Hedyat, PE	Resident Engineer	Jacobs	PE	107.76
Rick Wenger, PE	Project Manager	Jacobs	PE	83.56
Anthony Markopoulos	Field Engineer	Jacobs	PE	48.50
Michael Moskowitz, PE	Structural Engineer	Jacobs	PE	102.21
John Howell	IT Design Review	Jacobs	RA,RCDD, BICSI	83.87
Michael Stevens	Structural Engineer	Jacobs	ACI, ICC	43.01
Robert Morris	Senior Inspector	Jacobs	NICET IV, ACI,TCCP, NJSAT	56.82
Dean Lerescu	Senior Inspector	Jacobs	ACI	59.06
Aspares Biswas	Inspector	Jacobs	ACI	58.25
Paul DeCasas	Inspector	Jacobs	NICET IV, ACI, ICC	75.75
Leonardo Nunez	Inspector	Techno	ACI	45.00
Iqbal Feroz	Inspector	Techno	ACI	48.50
Wahaj Warsi	Inspector	Techno	ACI	45.00
Kurshid Anwar	Inspector	Techno	ACI	45.00
Francisco Capito	Inspector	Techno	ACI	48.00
Jonathan Pfingst	Special Inspector	Jacobs	ICC & ACI	28.75
Steve Goss	Special Inspector	Jacobs	ICC, ACI	74.85
Michael Caraway	Special Inspector	Jacobs	ICC	56.00
Sung Hun Cho		WPA	NACE Level 1	47.25
Bill Gove	Project Executive	Jacobs		137.10
Seppo Simmes	Architect Design Review	Jacobs		83.58
Brad Hollingsworth, PE	Bridge Mechanical Engineer	Jacobs		156.00
Pamela Godsoe	Commissioning	Jacobs		40.87
Remon Yussif	Commissioning	Jacobs		73.50
Harry Tom	Commissioning	Jacobs		82.83
Rick Fennema	Senior Project Manager	Jacobs	CCM	165.50
Andrew Kerr	Senior Project Manager	Jacobs		119.38
Gus Xenakis	Senior Project Manager	Jacobs	CCM	131.87
Curtis Casey	Project Manager	Jacobs		86.86
John DeMase	Project Manager	Jacobs		88.67
Joseph Greene	Project Manager	Jacobs		95.67
Clinton Jackson	Project Manager	Jacobs		88.61
David LaTour	Project Manager	Jacobs		81.55

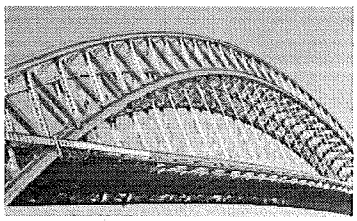
Name	Classification	Firm	Certification	Direct Hourly Rate
Christine Oates	Project Manager	Jacobs	CCM/LEED AP	89.15
Marc Riendeau	Project Manager	Jacobs		86.46
William Smith, PE	Project Manager	Jacobs	PE	96.39
Gayle Benjamin	Construction Manager	Jacobs		74.33
James Buckley	Construction Manager	Jacobs		68.07
Anthony Delgado	Construction Manager	Jacobs		66.18
Eric Monsonis	Construction Manager	Jacobs		61.09
Jeffrey Ronk	Construction Manager	Jacobs		69.41
Dave Rivera	Construction Manager	Jacobs		73.78
J. Leo McGlynn, PE	Railroad Engineer	Jacobs	PE	97.50
Scott Paul Longazel	Contract Administrator	Jacobs		65.77
Lauren Roller Schnitzer	Contract Administrator	Jacobs		75.46
Niurka Ozuna	Contract Administrator	Jacobs		53.89
Sheryl Seid Ng	Contract Administrator	Jacobs		57.32
Robert Raspanti	Electrical Inspector	Jacobs		70.23
Dana Jensen	Estimator	Jacobs		76.13
Frank Jenkins	Estimator	Jacobs		73.08
Zack Pennington	Estimator	Jacobs		70.22
David Fox	Field Engineer	Jacobs		70.01
Matthew Gallegos	Field Engineer	Jacobs		43.61
Mehul Gandhi	Scheduler/Project Controls	Jacobs		68.28
Srini Srinivas	Scheduler	Jacobs		84.61
Vanessa Jimenez	Field Engineer	Jacobs		42.78
Artem Kaykin	Field Engineer	Jacobs		46.44
Faheem Khan	Field Engineer	Jacobs		60.67
Timothy Yan	Field Engineer	Jacobs		35.47
Dennis Marchetti, PE	Lead Electrical Engineer	Jacobs	PE	171.60
Jeff Rudenjak	Resident Engineer	Jacobs	NICET IV, ACI, NJSAT	62.58
Craig Timko	Resident Engineer	Jacobs	NICET IV, ACI	72.76
Richard Treloar	Resident Engineer	Jacobs	ACI	64.75
Luigi Cheichi	Safety Engineer	Jacobs		79.83
Joan Roof	Safety Engineer	Jacobs		70.11
Victor Kee	Senior Inspector	Jacobs		66.44
Dan Wardrope	Senior Inspector	Jacobs		71.12
Jacob Dallas	Special Inspector	Jacobs	ACI, TCCP, NJSAT	36.81
Ray Klein, PE	Mechanical Inspector	Jacobs	PE	76.25
Hatoum Hatoum	Senior Inspector	Jacobs		68.46
Hector Chiong	Senior Inspector	Jacobs	NICET IV, ACI	56.82
Vincent Palacio	Senior Inspector	Jacobs	NICET IV, ACI	59.12
Gerald Petroski	Senior Inspector	Jacobs	ACI	61.84
Arthur Salisbury	Senior Inspector	Jacobs	NICET IV, ACI, NJSAT	58.00
W. Ross Wear	Senior Inspector	Jacobs	ICC	57.15

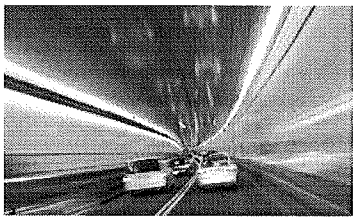
Multipliers	At Site	Home Office	N/A
Jacobs	1.93	2.00	
Techno	2.3	2.3	
Savin	2.18	2.7	
JBC	1.917	2.656	
WPA	2.02	2.11	

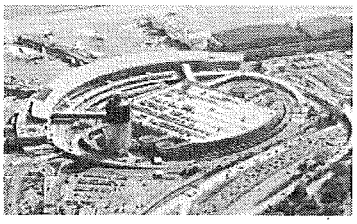
Direct Hourly Rates are as of January 2015

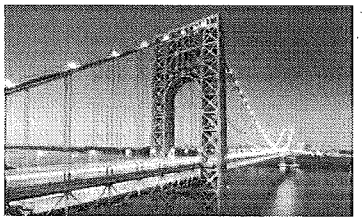
Company Compensation Plan











JACOBS

COMPANY COMPENSATION PLAN

The Company policy on pay practices and overtime pay eligibility compliance is established to appropriately pay employees in accordance with their classification as defined by the Fair Labor Standards Act, 29 C.F.R. § 541.602 (FLSA).

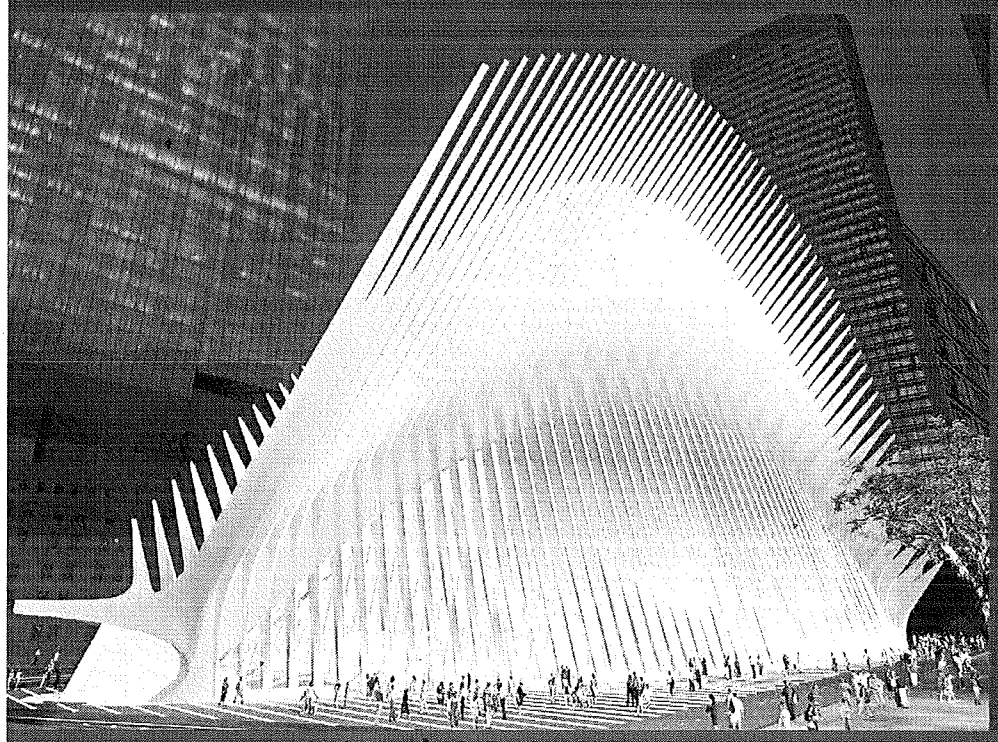
Pursuant to FLSA regulations, all Company employees are classified as either exempt from overtime pay (exempt employee) or not exempt from overtime pay (non-exempt employee). In certain circumstances, exempt employees may receive additional compensation for work in excess of their regular schedules.

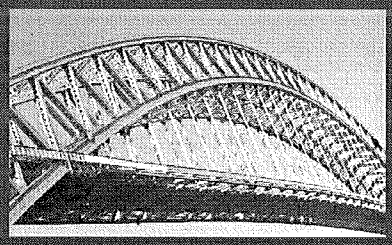
If eligible non-exempt employees work on a recognized holiday, they will receive holiday pay plus wages at their straight-time rate for the hours worked on the holiday.

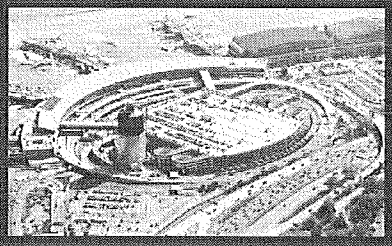
Paid time off for holidays will not be counted as hours worked for the purpose of determining overtime.

Section F

Experience







JACOBS®

F. Experience

RELEVANT TERM CONTRACT EXPERIENCE

Jacobs is a relationship based company with over 93% of our business coming from repeat clients. Our relationship with the Port Authority of NY & NJ is one such example of our core business value at work. We value our clients and our mission is to learn their processes, understand their mission and help them deliver quality projects on time and within budget to their clients (the ultimate end user).

Over the years, Jacobs has completed multiple projects for the PANYNJ and we were able to **develop an understanding of PANYNJ requirements and standards and your way of doing business.** We believe that this is the cornerstone in providing successful Term Contract delivery for the PANYNJ. Our client satisfaction surveys for PANYNJ projects averages at 90%, which demonstrates the satisfaction of PANYNJ with our personnel and their ability to delivery CM services. Another key factor to successful term contract delivery is the ability to manage and staff Term Contracts. Jacobs, as a company, is specifically structured to provide full-service support to term contracts. In New York and New Jersey, we have offices in several locations that will facilitate staffing term assignments. While we recognize that most assignments will require onsite staff, Jacobs does maintain operating offices in New York City and Morristown, New Jersey.

We have provided snapshot descriptions of several "Call-In" contracts over the past three years and profiles for two projects of some of our New York/New Jersey Term Contracts where Jacobs provided similar services to those required in this solicitation.

Port Authority of New York and New Jersey

Client Agency
Port Authority of New York and New Jersey

Contact Reference
Port Authority of New York and New Jersey
Paul Salvatore
241 Erie Street, Room 238
Jersey City, NJ
(201) 216-2067
paul.salvatore@panynj.gov

Expert Professional Construction Management Services on an "As-Needed" Basis 2011-2014

Over the past three years under our current On-Call contract Jacobs provided **Construction Management and Inspection Services** to the Port Authority of New York & New Jersey at various Authority facilities as determined by the Engineer. The services included, but were not limited to, performing inspection services, constructability reviews, contract administration, and preparation of construction estimates and schedules. Jacobs provided construction management and inspection services on the PATH Restoration Program between Exchange Place and World Trade Center; PATH Train Operations Building Construction and Harrison Station Demolition of Existing Buildings to name a few.

Downtown PATH Restoration Program between Exchange Place and World Trade Center

Scope of work includes modification to PATH Tunnels "E" and "F" between World Trade Center Station and Exchange Place Station. Construction included the removal of existing construction, asbestos removal, the construction of track including track support structure, the construction of duct bank, cables including high voltage traction power, communication and signals, the construction of lighting, drainage, fire protection operation 2010 to Present.

Washington Street Substation #2 Emergency Diesel Generator Replacement

Scope of work includes installation of an emergency generator, including low voltage switchboard and controls at the Washington Street substation to replace the existing emergency generator, low voltage switchboard and controls.

Signal Relay Room Rehabilitation
Scope of work includes replacement of existing air conditioning and fire protection systems, which have reached the end of their useful life in 15 Path signal relay and power rooms at various locations in New York and New Jersey.

PATH-CCTV Installation
Scope of work includes the installation of equipment such as cameras, digital video recorders, cables, multiplexers, network servers, monitors, and video equipment, and in some cases control room. It also required software's such as monitoring system, a response or reaction system, video footage storage system, record system, and an evidence control system

Hoban To MacMillan Bloedel Fiber Cable Installation
The major work under this Work Order was to furnish and install approximately one mile of 144 fiber optic cable link between the Journal Square Hoban Control Center and the MacMillan Bloedel property.

PATH Train Operations Building Construction
Scope of work includes the construction of a 22,000 square feet building to house a primary Security and Control functions required for operations of the PATH rail system. Scope of work included related site improvements, mechanical/plumbing, electrical, architectural, HVAC systems, etc.

PATH – Journal Square Transportation Center – Heating, Ventilation and Air Conditioning System Upgrade
The contract provides for upgrade of the Heating, Ventilation and Air Conditioning (HVAC) system that serves the Journal Square Transportation Center (JSTC) office tower, as well as a portion of the Concourse Level.

PATH –Harrison Station Demolition of Existing Buildings
This contract provides for demolition of existing three single story industrial manufacturing buildings for the redevelopment of the PATH Harrison Station. All abatement and disposal of materials was performed in accordance with all applicable standard and environmental requirements.

PATH – Bus Terminal Escalator Replacement
Replacement of eight escalators at JSTC, from the Concourse Level to the Bus Terminal, with new heavy-duty escalators, including associated components and controllers.

New York State Department of Transportation

Client Agency
New York State DOT
47-40 21st Street
Long Island City, NY 11101

Client Reference
Tariq Bashir
Design Supervisor
[redacted]

Construction Cost
$410 Million (On Budget)

Project Duration
Design: 1994-2009
Construction: 2008-2014
(On Schedule)

NYS DOT Cross-Bronx Expressway, I-95 Alexander Hamilton Bridge
The NYSDOT designated Jacobs as the prime consultant for the rehabilitation of the Alexander Hamilton Bridge, encompassing 16 bridges on the CBE between Amsterdam Avenue, as well as to be the Coordinating Consultant for the entire CBE corridor rehabilitation projects. The project required extensive construction sequence development to enable the structure to be rehabilitated while maintaining traffic lane capacity. It also required extensive coordination with community boards, NYC Department of Transportation, MTA Metro-North Railroad, NYC Parks Department, Office of Construction Mitigation and Coordination, and Port Authority of NY & NJ.

Jacobs provided in-depth, detailed inspection, load rating, alternatives development, and final design and preparation of construction documentation for the rehabilitation of the main 505 ft span arch bridge over the Harlem River, the replacement of the complete concrete deck of the 1,530 ft long main bridge, the replacement of the tightly curved Ramp TE over the west approaches of the main bridge, and the rehabilitation of the connecting ramps

between the Cross Bronx Expressway (I-95) and the Major Deegan Expressway (I-87).

Under the Construction Support phase Jacobs is providing services to the client for structural steel and reinforced concrete shop drawing review, structural bearing shop drawing review, and is reviewing Contractor submittals for temporary works such as structural jacking, temporary supports, and off-line detour structures. Contractor material submittals are also being reviewed for approval. Further, Jacobs is providing engineering services for investigating site conditions that lead to field changes, and modifying the design to reflect such changes.

Metropolitan Transportation Authority

MTA Capital Construction East Side Access Project, New York, NY

Client Agency
Metropolitan Transportation Authority

Client Reference
Bill Goodrich,
Senior Project Executive
[redacted]

Construction Cost
$7.2 Billion (On Budget)

Project Duration
2009 – 2014 (On Schedule)

The Long Island Railroad (LIRR), the world's busiest commuter railroad, has only one stop on the West Side of Manhattan – Penn Station – that is operating at capacity. In addition, nearly one half of the commuters who ride into Penn Station are actually destined for offices on the East Side. The purpose of the project is to provide direct LIRR rail access to Grand Central Terminal and relieve some of the congestion at Penn Station; it will also provide a shorter travel time for Long Island commuters headed for Manhattan's East Side.

Jacobs, as the lead of a Joint Venture, was retained by the Metropolitan Transportation Authority Capital Construction Company to provide construction management and inspection services for more than 20 construction contracts and railroad force account agreements. Services include providing staff to monitor and perform quality inspections for various building, railroad and tunneling contracts. Additionally, the scope of services include: performing constructability reviews, safety audits, processing all construction documentation and contract close out.

Elements of the $7.2 billion project include: a 1.6 km of hard-rock, dual-bored Tunnel Boring Machine (TBM) tunnels under Manhattan's Park Avenue; four soft-ground TBM tunnels in the Queens Sunnyside Yards; a new concourse to be carved with "drill and blast" methods under Grand Central Terminal in Manhattan; A new station at Sunnyside Yards in Queens and considerable surface work amid active rail activity

CONRAIL

CONRAIL On-Call Engineering Design and Construction Management Service Contract 2005, New Jersey

Client Agency
CONRAIL

Client Reference
William Kaeser, P.E.
Phone [redacted]

Construction Cost
$40 Million (On Budget)

Project Duration
2005-Ongoing (On Schedule)

As an extension of Conrail's staff, we have been responsible for the design, bid assistance and construction management for on-call assignments. Jacobs has completed under this agreement several fast-track designs for bid that include existing ground survey, identification of existing utilities, coordination for the relocation of utilities within the existing ROW, assessment of track structure, design of track alignments for sidings and yard tracks, staging and sequencing of proposed work, design to cost and bid assistance. The proposed track alignments are optimized to minimize impacts to existing utilities. Several of these Task Orders are:

Port Reading WYE Track– Adding a new Wye track that required reconfiguration of existing yard ladders (adding and removing existing turnouts), coordination with existing utility lines, ROW and constructing staging to minimize yard traffic.

Port Authority of New York and New Jersey, Corbin Street Yard Construction Phase 1A– Jacobs is acting as Conrail's representative for construction oversight to the construction of yard track, drainage, and earthwork on its property.

Winslow Junction – Adding approximately 1,000 feet of track for a siding track adjacent to the through track. Realignment of existing intersecting tracks that tied into the existing track with new turnouts.

Port Reading Yard Tracks – Realignment of existing yard tracks within the yard to accommodate two additional yard tracks (2,000 feet in length), relocation of existing yard air and provide new yard air.

New Brunswick Siding Track – Realignment of the existing service track to add a runaround track (700 feet) for service to a customer within Conrail's ROW.

Oak Island Storage Tracks – Adding two 2,000 storage tracks within a fixed ROW that required coordination with utility companies to optimize the design and minimize utility relocation costs. Proposed Track alignment required clearances from fixed objects such as bridge piers, existing track turnouts and catenary poles.

Pavonia Yard - Conceptual designs were completed for conversions of a hump yard into a shifting yard and a conceptual full build out design for increased freight storage for a port.

AT&T, Sprint, Abovenet, Colonial Pipeline, PSEG Overhead Transmission, PSEG Electric Underground Division for the Identification of Existing Utilities Project – Jacobs acted as Conrail's representative for oversight, coordination of work on Conrail's property.

Little Ferry Intermodal Car Facility –Design for extending six tracks 120 feet to accommodate additional Automotive cars for unloading at the facility. Work included adding additional electrical lighting, drainage improvements and parking lot repairs. The work was staged to minimize impacts to the operations.

Chemical Coast Siding Track – Design for adding a 6,000 foot siding track while eliminating any utility relocations. Work consisted of adding gabion walls to eliminate the need for a utility pipeline company to relocate its pipeline in already confined corridor. The excess material was placed further down on the siding to allow for future extension of the siding tracks if and when required.

Meeker Ave. Bridge, Newark, NJ - Jacobs was responsible for Construction Management services for the Meeker Ave. Bridge, Newark, NJ project. Project was for emergency structural repairs and bridge change out. Work included new steel girders and new grillages; Double track — one freight (CONRAIL), one passenger (NJ TRANSIT); and two bridges at two spans each. Work had to be accomplished in two weekend shutdowns for change out.

Chemical Coast Bridge Replacement Project (Tremley Point) over Pyles Creek, Linden, NJ –Jacobs provided construction management for the replacement of a four-span, double track freight line, ballast deck railroad bridge over Pyles Creek, Linden, NJ. Work included tidal influenced scheduling, driven steel pile and cap piers and abutments, track relocation, and staging. Mr. Petroski scheduled and coordinated all work with railroad operations by initiating Bulletin Orders for track outages, cut-overs, and track protection. The project involved work under traffic on adjacent bridge. He also managed contract work and coordinated same with railroad trades including Communications and Signals; Track and Building & Bridge Departments.

New Jersey Department of Transportation

Construction Inspection for Intelligent Transportation Systems (ITS) Term Agreement, New Jersey

Client Agency
New Jersey Department of Transportation

Client Reference
Susan Catlett
[redacted]

Construction Cost
$870,000 (On Budget)

Project Duration
2008-2012 (On Schedule)

Jacobs performed construction inspection support services on an ITS Term Agreement for New Jersey Department of Transportation (NJDOT). This agreement is a statewide assignment providing necessary field inspection and system testing of the various ITS systems for the Bureau of ITS and the three Regional Construction Offices for the Department.

The inspection services cover the installation of all the underground and aboveground facilities, which include the various types of conduit (open cut and directional boring), junction boxes, and various different foundations. We have provided inspection services for the installation of the following types of systems: CCTV cameras and controllers; Travel Time System; and VMS and DMS signs. Other inspection work includes modifications to overhead sign structure walkways and ladders, guiderail, concrete curb, installing multiple lighting wire, and traffic signal standards.

We inspected ten miles of fiber installation with splicing along Route 80; CCTV cameras on Route 280, Route 130, and Route 47 and replaced the existing DMS signs on Route 9, Route 37, Route 1, and I-95 with new boards.

Our inspection covered the work on Route 20 between the Garden State Parkway and Route 80 installing conduit, fiber, junction boxes, and various types of foundations to complete a missing connection of various ITS systems for both NJTA and NJDOT being connected directly into the statewide Traffic Operations Center. We performed compliance system testing for several projects located in the North Region of NJDOT. These compliance tests, with multiple testing levels, were performed on the other project sites utilizing NJDOT's standard testing checklist.

We administered the Meadowlands Area Traffic Surveillance System, which included the installation of CCTV cameras at various locations around the Meadowlands for the Super Bowl and future traffic monitoring. This is a dual system at 14 different sites that included a wireless and cable connection to NJDOT's control center. We provided both the Resident Engineer and field inspectors for this project.

Port Authority of New York and New Jersey

World Trade Center Engineering and Design Services for Streets, Utilities, and Related Infrastructure, New York, NY

Client Agency
Port Authority of New York and New Jersey

Client Reference
Vito Ranieri
[redacted]

Construction Cost
$180 million (On Budget)

Project Duration
Ongoing (2015)

Jacobs, part of the Downtown Streetscape Partners joint venture, is performing engineering and design services for the Port of New York and New Jersey for the new World Trade Center (WTC) in lower Manhattan. The project consists of the creation of Greenwich Street between Vesey and Liberty Streets, and Fulton Street between Route 9A (West Street) and Church Street, including the installation of street utilities (water, storm and sanitary sewers, gas, and steam mains) to service the World Trade Center Site.

At the World Trade Center Transportation HUB, we supported our WTC team providing commissioning and technical services, including Change Management and estimating for this $3.6B project. Jacobs dedicated our best

resources and leadership to support Port Authority for the Sustainability and System Commissioning of The World Trade Center (WTC) Transportation Hub. Our team worked seamlessly with all project stakeholders, to deliver a successfully commissioned Transportation Hub that is free from all deficiencies, will function as intended in the design, meet the goals of the Sustainability Design Guidelines, and achieve the intended mission critical levels of reliability, redundancy, flexibility and capacity.

In addition to the new streets and utilities, we are responsible for the creation of Liberty Park, a new park adjacent to the WTC Memorial on Liberty Street, all roadway surfaces, sidewalks, street lighting, traffic control measures, appropriate street furnishings, way finding, landscaping and perimeter security measures.
We are also responsible for the design coordination of the streets and related infrastructure designs with all participating stakeholders, including Silverstein Properties, Inc. (SPI), Metropolitan Transit Authority (MTA), Lower Manhattan Development Corporation (LMDC), New York City Department of Transportation (NYCDOT), New York City Department of Environmental Protection (NYCDEP). This effort involves responding to stakeholder requests for design treatments that enhance the design quality and aesthetics of the site.

New Jersey Turnpike Authority

Construction Inspection for Contract T100.137 – Easterly Hackensack River Bridge Reconstruction, Essex and Hudson Counties, NJ

Client Agency
New Jersey Turnpike Authority

Client Reference
Joseph Sheedy
[redacted]

Construction Cost
$148 Million (On Budget)

Project Duration
07/2011 - (Start)
06/2015 - (Estimated Completion)

Jacobs is providing supervision of construction services of bridge deck reconstruction; miscellaneous structural repairs; roadway improvements; and repainting of structural steel on the Hackensack River Lewandowski Memorial Bridge, Structure No. E109.83, on the Easterly Roadway of the New Jersey Turnpike in Essex and Hudson Counties.

The contract involves deck removal and reconstruction, removal and reconstruction of deck joints, replacement of median barrier, wingwall modifications, substructure repairs, lighting improvements, structural steel repair and replacement, bearing replacement, access walkway rehabilitation, timber fender repairs, shoulder reconstruction, resurfacing, pavement striping, emergency and routine repairs under cost plus compensation, MPT measures; and other incidental work on Structure No. EI09.83 from MP EI07.27 to MP E112.00. The work includes the necessary traffic control, railroad coordination, utility coordination, and all other work required in the successful prosecution of the work – concrete deck replacement; membrane waterproofing; asphalt resurfacing; various types of spall repairs; various types of joint reconstruction and replacement; pavement striping; sign structure, substructure, structural steel, and spall repairs; and electrical and navigational lighting repairs. In addition, the project requires Class A containment system for lead abatement of structural steel and three-coat painting system.

New York State Department of Transportation

Construction Inspection for Alexander Hamilton Bridge and Highbridge Interchange Ramps Rehabilitation I-95 Corridor Between Amsterdam Avenue in New York County and Undercliff Avenue in Bronx County, Bronx, NY

Client Agency
New York State DOT
47-40 21st Street
Long Island City, NY
11101

Client Reference
Michael McCotter-
Construction
(718) 402-9001
[redacted]Cell

Construction Cost
$3.6 million (Fee)
$410 million (Est.
Construction)

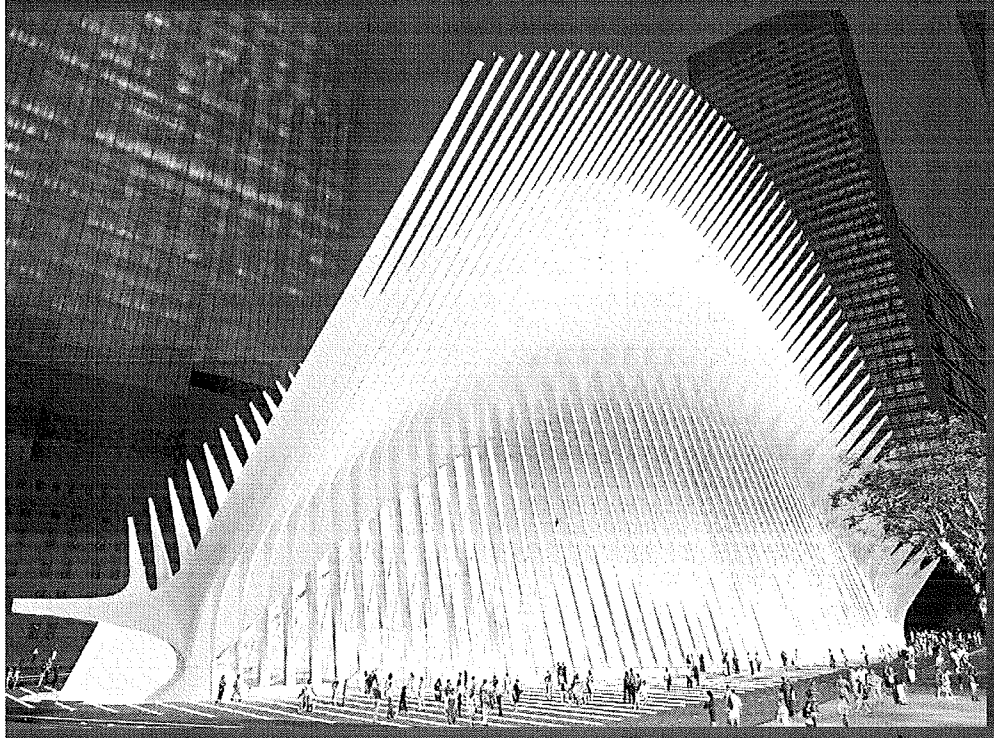
Project Duration
07/2011 - (Start)
06/2015 - (Estimated
Completion)

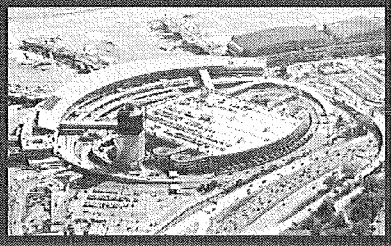
Jacobs, as a subconsultant, provided a Chief Inspector, Office Engineer, and construction inspectors on this $410-million project that involved supervision of twenty-five field inspectors. Work operations involved Class A containment, three coat epoxy system, major structural steel replacement, construction of temporary ramps, structural lifting, bridge demolition, bridge deck replacement (HPC and precast panels/gantry cranes),concrete repair, bridge painting, ITS System, roadway pavement, work zone traffic control, utility lines upgrade, drainage system upgrade, rehabilitation of two NYC parks, construction of new skate park.

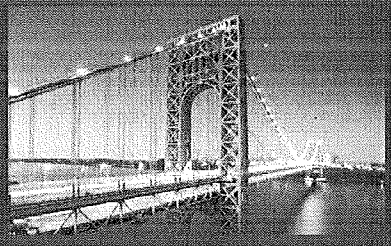
The Alexander Hamilton Bridge is the vital link in the CBE connecting Manhattan and the Bronx. The existing bridge is a 10-span structure carrying 3 lanes of CBE mainline traffic and 1 feeder-lane on each side of the roadways. There are 7 multi-steel-beam approach spans at the eastern end of the structure and 2 multi-steel-beam approach spans at the western end of the structure. Between the approach spans is a multi-steel-arch center span that spans across the Harlem River. The bridge spans across Metro-North's Hudson Line and the Major Deegan Expressway. At the on-set of this project in 2009, this is the largest single-contract construction project in the history of the NY State Dept. of Transportation.

Section G

Management Approach







JACOBS®

G. MANAGEMENT APPROACH

ORGANIZATIONAL STRUCTURE

We have structured our organizational chart to address the Port Authority's needs for a "Call In" contract. The organization chart provides an overview of our team categorized by group and by functional role. Each of these individuals is dedicated solely to the design and construction management of office facilities, bridges, tunnels, airports and terminals, both port and land based in both the public and private sector. Our Project Executive, **Bill Gove,** will report directly to the Port Authority of New York and New Jersey's (PANYNJ), and be responsible for managing and coordinating the overall effort to ensure the PANYNJ expectations are met with every task. Bill will immediately notify the PANYNJ's EOC of any issues and provide potential solutions for any issues that warrant immediate resolution.

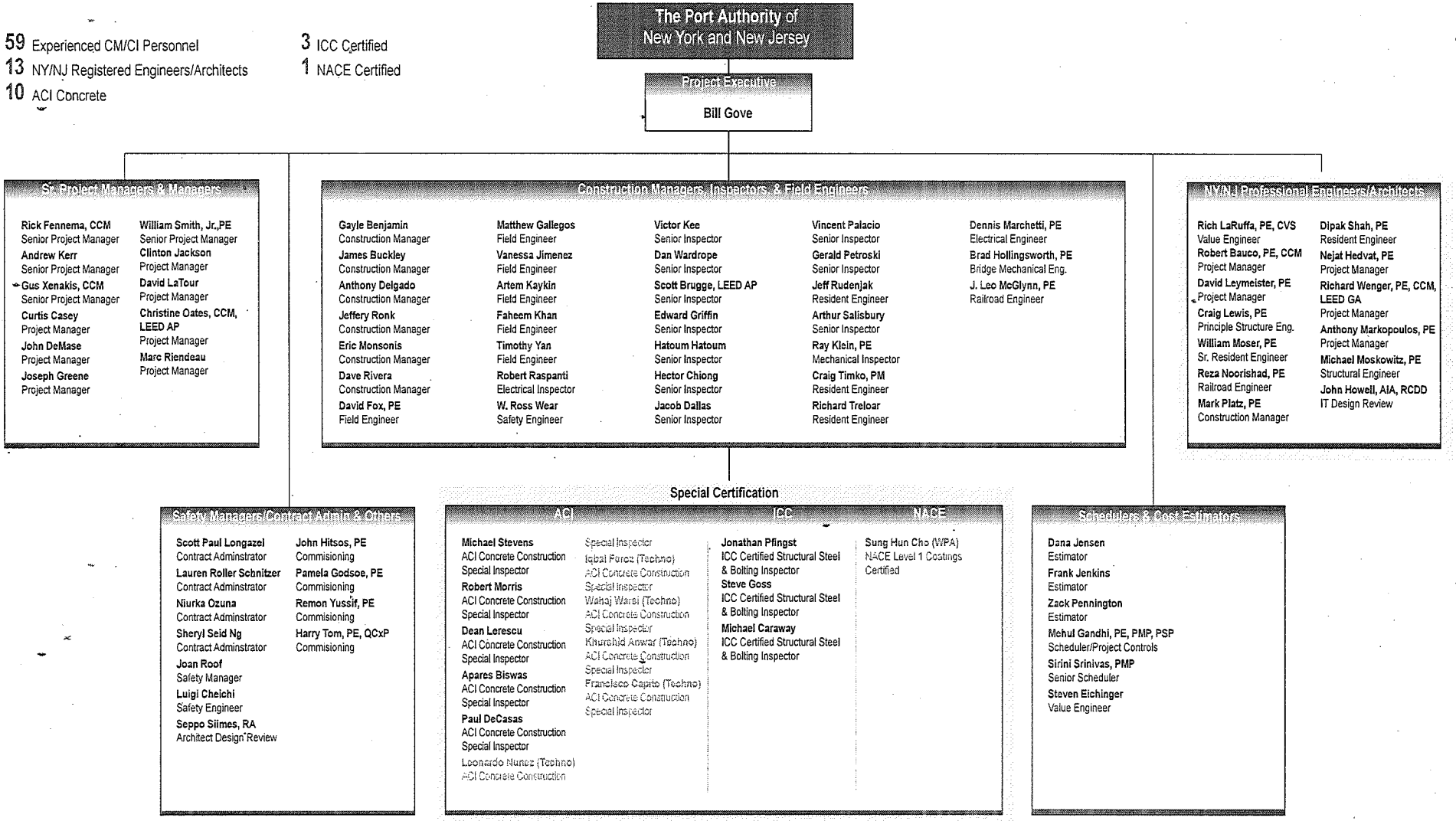
In an effort to be responsive to your requirements, we identified a total of 85+ individuals who bring knowledge and background as Project Managers, Construction Managers, Pre-Construction Managers, Contract Administrators, Inspectors and Project Controls specialist and bring the experience and capabilities to manage capital projects and project teams from conceptual design through construction. These team members are experienced in utilizing project controls systems to manage document control, submittals, RFI's, change orders etc. Our Inspectors, Field Engineers, and Contract Administrators are comprised of experienced Site Quality Control specialists of all disciplines.

Jacobs is specifically organized to provide services on "Call-In" type contracts. Nearly 45% of our work is performed under "Call–In" or Indefinite Quantity type Agreements for public sector clients including the Port Authority. The Flow Chart which follows depicts the process that we use to identify, select and submit candidate staff to the Authority for review and approval. The process starts with a request for staff from the Authority. We will then select the candidate(s) that are best fit for the assignment from our staff and present their resume(s) to the Authority for review. If the resume(s) is accepted we will arrange an interview for the candidate(s). If the submitted candidate is not accepted by the Authority, we will provide resumes for different candidates for the Authority to review.

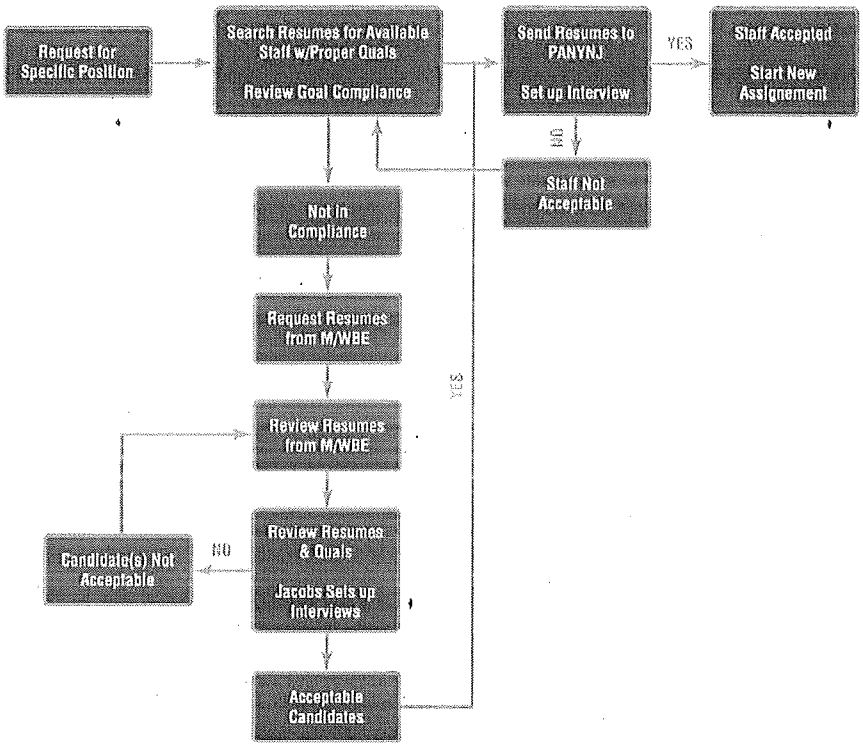
In order to meet and or exceed the goals of the program for minority and women participation we intend to solicit support from a number of firms that we have successfully worked with in the past, firms such as Techno Consultants (MBE), WPA (WBE), Savin Engineers (MBE) and JBC Associates (WBE). We are confident in their ability to provide quality services to our team.

A copy of the Organization Chart appears on the following page.

59 Experienced CM/CI Personnel
13 NY/NJ Registered Engineers/Architects
10 ACI Concrete
3 ICC Certified
1 NACE Certified



Task Initiation Flow Chart



MANAGEMENT APPROACH TO PERFORM REQUIRED SERVICES

We have structured our management approach to address all the tasks listed under the Scope of Work for this Call-In Contract. Through this approach we discuss how we intend to keep the Port Authority apprised of the project status and how we will ensure the quality of the work product and deliver projects on time and on budget. We have tailored our approach to be able to deliver the following benefits to all tasks performed under this contract:

- ✓ **Minimize disruption to occupied areas in phased construction** – we recognize that tenants and end-users must be capable of functioning at their normal efficiency during business hours. We will mitigate construction impact of worker productivity. We will work with the contractor to develop a mitigation plan to address any noise, dust or specific construction issues that might be disruptive. We will also develop a communication plan similar to what we have done on numerous projects where items of concern can be quickly surfaced and addresses.
- ✓ **Safety of the occupants and the construction team** – safety is our priority for every task or project. We will enforce all existing safety guide lines at each Facility- George Washington Bridge, NY, Journal Square (PATH), Hoboken, NJ, Port Newark, NJ Stewart Airport, NY Teterboro Airport, NJ and Howland Marine Terminal, NY. We Work to develop specific safety plans of action for every task and will maintain safe access and egress to and from the worksites at all times. We will also communicate with the Tenants and the Port Authority to keep them informed and ensure safety awareness.
- ✓ **Positive Relationship among All Stakeholders:** We are familiar with your policies and procedures through our current work with you. It has allowed us to develop an understanding of your requirements and way of doing business, enabling us to work closely with you and the project team to ensure that all stakeholders are in alignment, the project is moving in the right direction and end user requirements are

met. Below we have highlighted how we will perform each task listed in the scope of work while achieving the above listed benefits.

A. CONSTRUCTABILITY/BIDABILITY

We have performed an extensive number of constructability reviews for airports, office facilities, bridges, tunnels and terminals and will bring our "lessons learned" from both our design and construction experience in these facilities to all projects executed under this contract.

Our approach toward constructability focuses on bringing genuine "hands-on" construction input into the entire project delivery process, with a particular focus on the design phases of the process. The primary objective is to realize significant construction safety, cost and schedule benefits. We will review the design documents for quality and completeness of detail, with special attention to any ambiguities, conflicts or inaccuracies. We will also review for contractibility within cost parameters and the availability of materials within schedule parameters. We will look for possibilities to improve quality, expedite schedule, and reduce costs. An added objective is to turn the facility over in a sequence that matches the intended start-up / facility activation process.

We will also review the documents for ***operability***. On all our design reviews, we will consider long-term life cycle cost issues, and suggest that these reviews also include representatives from our client's operations and maintenance staff to ensure a cost effective and functional design. Our team will take the lead in collating all comments from all reviewers including the various Port Authority user groups and others as appropriate. We will use Contract Manager (Expedition) specially designed for this purpose as our database tool. At each review milestone we will collect and publish the comments in a report that will be distributed to all parties.

B. CONSTRUCTION STAGING

Jacobs performs CM services for numerous airports, office facilities, bridges, tunnels and terminals, both for Government and State entities including many projects for the Port Authority of New York, and we will bring best practices to this contract. The majority of this work is typically done while the facilities are occupied, which requires extensive coordination as well as special staging and phasing. ***The focus of our staging will be to maintain facility operations, minimize tenant/occupants inconvenience, expedite construction and ensure the safety of the tenants, occupants and contractors.***

For every task, we will develop the site logistics plan, construction packaging and phasing plan. Our site logistics plan will focus on providing access for equipment, staging areas for materials, lifting plans, location of temporary facilities, location of tool (sharps) storage outside the secure perimeter along with daily logistics of equipment movements through loading docks and address environmental, safety and site security concerns. In addition, we will address staging areas for contractors and subcontractors for each phase of construction. We will include logistics requirements as part of every bid package so that the contractors bid to the Authority will include the specific conditions and restrictions in the logistics plan. Our approach to packaging and phasing will be tailored to address the physical constraints of the site, contract completion milestones and the appropriate division of work.

C. SCHEDULE DEVELOPMENT AND MONITORING

Where the Authority requests, we will prepare a Summary Level Master Schedule for a particular task, identifying the critical path and identifying issues, constraints and other requirements that could have an impact on the schedule. We will continue to maintain and refine this schedule during the design and bidding process, developing and recommending alternate solutions to eliminate or mitigate issues which may have a negative impact.
The construction contractor, at the time of award, will be required to submit his detailed construction schedule. Utilizing our own independently developed schedule, we will review the contractor's schedule for reasonableness and compliance with contract requirements (staging, weather sensitive work items, coordination with operational

requirements of the facility, etc.) If such issues are not adequately addressed, we will work with the contractor to resolve these schedule deficiencies.

We have found it beneficial to hold an initial scheduling meeting, as soon as possible after the award and prior to the contractor's initial submittal of its CPM schedule. This would allow the Authority to outline the content and logic of the schedule requirements so that the contractor can better address its schedule to our requirements. Once the contractor's initial schedule submittal is received, a second meeting is advisable to review any discrepancies, discuss the logic of the contractor's CPM and comment where necessary. We will treat the approval of the initial schedule as a priority item of the highest order. The resultant schedule will provide an effective tool to monitor and control performance of the contractor.

Upon the Authority's acceptance of the schedule, we will continually monitor progress and prepare and submit a complete review of the contractor's CPM update on a monthly basis. We will verify the accuracy of work complete, and provide comments and recommendations to the Authority should the look ahead schedules be in non-compliance with the baseline schedule or other ongoing facility projects.

Jacobs provided inspection services for the PATH Journal Square Modernization of 5 Escalators. Due to delays relocating the control rooms schedule was critical in order to accommodate the commuter flow from the Bus Platforms to PATH Trains. PATH Facility & Maintenance, CMD and Jacobs personnel all successfully worked as a team to bring the new escalators into service in a timely manner to the satisfaction of the Port Authority.

D. QUALITY ASSURANCE INSPECTION

Jacobs is a firm believer in using quality control and quality assurance programs to deliver high caliber projects that exceed client expectations.

Our team will begin the quality control process upon award. We will review all submitted documents for general conformance with the specifications and we will also review the Contractor's quality control plan to confirm that they have a feasible and effective plan. Our team will then monitor the Contractor's compliance with the plan. We will enforce standards for construction quality and workmanship that are defined in the contract documents and make sure that the contractor performs required testing and/or provides the necessary controls. For all work, we will inspect continually to confirm that the established level of quality is delivered throughout the project. Our field inspectors will be responsible for ensuring that installation is carried out in accordance with the required level of quality. Materials will be examined prior to being covered up. Inspections will be coordinated with the Materials Division, PA QAD and PA Design Architect and inspector sign-off sheets issued, countersigned by agency Inspectors where appropriate. Defective or unacceptable installations will be rejected and removed or corrected. All quality control documentation from the contractor will be immediately forwarded to the appropriate Port Authority staff.

We will promptly inform the contractor in writing of any poor quality work and items of non-conformance. We will also work proactively with the contractor to resolve any quality control issues. Resolutions will be approved only with Port Authority concurrence and approval. A status report for all improper work and non-conformance items will be prepared, including dates of satisfactory resolution of such items. Should a poor quality or non-conformance item remain uncorrected, a Non-Conformance Report will be issued promptly to document the matter and it will include a recommended corrective action and correction date.

The Port Authority received a Silver Medal for Construction Excellence on the Hoboken Corridor Modernization. On this project Jacobs provided inspection services working with the PATH, New Jersey Transit and the contractor to successfully complete this project ahead of schedule.

E. CONTRACT ADMINISTRATION

We understand the PANYNJ policies and procedures from our numerous years working on PANYNJ On-Calls. The knowledge and diverse experience of our staff personnel will facilitate a well run and organized office. We will administer construction contracts, including developing and processing of post award contract changes (PACC) and change orders; processing time and material records (T & M); payment applications; updating of computer databases, such as WINTRAK; status reporting; document control; and attending contractor status meetings. We will address these functions based upon our knowledge of the PANYNJ's procedures and our experience in providing these services to the PANYNJ from our current and past assignments.

Processing Time & Material Records

When a contractor has been issued a PACC/C.O. or directive to proceed with work on a Time & Material basis, he proceeds with the work and prepares a "Contractors Daily Record Ticket". This is a daily record of manpower, equipment and material used to perform the work. This is given to the Field Engineer. The Field Engineer will stamp, sign and edit accordingly to verify work performed. The signed ticket is given to the Office Engineer (OE). The OE maintains all T&M records and daily reports and tracks them against the established budget. The OE produces a monthly status report and it is entered in WINTRAK. The contractor submits a monthly invoice to the OE for T&M work. The OE reviews the invoice and audits it against the T&M tickets. The OE uses reference manuals, i.e. Blue Book for equipment and checks the invoice against certified payroll and prevailing wage rates. At completion of the OE's audit, the invoice is stamped, signed and given to the Resident Engineer (with audit backup) for approval. The Resident Engineer initials the invoice and a copy is faxed to the contractor. The contractor includes copy of the faxed approval with his payment application to PANYNJ. The payment application includes a change order log as backup for payment. The log includes the Office Engineer's faxed approved desk audit.

Jacobs provided office engineering services on the PATH Facility Resilience Improvements project. On this project the contract value was $11M. Jacobs' personnel completed all desks audits of time and material which greatly minimized any overpayments to the contractor.

Payment Applications

When a contractor submits a payment application to the Resident Engineer, the Resident Engineer transmits the application to the Field Engineer assigned to that work for review. The Field Engineer reviews his findings with the Resident Engineer. Appropriate changes are then made to the pay application. The Resident Engineer signs the payment application and enters it in WINTRAK and SAP. The Resident Engineer will then send the Payment application to the EOC for review and signature. Once reviewed by the EOC, he then forwards to CMD (Construction Management Division) for processing. The CMD reviews for accuracy, assures entry into WINTRAK and SAP. Then the CMD sends the approved payment application to Disbursements, where check is prepared and payment is sent to contractor.

Updating Computer Databases Such as WINTRAK

WINTRAK is updated based on actual changes as well as forecasted changes. This update usually occurs monthly. WINTRAK includes status for schedules, work in place, payment of invoices, PINs track changes (PACC's) and or time and material and "Clause Work". An Important function of WINTRAK is to compare actual and forecasts to budget. This is important to check against funding and schedule. Results could be an increase in funding authorization and/or extension of time. WINTRAK is updated by the Resident Engineer's Team (Office Engineer,

Field Engineer and Resident Engineer) and given to an Administrator to enter the information into the database. Remarks and comments are also entered into the WINTRAK database.

Status Reporting

Jacobs will provide status updates through reporting on project schedule, payments, PINs PACC's, time & material work and clause work which can be downloaded and reported through WINTRAK. A number of different reports can be generated by this database to provide the Authority and Consultant staff up to date information as to the status of the project. Status reporting is also generated through progress meetings, contractor schedule updates, daily narratives, submittal and RFI logs, minute meetings and progress reports.

Document Control

Entries for all work must be maintained in WINTRAK to log and track all information. All correspondence is addressed to the Resident Engineer. Shop drawings and submittals are logged and tracked for status. Record drawings are maintained by the Field Engineer and updated accordingly. All files are kept in accordance with project number PANYNJ filing system.

Attending Contracting Status Meeting

Contractor status meeting are usually attended by the Resident Engineer, Field Engineer, Office Engineer, Inspectors, Project Manager and Contractors. Items discussed include safety, outstanding issues, RFIs, PACCs, change orders, submittals, permits, schedule status, long-lead items, progress status, closures, lane closure requests, escorts and security requirements. Records of meeting events are noted on Meeting Minutes including ball-in-court, status and dates required to resolve issues.

F. COST ENGINEERING / ESTIMATING SERVICES

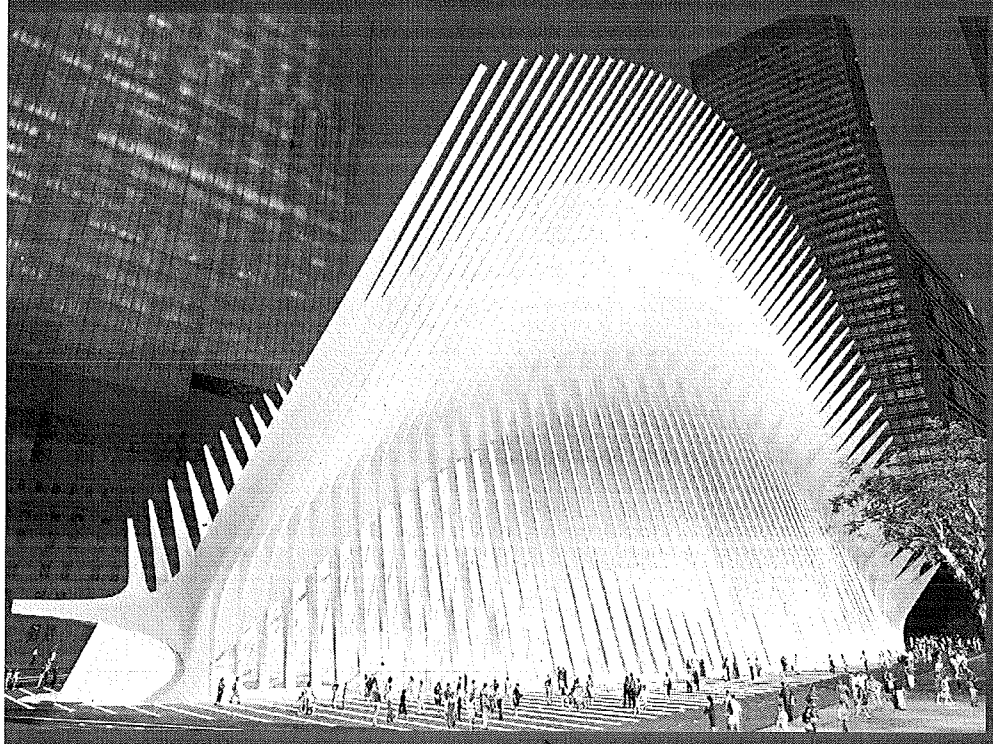
Our Estimating Team has an excellent track record of accuracy in estimates. Our services include providing full estimates, take-offs, estimate review and reconciliation, cost and market analysis, pro-active participation in constructability and value engineering reviews, planning, bid package assistance, and change order estimating and negotiation. Jacobs cost engineering and estimating team features a full in-house compliment of architectural, structural, civil, mechanical and electrical estimating specialists with directly relevant experience in estimating costs of specific type projects attendant to all of PANYNJ facilities and structures including airports, office facilities, bridges, tunnels or terminals, both port and land based. Detailed cost estimates are based on quantities of specific construction materials and are refined through schematic design, design development and contract document stages to reflect new input from the design and construction team. Local subcontractors and suppliers are consulted to fine tune pricing. Early, accurate and continuous estimating feedback will help keep designs on track and within budget. At the same time, Jacobs frequently reviews architect/engineers estimates. Our seasoned estimating team works proactively to reconcile and validate A/E's estimates to help assure cost predictability and control. We are familiar with the Authority's "Construction Estimating Guide" and maintain a copy in our estimating department. This familiarity allows us to be pro-active in a project's early design stages, which is when we can be of greatest service to the Authority by making participants think about their needs and getting team buy-in on issues at an early stage. We will bring the Authority, AE/s and Engineers together and lead a Q&A session that looks at what is "behind the walls," analyzes special considerations, and examines all assumptions and qualifications for the project, from owner expectations to funding & market conditions. This enables our estimators to capture the real substance of what the facility will require and the challenges the team will be facing as design and construction proceed. At this point we will establish budgets and contingencies develop elements of critical path and evaluate possibilities of outside influence – market conditions, inflation, labor shortages, or design uncertainties.

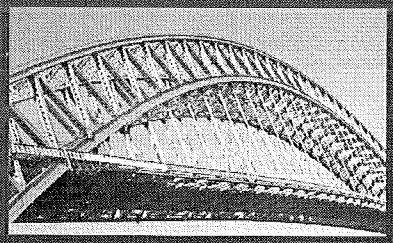
G. RESOURCES

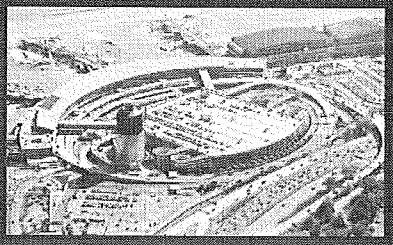
The primary contact with the Authority will be Bill Gove, our proposed Project Executive. Bill has performed similar services for the Authority on previous "call-in" assignments, including our recent similar assignment providing Call-In Expert Construction Management services from 2011 to 2014. Through this experience and other experience working with the Authority, he has gained a thorough knowledge of the Authority's procedures, policies and personnel, and will be able to respond immediately to your needs; providing the proper staffing and expertise for your assignments. At the same time as we are identifying in house candidates we also will make sure that we are meeting the M/WBE goals established for the project. With an emphasis on exceeding the contractually established goals, we will also look at each request for staff an opportunity for M/WBE support. This process is also depicted in the flow chart and includes the addition of interviews of M/WBE candidates prior to the submission of their resumes to the Authority for review and interview. Once an M/WBE candidate is selected their participation on the project will be seamless to the Authority.

Section H

Firm's Affiliates







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H. AFFILIATES

A parent and affiliates of Jacobs Engineering New York Inc., which is located at Two Penn Plaza, New York, NY 10121, include the following:

Federal ID#	Company Name	Address
	Jacobs Engineering Group Inc. (JEG) (Parent Company)	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Project Management Co. (JPMCo.)	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Civil Consultants Inc. (JCCI)	Two Penn Plaza New York, NY 10121
	Jacobs Government Services Co.	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Field Services North America Inc.	5995 Rogerdale Road Houston, TX 77072
	Jacobs Consultancy Inc.	5995 Rogerdale Road Houston, TX 77072
	Jacobs Engineering Inc.	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Advisors Inc.	155 North Lake Avenue Pasadena, CA 91101
	JE Professional Resources Inc.	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Technology Inc.	600 William Northern Blvd. Tullahoma, TN 37388
	Jacobs Industrial Services Inc.	501 North Broadway St. Louis, MO 63102
	CRSS International Inc.	5995 Rogerdale Road Houston, TX 77072
	Jacobs Telecommunications Inc.	299 Madison Avenue Morristown, NJ 07962
	Edwards and Kelcey Design Services Inc.	130 East Randolph Chicago, IL 60601
	Jacobs Engineering Company	155 North Lake Avenue Pasadena, CA 91101
	Edwards and Kelcey Partners LLP	299 Madison Avenue Morristown, NJ 07962
	Payne & Keller Company Inc.	4949 Essen Lane Baton Rouge, LA 7082

Federal ID#	Company Name	Address
	Jordan Jones and Goulding, Inc.	6801 Governors Lake Parkway Norcross, GA 30017
	LeighFisher Inc.	155 North Lake Avenue Pasadena, CA 91101
	Integrated Pipeline Solutions Inc.	155 North Lake Avenue Pasadena, CA 91101
	Resource Spectrum Inc.	155 North Lake Avenue Pasadena, CA 91101

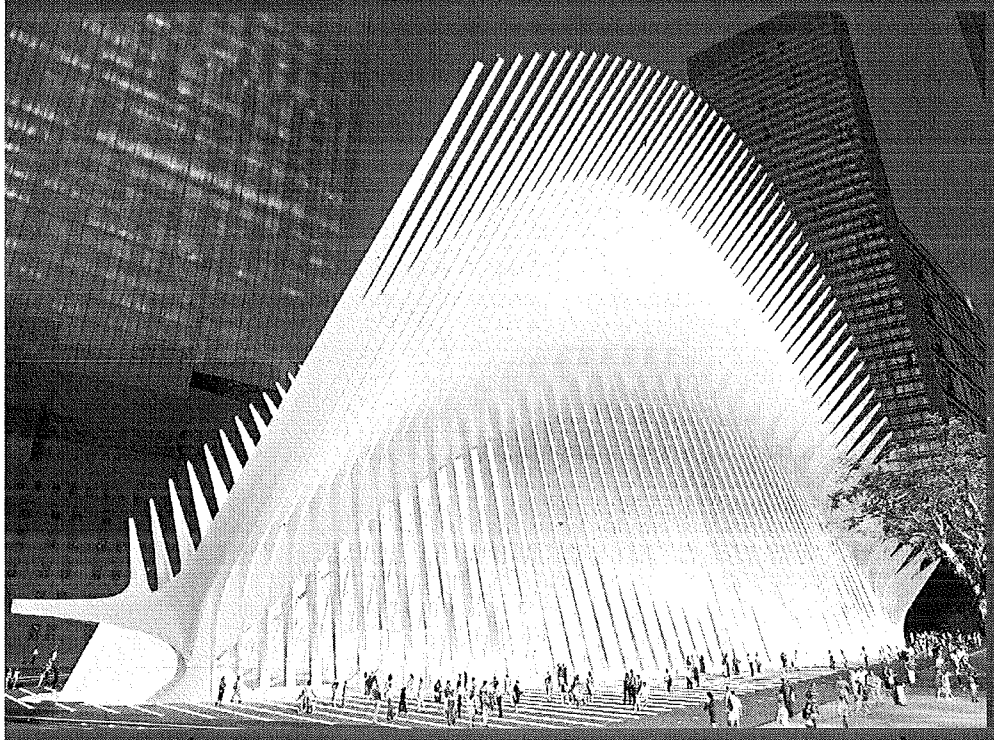
The following is a list of affiliates and related entities that conduct business in New York or are parent companies of companies licensed to do business in New York.

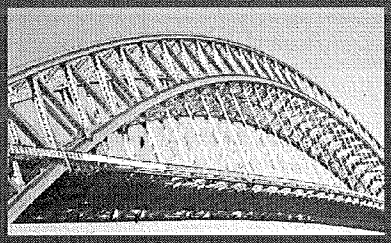
Federal ID#	Company Name	Address
	Jacobs Project Management Co. (JPMCo.)	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Engineering Group Inc. (JEG) (Parent Company)	155 North Lake Avenue Pasadena, CA 91101
	Jacobs Civil Consultants Inc. (JCCI)	Two Penn Plaza New York, NY 10121
	JE Architects/Engineers, P.C.	77 Main Street Fort Worth, TX 76102
	LeighFisher Inc.	155 North Lake Avenue Pasadena, CA 91101

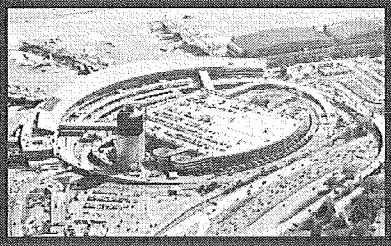
We are submitting this proposal but we acknowledge that there are several Jacobs entities that conduct business in New York. We are aware of the requirements regarding conflicts of interest and will adhere to those requirements during the duration of the agreement if awarded the contract.

Section I

Possible Conflict of Interest







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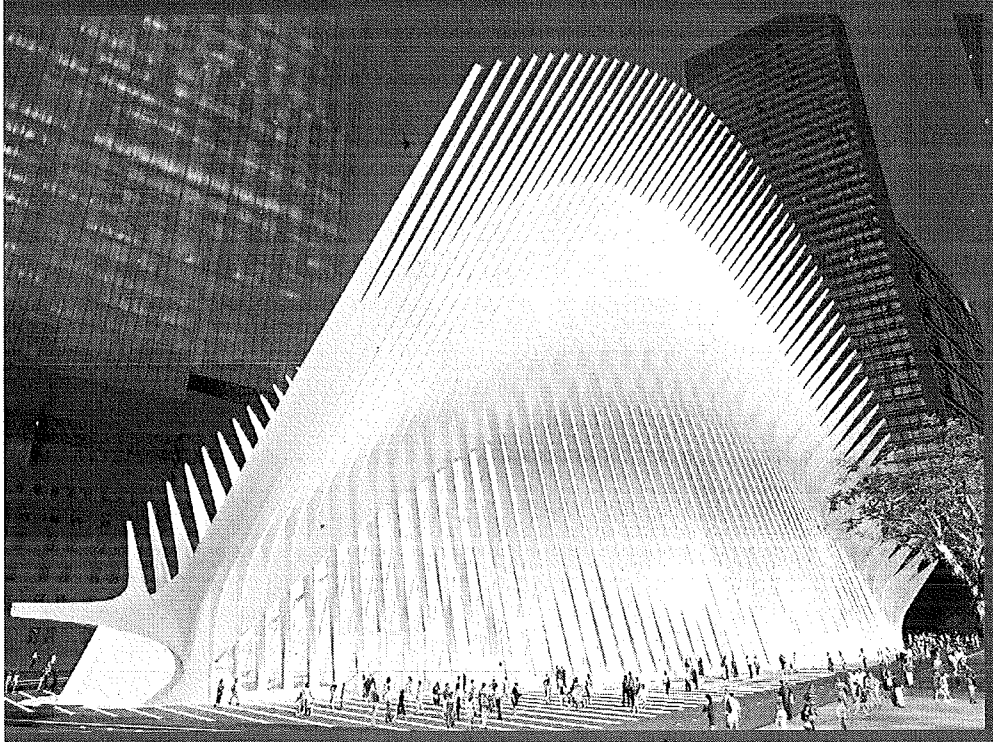
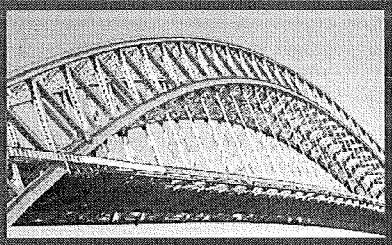
I. POSSIBLE CONFLICT OF INTEREST

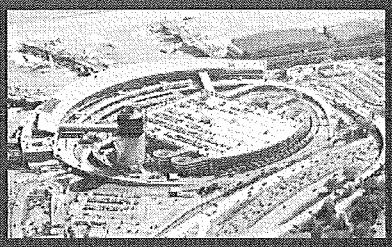
In accordance with Subsection I of Section II (Submission Requirements), Jacobs maintains no conflict of interest in relation to the awarding of this contract.

Section J

Standard Agreement Specific Exceptions







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J. STANDARD AGREEMENT SPECIFIC EXCEPTIONS

We have reviewed the proposed contract and find it to be generally acceptable as the basis for the negotiation of a mutually-agreed-to final contract between the parties.

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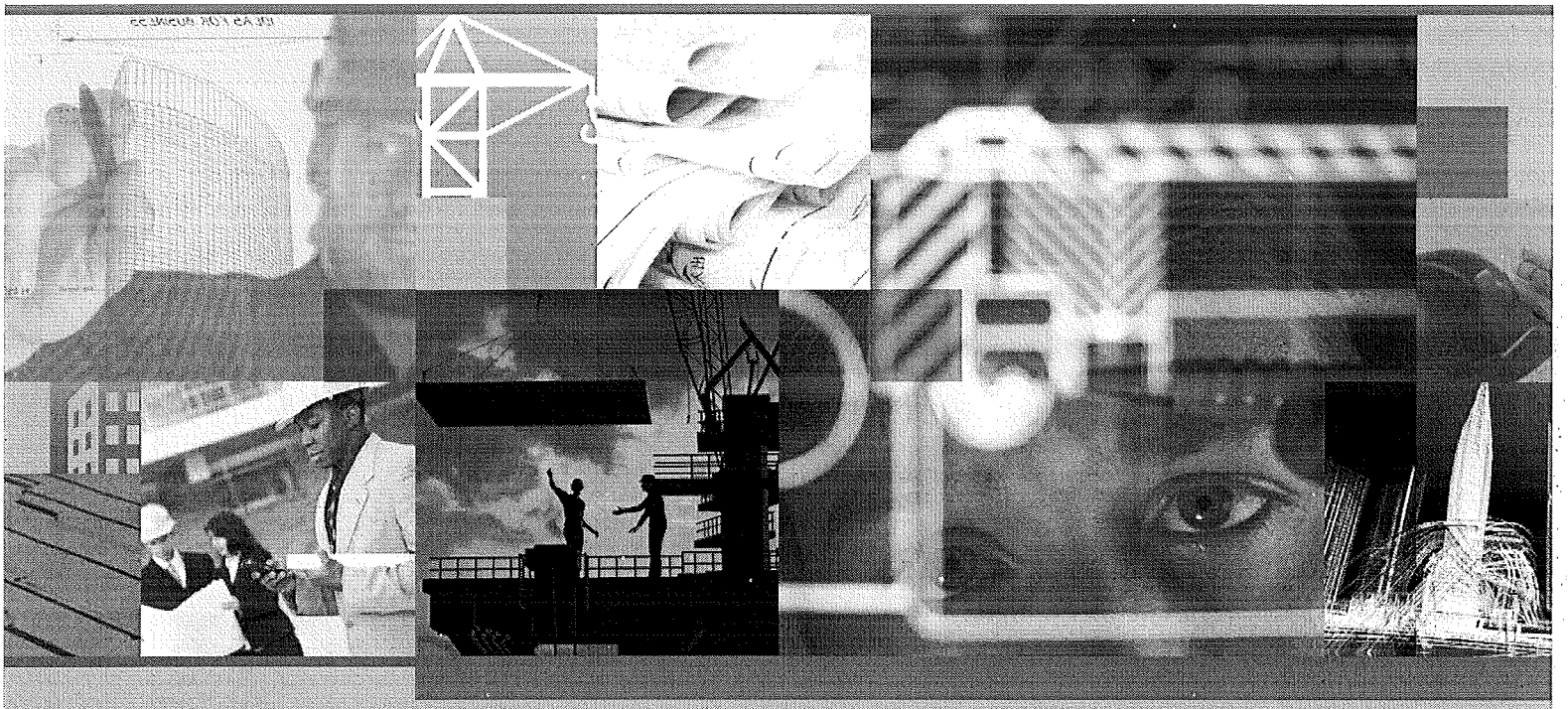
Jacobs Engineering New York Inc. | 2 Penn Plaza, Suite 0603 | New York, NY 10121 | 212.268.1500 Phone | 212.481.9494 Fax

THE PORT AUTHORITY OF NY & NJ

Proposal
RFP No. 39247



Performance Of Expert Professional

CONSTRUCTION MANAGEMENT & INSPECTION SERVICES

As Requested on a "Call-In" Basis During 2015 - 2018

STV CONSTRUCTION, INC.

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THE PORT AUTHORITY OF NY & NJ

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H. Management Approach

I. Firm's Affiliates

J. Conflict of Interest

K. Exceptions to Standard Agreement

A. Attachment B

ATTACHMENT B

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

STV Construction, Inc.
(Company)

(Signature) Robert Barbera, P.E.

Senior Vice President
(Title)

September 18, 2014
(Date)

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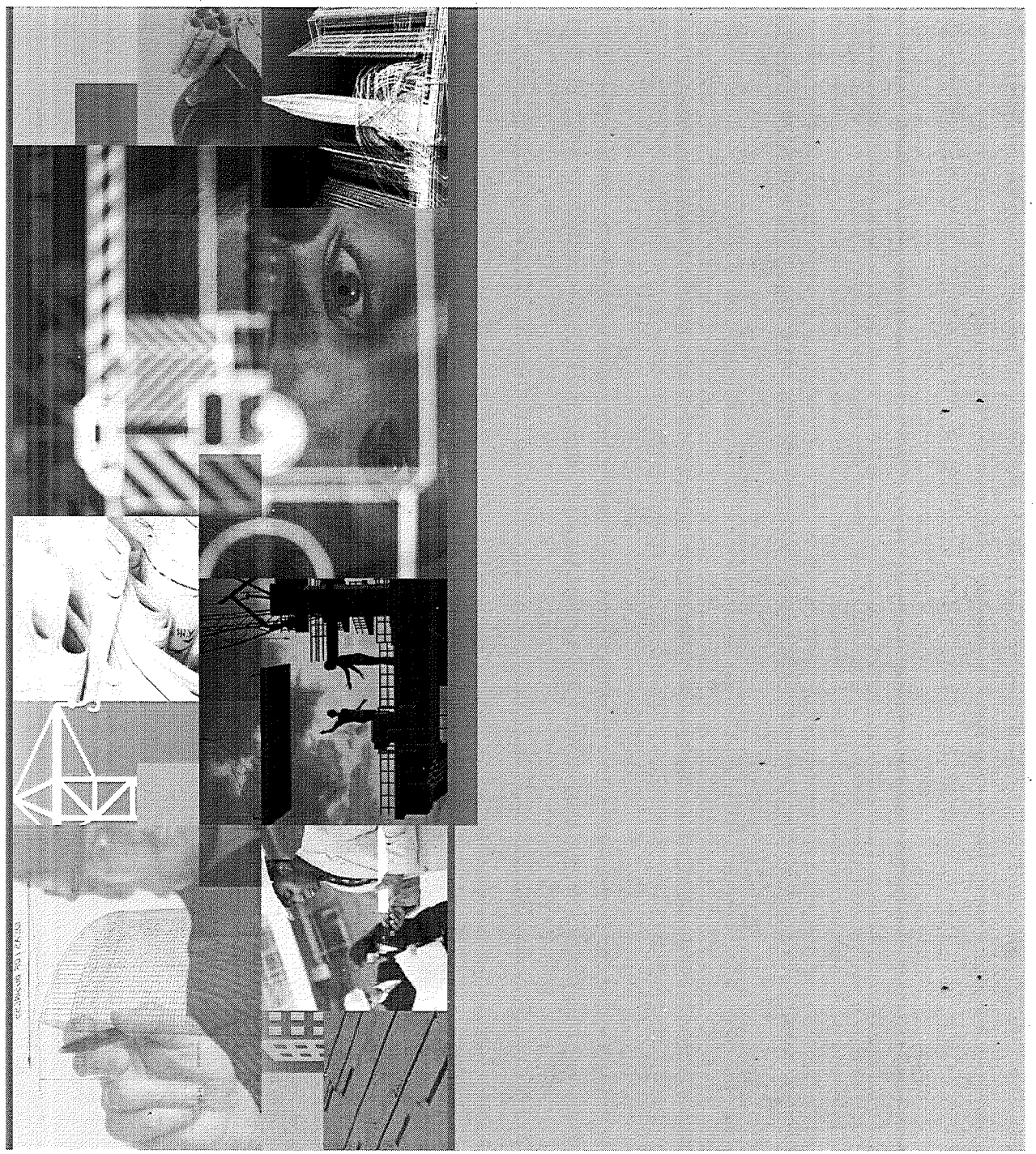
DO NOT RETYPE.

B. Attachment C



ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):

   STV Construction, Inc.

2. Business Address (to receive mail for this RFP):

   225 Park Avenue South, New York, NY 10003-1604

3. Business Telephone Number: 212-777-4400

4. Business Fax Number: 212-673-5533

5. Firm website: stvinc.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 01 / 31 / 1996

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):

   Please see section G of this proposal for a list of our firm's affiliates.

9. Officer or Principal of Firm and Title:

   Robert Barbera, P.E., Senior Vice President

10. Name, telephone number, and email address of contact for questions:

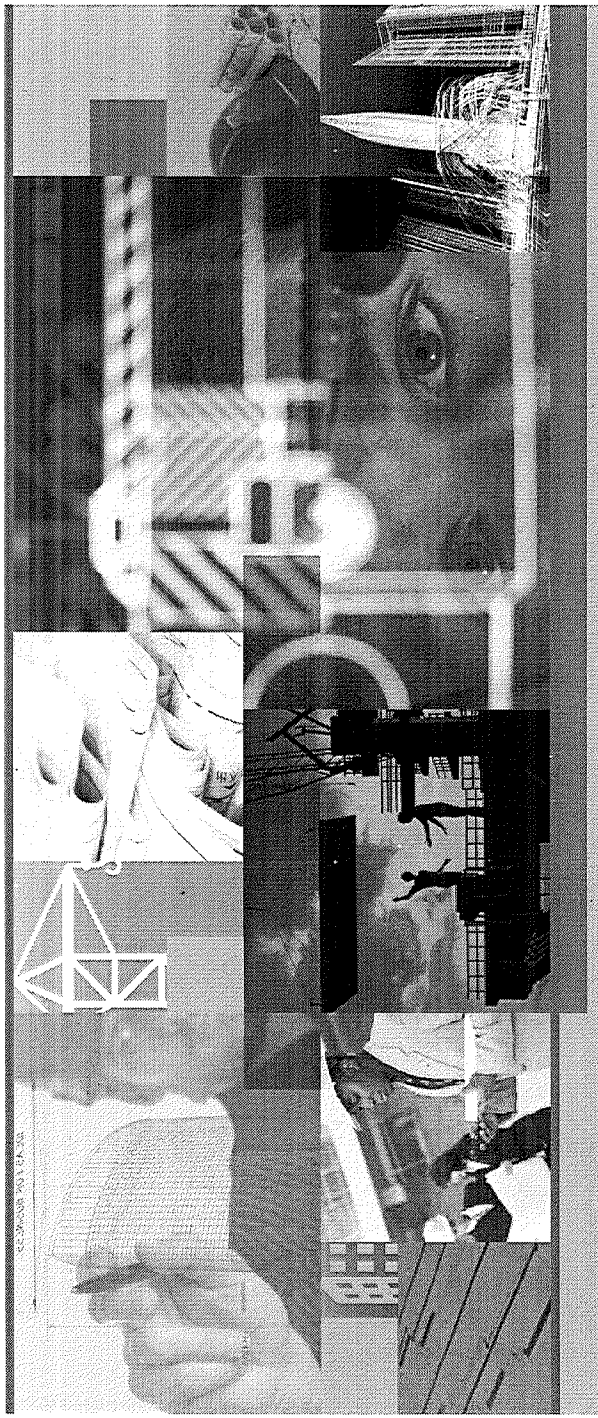
    Robert Barbera, P.E., Senior Vice President

    Tel: 212-777-4400; E-mail: robert.barbera@stvinc.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes ☒ No

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.



C. TRANSMITTAL LETTER

September 18, 2014

The Port Authority of New York and New Jersey
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302
Attention: RFP Custodian

Reference: **Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018, RFP #39247**

Dear RFP Custodian:

STV Construction, Inc. (STV), a subsidiary of STV Incorporated, stands ready to quickly and efficiently respond to the needs of our clients. We understand the importance to the Port Authority of New York and New Jersey (PANYNJ) of meeting the transportation needs of the bi-state region to provide safe and efficient service to its patrons at all times. As an industry leader based in New York City, STV can successfully provide the PANYNJ with construction management (CM) and inspection services on a call-in basis.

The STV Team

STV is a leader in the provision of CM services in the New York Metropolitan area and is proud to have served PANYNJ on major projects. For this contract, STV will serve as prime consultant and will provide overall contract management, QA/QC, CM, construction inspections, constructability reviews, contract administration, construction cost estimates, and construction scheduling. To supplement our in-house services, we have teamed with KS Engineers, P.C. (MBE), The Hirani Group (MBE), JPCL Engineering (DBE), and ELLANA Construction Consultants, Inc. (WBE). This resource pool will allow our team to be able to respond within short notice of an assignment and to manage multiple concurrent tasks.

Prerequisite Compliance

STV has met, if not exceeded, PANYNJ's proposed prerequisites listed in the RFP as demonstrated on the following page.

AN EMPLOYEE-OWNED COMPANY PROVIDING QUALITY SERVICE SINCE 1912 | 225 PARK AVENUE SOUTH
NEW YORK, NEW YORK 10003-1604
(212) 777-4400 FAX: (212) 529-5237

A. Firm Experience:

1. an office in the Greater New York, New Jersey Metropolitan Area and must have at least 50 individuals on staff who have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area.

STV has two main office locations in New York and New Jersey including over 600 construction management and inspection staff, they are as follows:

New York Headquarters Office
225 Park Avenue South
New York, NY 10003-1604
T: (212) 777-4400 F: (212) 529-5237

New Jersey Headquarters Office
1037 Raymond Boulevard, Suite 200
Newark, NJ 07102-5425
T: (973) 642-2201 F: (973) 642-3245

2. a Certificate of Authorization to practice Professional Engineering or Architecture in the states of New York and/or New Jersey.

Please see certificates to the right.

Certificates of Authorization to practice professional engineering in New York and New Jersey are that of the proposer's parent company, STV Incorporated.

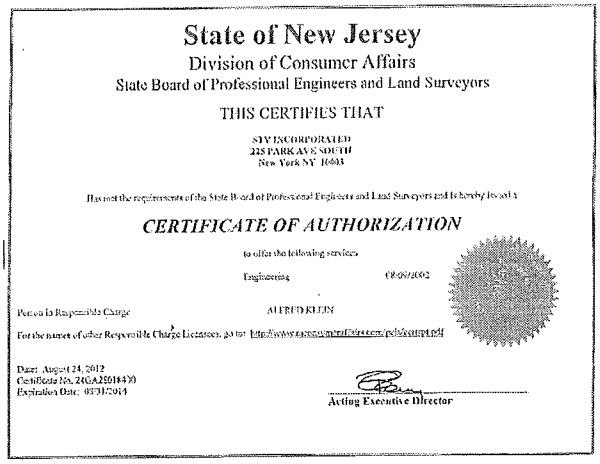
Regarding the State of New Jersey Certificate of Authorization, please note we filed renewal documentation on July 10, 2014 but have not yet received an updated Certificate from the State's Board of Professional Engineers and Land Surveyors.

B. Staff Experience:

Construction Inspection staff shall be experienced in performance of one or more of the following: Civil, Structural, Electrical and Mechanical Engineering; and shall include:

1. at least ten (10) of which must be engineers/architects licensed in the states of New York and/or New Jersey.
2. at least ten (10) of which must be ACI Concrete Construction Special Inspector
3. at least three (3) of which must be ICC Certified as a Structural Steel and Bolting Inspector
4. at least one (1) of which must be NACE Level 1 coatings certified.

Please see the charts on the following page.



State of New Jersey
Division of Consumer Affairs
State Board of Professional Engineers and Land Surveyors

THIS CERTIFIES THAT

STV INCORPORATED
225 PARK AVE SOUTH
New York NY 10003

Has met the requirements of the State Board of Professional Engineers and Land Surveyors and is hereby issued a

CERTIFICATE OF AUTHORIZATION

to offer the following services

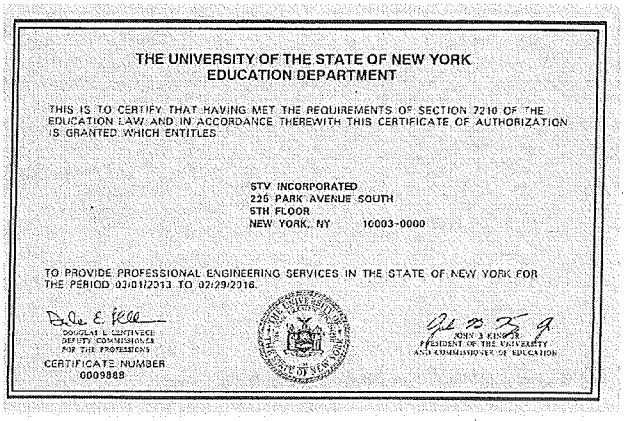
Engineering 08/07/2002

Person in Responsible Charge ALFRED KLEIN

For the names of other Responsible Charge Licensees, go to: http://www.newjerseynewsletter.com/pels/auth.pdf

Date: August 24, 2012
Certificate No. 24GA28018400
Expiration Date: 07/31/2014

Acting Executive Director



THE UNIVERSITY OF THE STATE OF NEW YORK
EDUCATION DEPARTMENT

THIS IS TO CERTIFY THAT HAVING MET THE REQUIREMENTS OF SECTION 7210 OF THE EDUCATION LAW AND IN ACCORDANCE THEREWITH THIS CERTIFICATE OF AUTHORIZATION IS GRANTED WHICH ENTITLES:

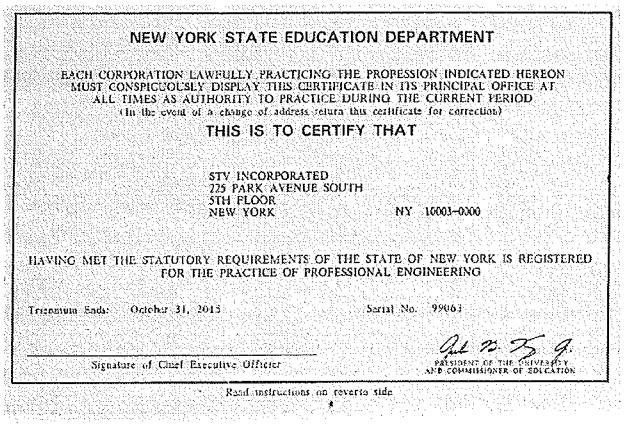
STV INCORPORATED
225 PARK AVENUE SOUTH
5TH FLOOR
NEW YORK, NY 10003-0000

TO PROVIDE PROFESSIONAL ENGINEERING SERVICES IN THE STATE OF NEW YORK FOR THE PERIOD 02/01/2013 TO 02/29/2016.

DOUGLAS L. CENTIVESE
DEPUTY COMMISSIONER
FOR THE PROFESSIONS

CERTIFICATE NUMBER
0009869

JOHN B. KING
PRESIDENT OF THE UNIVERSITY
AND COMMISSIONER OF EDUCATION



NEW YORK STATE EDUCATION DEPARTMENT

EACH CORPORATION LAWFULLY PRACTICING THE PROFESSION INDICATED HEREON MUST CONSPICUOUSLY DISPLAY THIS CERTIFICATE IN ITS PRINCIPAL OFFICE AT ALL TIMES AS AUTHORITY TO PRACTICE DURING THE CURRENT PERIOD
(In the event of a change of address return this certificate for correction)

THIS IS TO CERTIFY THAT

STV INCORPORATED
225 PARK AVENUE SOUTH
5TH FLOOR
NEW YORK NY 10003-0000

HAVING MET THE STATUTORY REQUIREMENTS OF THE STATE OF NEW YORK IS REGISTERED FOR THE PRACTICE OF PROFESSIONAL ENGINEERING

Registration Ends: October 31, 2015 Serial No. 99063

Signature of Chief Executive Officer

PRESIDENT OF THE UNIVERSITY AND COMMISSIONER OF EDUCATION

Read instructions on reverse side

Engineers/architects licensed in the states of New York and/or New Jersey

Robert Barbera, PE	Principal-in-Charge
Sam Scozzari, PE	Task Leader - Bridges & Tunnels
Anthony Cracchiolo, PE	Task Leader - Rail Transit
Bruce Fox, PE	Senior MEP Manager
Patricia Zander, PE, PMP	Environmental Senior Project Manager
Ruwan Rajapakse, PE, AVS	Resident Engineer
Susan Wong, PE	Resident Engineer
Hemant Pereira, PE	Resident Engineer
Marco Maiorano, PE	Resident Engineer
Diego Alaimo, PE	Project Manager
George Broberg, PE, PP	Project Manager
Harvey Moutal, PE	Project Manager
Raymond Cholewka, PE	Resident Engineer
Scott Plant, PE	Resident Engineer - Structural Engineering
Attef Farag, PE	Resident Engineer - Civil Engineer
Eugene Marciano, PE, PhD	Senior Geotechnical Engineer
Fayyaz Ali Khan, PE	Senior Inspector
Joseph Perricelli, PE	Civil Engineer
Gijo Varghese, PE	Civil Engineer
Bernard Oles, PE	Senior Structural Inspector
Henry Chin, RA	Senior Estimator

ACI Concrete Construction Special Inspector

Zaher Saliby	Senior Inspector
John Mangione, NICET II	Senior Inspector
Valter Cilka, NICET III	Senior Inspector
Scott Plant, PE	Resident Engineer - Structural Engineering
Jeanne Brady, NICET III	Senior Inspector
Kwesi Amegah	Senior Inspector
Syed Imran Ali	Inspector
Zory Deresh	Construction Inspector
Edward McManus	Inspector Electrical
Fred Koomson	Inspector - ACJI-Concrete
Tony Chanderjeet	Inspector - ACI Concrete Construction

ICC Certified as a Structural Steel and Bolting Inspector

Susan Wong, PE	Resident Engineer
Rochelle Lancey	Construction Inspector - Structural Engineering
Brian Malt	Inspector - Structural Steel and Bolting
Bernard Oles, PE	Senior Structural Inspector

NACE Level 1 Coatings Certified

Sandeep Vaidya, NICET III	Office Engineer
Raymond Cholewka, PE	Resident Engineer
Syed Imran Ali	Inspector
Ahmed Husain Zubair	Construction Inspector
Sheldon Williams	Construction Inspector - Painting and structural
Earl Brockenberry	Inspector - Coatings

"Call-In" Experience

STV has provided CM and inspection services for a multitude of call-in, task-order, and open-ended contracts. The firm's history of successful task-order contract performance is highlighted by prompt and cost-effective service recognized by the dozens of local, state, and federal agencies that have chosen STV as their "stand-ready" firm for such contracts. These clients include PANYNJ as well as NYCSCA, NYSOGS, NYCHA, CUNY, and NYSDOT.

Task-order contracts have unique needs with regards to staffing, consistency of performance, communication methodologies, and the ability to mobilize in a time efficient manner. However, STV is accustomed to providing services under this contract arrangement and, therefore, is well versed in responding quickly to our clients' requests. That is why over 80% of our work is for repeat clients. Our organizational structure, service mentality, and long history of performance under task-order contracts, will enable us to be more cost-efficient and responsive as we strive to meet your needs.

Project Leadership You Can Count On

Gus Maimis, LEED® AP BD+C will lead our team and serve as Project Director. Mr. Maimis is known to PANYNJ through his work on the National September 11 Memorial & Museum, a significant part of the redevelopment of the World Trade Center (WTC) site. He is responsible for the oversight and management of all construction activities for this prestigious project, including the preconstruction phase, bid and procurement process, scheduling, and project finance. Mr. Maimis has more than 30 years of experience in the construction industry and will be the single point-of-contact for interface with PANYNJ and to direct the activities of the STV team. He will oversee a pool of 150 personnel and will be supported by myself, Robert Barbera, P.E., as Principal-in-Charge, and the following practice leaders:

- Ken Champion — Airports (36 years of experience/Senior Project Manager for Delta JFK Terminal 4 Redevelopment)
- Samuel Scozzari, P.E. — Bridges & Tunnels (29 years of experience/Design Certification Manager for the PANYNJ WTC Transportation Hub)
- Anthony Cracchiolo, P.E. — Rail Transit (48 years of experience/Project Director for the PANYNJ Moynihan Station Phase I CM)

M/WBE Participation

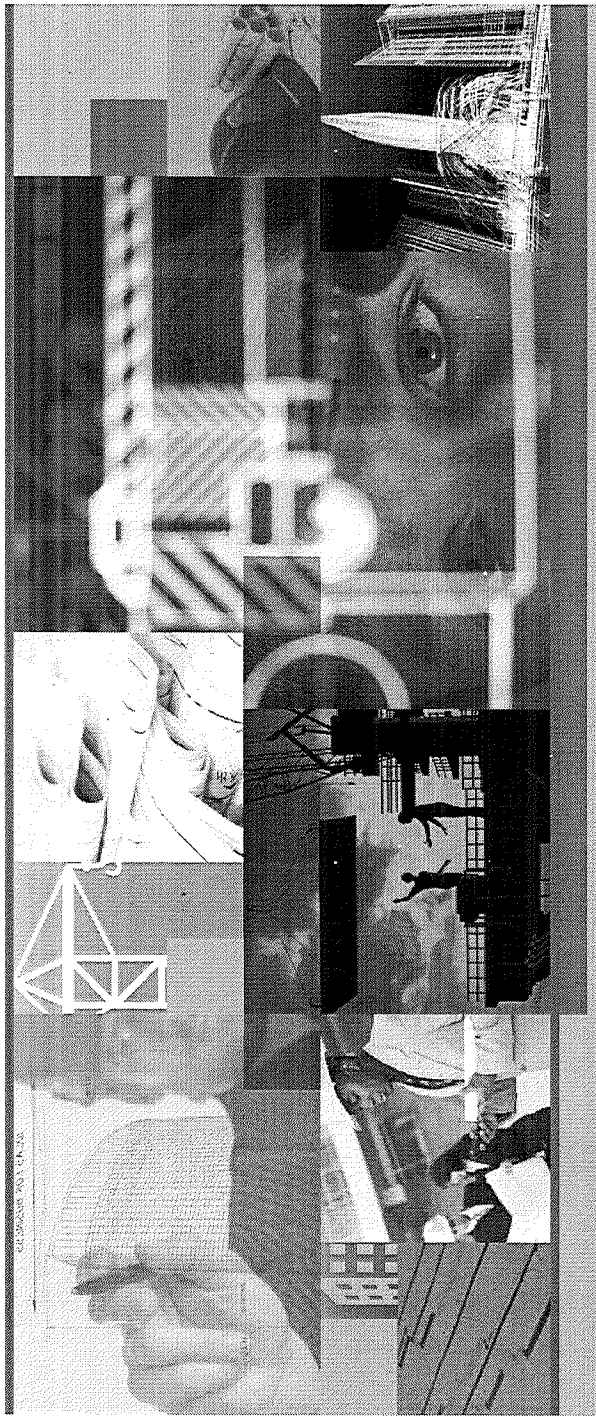
Recognizing the importance of M/WBE participation in the professional design industry, STV and all of our team members are firmly committed to maximizing M/WBE participation on this contract. We will commit to providing at least 12% MBE and 5% WBE participation for this contract through the utilization of our certified subconsultants. On a task-by-task basis, we will proactively address M/WBE participation as a primary focus.

Conclusion

STV is committed to supplying PANYNJ with the experienced and qualified personnel and consultants required for this contract. We have extensive relevant experience, an understanding of your operations and procedures, and a strong commitment to providing superior consulting services. We look forward to the opportunity to continue our long-standing relationship with PANYNJ. Should there be any questions or request for further information, I can be reached by phone at (212) 505-4932 or email at robert.barbera@stvinc.com. Thank you for your consideration.

Sincerely,

Robert F. Barbera, P.E.
Senior Vice President



D. MULTIPLIERS

THE PORT AUTHORITY OF NY & NJ

STV Construction, Inc. has reviewed the Standard Agreement in the **RFP Number 39247**.

Below is our team's multiplier breakdown.

STV's multipliers are as follows:	
Office:	2.41
Field:	2.13
Subconsultants' multipliers as follows:	
JPCL Engineering (DBE)	Office/Field 2.5
KS Engineers, PC (MBE)	Office 2.4/Field 2.10
ELLANA Construction Consultants Inc. (WBE)	Office/Field 2.36
The Hirani Group (MBE)	Office 2.7/Field 2.0
See overhead statements for all firms following this page.	

STV Incorporated and Affiliates
Consolidated Schedule of Direct Labor, Fringe and Overhead Costs
Year Ended September 30, 2013

Account Number		Per Company Statement	Adjustments	Adjusted	Note #3	Field Office	%	Home Office	%
	Direct Labor								
600	Home Office	$ 48,685,670	$ 179,547	$ 48,506,123					
601	Field Office	17,421,675	64,249	17,357,426					
	Total Direct Labor	$ 66,107,345	$ 243,796	$ 65,863,549	1				
	Burden and Fringe								
707	Group insurance	$ 8,078,586	$ 241,984	$ 7,836,602	12	$ 2,065,227		$ 5,771,375	
708	Payroll taxes	7,274,356	-	7,274,356		1,917,055		5,357,301	
710	PTO and holiday	8,909,739	-	8,909,739		2,348,037		6,561,702	
736	Pension plan expense	4,388,224	-	4,388,224		1,156,455		3,231,769	
	Total Burden and Fringe	$ 28,650,905	$ 241,984	$ 28,408,921	4	$ 7,486,774	43.13%	$ 20,922,147	43.13%
	Overhead - Schedule A								
704	Operating supplies	$ 344,807	$ 1,034	$ 343,773	5,8,9	$ 28,811		$ 314,962	
705	Repairs - equipment	237,019	-	237,019	5	19,864		217,155	
706	Insurance expense	2,347,898	-	2,347,898	4	618,756		1,729,142	
711	Rent	7,960,834	-	7,960,834	5	667,174		7,293,660	
	Depreciation:								
714	Furniture and fixtures	221,302	-	221,302	5	18,547		202,755	
716	Leasehold improvements	247,256	-	247,256	5	20,722		226,534	
717	Utilities	280,462	-	280,462	5	23,505		256,957	
718,720,780	Recruitment and help wanted	119,019	-	119,019	5	9,975		109,044	
719	Dues and subscriptions	454,489	41,358	413,131	4,9,10	108,875		304,256	
	Travel and entertainment expenses:								
721,728,781,788	Engineering	1,261,892	45,428	1,216,464	2,5	101,948		1,114,516	
722,782	Engineering	87,652	87,652	-	2	-		-	
723,783	Bd, B&P and training	948,730	85,766	862,964	2,5	227,422		635,542	
724,784	Business development	48,737	48,737	-	2	-		-	
730,790	Training	101	101	-	2	-		-	
725	Telephone	1,102,846	-	1,102,846	5	92,426		1,010,420	
726	Taxes and licenses	390,300	-	390,300	4	102,858		287,442	
727	Equipment rental	753,987	-	753,987	5	63,189		690,798	
902	Corporate support	3,481,834	20,278	3,461,556	2,3,4	912,245		2,549,311	
903	Shared office support	3,220,403	44,701	3,175,702	2,3,5	266,146		2,909,556	
	Indirect Labor:								
701,715,750	Administrative, qualifications, and information tech.	4,484,491	-	4,484,491	4	1,181,825		3,302,666	
731	Allowed time	1,001,552	-	1,001,552	4	263,945		737,607	
734,745	Training	328,236	-	328,236	4	86,502		241,734	
735	Bid and proposal	6,103,432	-	6,103,432	4	1,608,474		4,494,958	
702,703	Reproduction, cleaning	12,365	-	12,365	4	3,259		9,106	
738,740	Officers' salaries	7,267,401	-	7,267,401	4	1,915,222		5,352,179	
739	Officers' salaries - marketing	2,669,475	6,131	2,663,344	4,8	701,887		1,961,457	
840	Information technology	7,113,629	-	7,113,629	4	1,874,697		5,238,932	
742	Consulting fees	138,052	17,118	120,934	4,8	31,870		89,064	
743	Contributions	12,648	12,648	-	3	-		-	
737,741,744	Purchases - indirect projects	588,972	3,500	585,472	3,4	154,293		431,179	
748	Education, training and moving	36,045	-	36,045	4	9,499		26,546	
749	Loss on currency exchange	18,706	-	18,706	4	4,930		13,776	
760	Postage and overnight mail	84,670	-	84,670	4	22,314		62,356	
761	Reproduction and photocopying supplies	9,334	-	9,334	4	2,460		6,874	
	Total Schedule A	53,378,576	414,452	52,964,124		11,143,640	64.20%	41,820,484	86.22%
	General and Administrative - Schedule B								
899	Management services	15,677,416	2,429,371	13,248,045	7				
239	State income tax expense	842,011	-	842,011					
901	Interest expense (income)	(83,053)	(83,053)	-	6				
	Total Schedule B	16,436,374	2,346,318	14,090,056	4	3,713,237	21.39%	10,376,819	21.39%
	Total Overhead	69,814,950	2,760,770	67,054,180		14,856,877	85.59%	52,197,303	107.61%
	Total Burden, Fringe and Overhead	98,465,855	3,002,754	95,463,101		22,343,651	128.72%	73,119,450	150.74%
	Facilities Capital Cost of Money ("FCCM")	-	(111,716)	111,716	11	9,363	0.05%	102,353	0.21%
	Total Burden, Fringe, Overhead and FCCM	$ 98,465,855	$ 2,891,038	$ 95,574,817		$ 22,353,014	128.77%	$ 73,221,803	150.95%

The accompanying notes are an integral part of this consolidated schedule.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
ALBANY, N.Y. 12232
www.dot.ny.gov

JOAN MCDONALD
COMMISSIONER

ANDREW M. CUOMO
GOVERNOR

June 19, 2014

Mr./Ms. Jittendra Hirani
HIRANI ENGINEERING & LAND SURVEYING, PC
30 Jericho Executive Plaza
Suite 200C
Jericho, New York 11753

Dear Mr./Ms. Hirani,

Re: Overhead Billing Rate - FYE - 12/31/2012

We recently received current overhead information based on a review of the CONR 385 submitted for FYE - 12/31/2012.

Based on that information, provisional overhead rates have been approved. The Office overhead rate is 170% and the Field overhead rate is 110%. If these rates are lower than or equal to the "NOT TO EXCEED" overhead rates established in a contract with New York State Department of Transportation, you may use these provisional rates for billing purposes, for the referenced period, and for future periods, until superseded by rates established by preaward audit, post audit or until CONR 385 billing rates are issued for a subsequent period. Please review the overhead rates indicated in the Consultant Selection System (CSS) for the current applicable overhead rates for price forwarding.

These submitted rates have not been audited and no audit assurances are provided. This letter is intended for your use, the use of the department and the prime consultants you may be working with in connection with department agreements.

The provisional overhead billing rates are subject to the post audit prior to final payment for completed work.

Sincerely,

for William A. Howe
Director, Office of Contract Management

WH: SMB

MULTIPLIER – KS ENGINEERS, P.C.

KS Engineers, P.C.
Multiplier: Overhead and Fee Summary

Location	Direct Labor	Fringe	Subtotal	G&A	Subtotal	Profit	Total Multiplier
Home Office	1.0	44.4%	1.444	73.8%	2.182	10%	2.40
PA Office / Field	1.0	44.4%	1.444	46.51%	1.909	10%	2.10

KS ENGINEERS, P.C.
PROFESSIONAL A& E PRACTICE
SCHEDULE OF BURDEN, FRINGE AND OVERHEAD EXPENSES
INDIRECT EXPENSE RATES
FOR THE YEAR ENDED DECEMBER 31, 2013

BASE/ELEMENT OF EXPENSE	PER GENERAL LEDGER	FAR DISALLOWANCE	FAR REFERENCE	FAR ALLOWABLE COSTS	ALLOCATION TO FIELD	FIELD ALLOCATION METHOD	ALLOCATION TO OFFICE
DIRECT LABOR	$ 9,336,516	$ 154,089	premium time	$ 9,182,427	$ 4,537,966		$ 4,644,461
	100.0%			100.0%	49.4%		50.6%
BURDEN AND FRINGE COSTS							
COMPENSATED ABSENCE	1,493,489			1,493,489			
PAYROLL TAXES	1,306,720			1,305,720			
BONUS	58,400			58,400			
401K	199,675			199,675			
GROUP INSURANCE	1,014,296			1,014,296			
EMPLOYEE BENEFITS	5,000			5,000			
TOTAL FRINGE COSTS	$ 4,076,779			$ 4,076,779	$ 2,014,749		$ 2,062,030
FRINGE RATE	43.7%			44.4%	44.4%		44.4%
OVERHEAD							
OFFICER SALARY	386,800			386,800	191,157	A	195,643
INDIRECT SALARIES	3,559,201			3,559,201	1,758,961	A	1,800,240
INDIRECT SALARIES - FIELD DIV17%	728,993			728,993	291,597	C	437,396
INSURANCE	337,161			337,161	166,625	A	170,536
TRAVEL AND MEALS	98,760	52,144	31.201-3, 4, 31.202, 31.205-1, 13, 14, 5	46,616	23,038	A	23,578
RENT	813,896	276,791	31.205-36	537,105	134,276	B	402,829
OFFICE SUPPLIES	76,766	17,032	31 205-1, 14, 51	59,735	14,934	B	44,801
DEPRECIATION	59,462			59,462	14,866	B	44,597
TELEPHONE & UTILITIES	156,554			156,554	39,138	B	117,415
BANK CHARGES	11,743	1,651	31.205-20	10,092	4,988	A	5,105
DUES AND PUBLICATIONS	30,149	8,636	31.201-4, 31.205-1, 22, 43	30,512	7,628	B	22,884
PAYROLL PROCESSING FEE	30,236			30,236	14,943	A	15,293
PROFESSIONAL FEES	769,129	3,458	31.201-3, 31.205-3, 20, 22	765,671	378,396	A	387,276
AUTO EXPENSES	334,702	172,875	31.201-3, 31.202, 31.205-6 (m)	161,827	79,975	A	81,852
TAXES	41,992	31,562	31.205-41	10,430	5,155	A	5,275
EQUIPMENT LEASES	61,681			61,881	15,470	B	46,411
SECURITY	3,314			3,314	1,638	A	1,676
COMPUTER EXPENSE	74,694			74,694	18,674	B	56,021
SUPPLIES	50,722			50,722	25,067	A	25,655
RECRUITMENT	33,892	1,382	31.201-4	32,510	16,066	A	16,443
REPRODUCTION AND PHOTO	15,888			15,888	3,972	B	11,916
REPAIRS AND MAINTENANCE	24,639			24,639	6,160	B	18,479
SEMINARS AND EDUCATION	89,448	1,930	31.205-1	87,518	43,251	A	44,267
POSTAGE AND DELIVERY	23,930			23,930	5,983	B	17,948
ADVERTISING	8,535	8,535	31.205-1	-	-	A	-
CONTRIBUTIONS	9,440	9,440	31.205-8	-	-	A	-
POLITICAL CONTRIBUTIONS	8,331	8,331	31.205-22	-	-	A	-
PENALTIES	36	36	31.205-15	-	-	A	-
INTEREST	59,516	59,516	31.205-20	-	-	A	-
TOTAL OVERHEAD COSTS	$ 7,908,810	$ 653,318		$ 7,255,491	$ 3,261,957		$ 3,993,535
OVERHEAD RATE	84.7%			79.0%	71.9%		86.0%
TOTAL BURDEN, FRINGE AND OVERHEAD COSTS	$ 11,985,589	$ 653,318		$ 11,332,271	$ 5,276,706		$ 6,055,565
OVERHEAD RATE	128.4%			123.4%	116.3%		130.4%

ALLOCATION METHOD CODES

A - 49.6% $ 4,537,966 FIELD LABOR
$ 9,182,427 TOTAL DIRECT LABOR

B - 25%

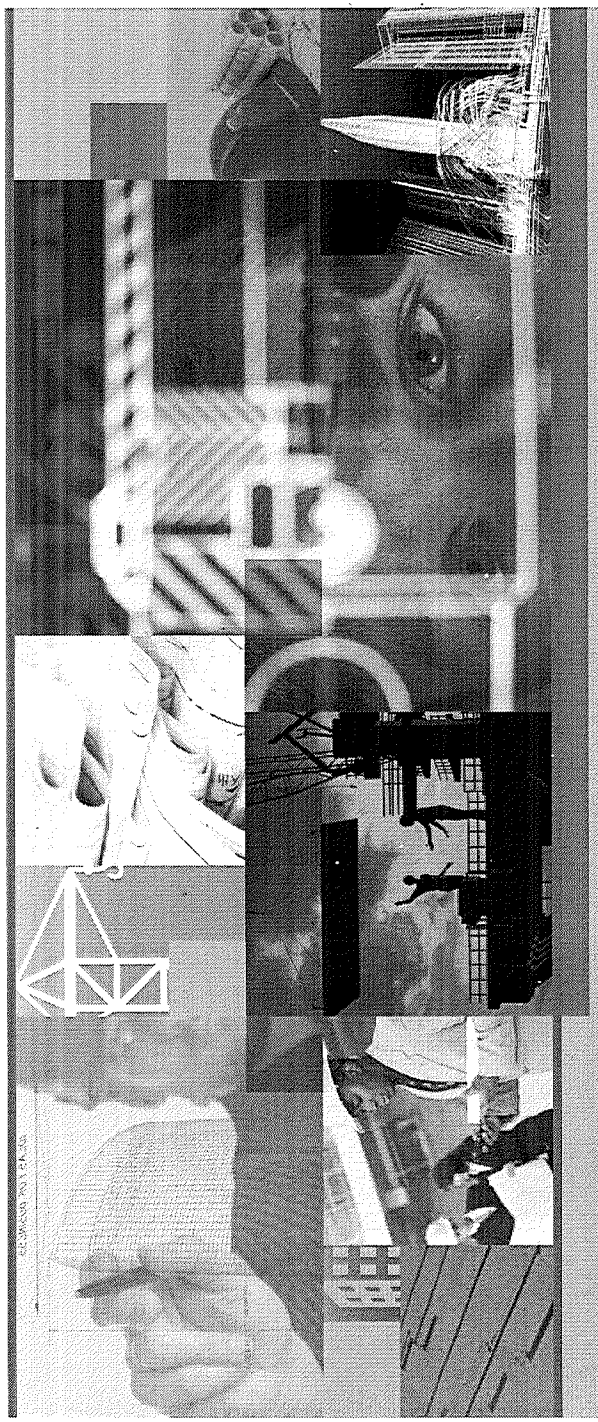
C - 40%

BILLET, FEIT AND PREIS, P. C.

Prepared in compliance with the Federal Acquisition Regulations (FAR), Subpart 31.2

JPCL Engineering
OVERHEAD SCHEDULE
FOR THE YEAR 2013

Acct. No.	Account Name	Amount Per G/L	Adjustments	As Adjusted
6100	Indirect Salaries & Wages	$ 222,971.25		$ 222,971.25
6200	Advertising and Promotion	$ 1,557.57		$ 1,557.57
6220	Automobile Expense	$ 19,206.11	$ (5,761.83)	$ 13,444.28
6240	Auto Lease	$ 11,087.30		$ 11,087.30
6240	Bad Debts	$ 3,933.96		$ 3,933.96
6280	Bank Service Charges	$ 345.00		$ 345.00
6300	Business Licenses and Permits	$ 1,404.73		$ 1,404.73
6320	Charitable Contributions	$ 4,350.00	$ (4,350.00)	$ -
6340	Computer and Internet Expenses	$ 2,294.66		$ 2,294.66
6360	Conference & Seminars	$ 400.00		$ 400.00
6380	Continuing Education & Training	$ 2,024.00		$ 2,024.00
6420	Dues and Subscriptions	$ 4,012.31		$ 4,012.31
6450	Employee Gifts	$ 1,011.80		$ 1,011.80
6500	Insurance Expense	$ 21,584.52		$ 21,584.52
6600	Interest & Penalty	$ 1,669.39		$ 1,669.39
6660	Office Supplies	$ 5,939.92		$ 5,939.92
6680	Outside Services	$ 800.00		$ 800.00
6700	Payroll Processing Fees	$ 684.00		$ 684.00
6740	Shipping and Delivery	$ 2,249.30		$ 2,249.30
6800	Legal & Professional Fees	$ 34,792.50		$ 34,792.50
6900	Rent Expense	$ 59,725.63		$ 59,725.63
6920	Repairs and Maintenance	$ 251.35		$ 251.35
6940	Small Eqpt Rental / Purchases	$ 3,454.04		$ 3,454.04
7000	Payroll Taxes	$ 33,478.88		$ 33,478.88
7120	Meals & Entertainment	$ 4,021.02	$ (4,021.02)	$ -
7130	Travel	$ 13,701.45		$ 13,701.45
7210	Telephone	$ 3,373.72		$ 3,373.72
7220	Gas & Electric	$ 8,621.71		$ 8,621.71
	Total Indirect Cost	**$ 468,946.12**		**$ 454,813.27**
5100	Direct Labor	$ 262,357.45		$ 262,357.45
5220	Direct Expenses-Subcontracted Services	$ 45,449.90		$ 45,449.90
	Total Direct Cost	**$ 307,807.35**		**$ 307,807.35**
	Overhead Rate			**147.76%**



E. PERSONNEL

THE PORT AUTHORITY OF NY & NJ

Team Organization

To respond to the specific needs of this on-call contract, STV has carefully selected a team based on their technical expertise and exceptional performance on past similar projects. The team we have assembled has significant relevant experience, an in-depth understanding of PANYNJ, the proven project leadership to successfully complete multiple concurrent assignments, and a long history of working together on task-order assignments. The chart on the following page depicts the organization of our team.

Team Qualifications

Following the organization chart, is a chart listing the experience of our key personnel by years, certificates, and facility type.

Resumes

Detailed resumes of key personnel on the STV team are provided following this section. Additional resumes can be provided upon request.

Legend:

JPCL - JPCL Engineering (DBE)
KSE - KS Engineers, PC (MBE)
ELL - ELLANA Construction Consultants Inc. (WBE)
HIR - The Hirani Group (MBE)
Resumes are provided for Key Staff
(names are highlighted in blue)

THE PORT AUTHORITY OF NY & NJ

Principal-in-Charge
Robert Barbera, PE

Project Director
Gus Maimis, LEED® AP BD+C

QA/QC
David Cooksley, CQA

Practice Leaders

Airports
Ken Champion

Rail Transit
Anthony Cracchiolo, PE

Bridges & Tunnels
Samuel Scozzari, PE

CM/Inspection Resources

Senior Project Managers
Thomas Colombo
Bruce Fox, PE
Julie Valerio, LEED® AP
Jon Frascatore
Philip Amicone, PE
Paul Sacco, PE, LEED® Green Associate
Jack Anserian, PE, PMP, LEED® AP BD+C
Michael Colban, RA
Matthew Nolty

Project Managers
Sassan Manii
Thales Savas
William King
Stephen Walsh
Robert Karabin, LEED® Green Associate, CCM, PMP
Jeanny Cheung
Bruce Desiderio
Celeste Evans
Diego Alaimo, PE (KSE)
George Broberg, PE, PP (KSE)
Harvey Moutal, PE (KSE)

Assistant Project Managers
Annette Bombarger
Eugene McCrohan
Jake Kofman
Deborah Addison
Ross Krause
Ryan Kelly, LEED® AP BD+C
Jacquelyn Mascoli

Senior Superintendents
Salvatore Coladonato
Anthony Zaccoli

Superintendents
Richard St. Cyr
Peter Eubank
Kevin Fitzgerald
Kenneth Baumgarten
Bohdan Matychak

Senior MEP Manager
Robert Dries

MEP Project Managers
James Joinnides, PE, LEED® AP
Anthony Franzese
Syed Farooq

Senior MEP Inspector
John Bert (HIR)

Environmental Senior Project Manager
Patricia Zander, PE, PMP, LEED® AP BD+C

Resident Engineers
Steven Prest, PE
Ruwan Rajapakse, PE, AVS
Ruben Ciocci, PE
Susan Wong, PE
Hemant Pereira, PE
Marco Maiorano, PE
Raymond Cholewka, PE (KSE)
Carl Ortmann, PE (KSE)
Scott Plant, PE (KSE)
Stephen Bombero Jr., PE
George Cooper Jr., PE
David Breza, PE
Lawrence O'Rourke, PE, ASCE IV (KSE)
Attef Farag, PE (KSE)

Assistant Resident Engineers
Stephanie Dreher
Michael Roncevic
Laura Tornatore
Joseph Zaleski, NICET III
Robert Vaz, NICET IV
Thomas Motyka, NICET IV
Gregg Stark, NICET IV
Andrew Sloan
Timothy Taylor
Eliz Pico

Senior Inspectors
Charles Young
Jamal Ismail
Ricardo DePaoli
Zaher Saliby
Abdul Ranginwala, NICET III
Alex Shell, NICET
John Mangione, NICET II
Valter Cilka, NICET III
Reynaldo Libunao, NICET (KSE)
Kwesi Amegah (KSE)
Sajid Hilal
Andy Lin, NICET CET 1-IV
James Herrmann
Anwar Abdullah (HIR)
Fayyaz Ali Khan, PE, LEED® AP (JPCL)

Inspectors
Lauren Griffis
Brian Malt (JPCL)
Earl Brockenberry (JPCL)
Marc Mancini
Kevin Leavy
Omar Al-Alrawi
Meghan McDevitt
Gizem Ornektekin
Michael Cafiero
Syed Imaran Ali (KSE)
Andrew Garcia (HIR)

Senior Structural Inspector
Bernard Oles, PE (JPCL)
Alexander Zajac, PE (HIR)

Civil Engineers
Joseph Perricelli, PE (HIR)
Gijo Varghese, PE (HIR)
Ihab Alee (JPCL)

Geotechnical Engineer
Eugene Marciano, PE, PhD (KSE)

Construction Inspectors
Ahmed Husain Zubair (KSE)
Zory Deresh (KSE)
Sheldon Williams (KSE)
Rochelle Lancey (KSE)
Leonid Sigal, NICET III (HIR)
Charles Butler (HIR)

Electrical Inspectors
Edward McManus, NICET I (KSE)
Steve Mar (KSE)
Vitaliy Bykov (KSE)

ACI Concrete Inspectors
Tony Chanderjeet (JPCL)
Fred Koomson (KSE)

Project Controls

Senior Estimator
Frederique Napiorski
Henry Chin, RA (ELL)

MEP Estimators
John Solano, CCE
Alexander Sinayuk
Yelena Kravchuk (ELL)

Schedulers
Nicholas Rollizo
Rohit Ahuja (ELL)

Senior Contract Administrator
Mary McDonald, LEED® AP BD+C

Senior Contract Specialist
Yvonne Dennis

Contract Specialists
Dennis Abbate
Anthony Boyd
Davinder Kaur
Lisa Canton (KSE)
Christine Stanton (KSE)
Judy Alleyne
Ashley Karp
Sharon Garrison-Toye
Claudette Dempster

Office Engineers
Venestina Cuevas
Sandeep Vaidya, NICET III
Nony Constantino, NICET III

Company	Name	Title	Years of Experience	Relevant Licenses & Certifications	Airports	Bridges & Tunnels	Rail Transit	Marine	Tri-State Area Experience	Architects/Engineers Licensed in NY and/or NJ	ACI Concrete Construction Special Inspector	ICC Certified as Structural Steel & Bolting Inspector	NACE Level 1 Coating Certified
STV	Gus Maimis LEED® AP BD+C	Project Director	32	LEED Green Associate	●	●			●				
STV	Robert Barbera, PE	Principal-in-Charge	30					●	●	●			
STV	David Cooksley,CQA	QA/QC Manager	29	Certified Quality Auditor (CQA); American Society for Quality (ASQ) (2011/#42268)				●	●				
STV	Ken Champion	Task Leader - Airports	36		●			●	●				
STV	Sam Scozzari, PE	Task Leader - Bridges & Tunnels	29	OSHA 10-hour Construction Safety		●		●	●	●			
STV	Anthony Cracchiolo, PE	Task Leader - Rail Transit	48		●	●	●		●	●			
STV	Thomas Colombo	Senior Project Manager	36	OSHA 10-hour				●	●				
STV	Bruce Fox, PE	Senior Project Manager	38						●	●			
STV	Julie Valerio, LEED® AP	Senior Project Manager	32	LEED Accredited Professional (AP)					●				
STV	Sassan Manii	Project Manager	29	Supported Scaffold User Certificate; New York City Department of Buildings (NYCDOB) OSHA 30-hour Construction Safety and Health Training (exp. 9/28/17)					●				
STV	Thales Savas	Project Manager	30	Track Site Safety; Amtrak (2005); OSHA 4-hour Confined Space Training		●			●				
STV	William King	Project Manager	33			●	●		●				
STV	Annette Bombarger	Assistant Project Manager	15	OSHA 30-hour					●				
STV	Eugene McCrohan	Assistant Project Manager	15	10-Hour Construction Safety Outreach, Occupational Safety and Health Administration (OSHA); 30-Hour Construction Safety Outreach, Occupational Safety and Health Administration (OSHA)			●		●				
STV	Jake Kofman	Assistant Project Manager	18	OSHA 10-hour Construction Safety and Health Training; OSHA 30-hour Construction Safety and Health Training; Asbestos Handling		●			●				
STV	Deborah Addison	Assistant Project Manager	11	OSHA 10-hour; OSHA 7-hour Site Safety; OSHA 4-hour Scaffold Safety					●				
STV	Salvatore Coladonato	Senior Superintendent	36	Certified UBC Fire Stopping/Safing; New York City Department of Buildings - 4-hour Supported Scaffold - User; Certified Commercial/ Residential Building Inspector; OSHA 10-hour Construction Safety & Health; OSHA 30-hour					●				
STV	Richard St. Cyr	Superintendent	25	OSHA 10-hour	●				●				
STV	Peter Eubank	Superintendent	27	Site Safety Manager Certificate; New York City Department of Buildings (NYCDOB); Suspended Scaffold Training Certificate, NYCDOB; OSHA 10-hour; OSHA 4-hour Fall Protection; OSHA 30-hour Construction Safety Recertification					●				
STV	Robert Dries	Senior MEP Manager	38	Factory Certified Training; Siemens Environmental Building Automation, Factory Certified Training; Zenith Power Systems, Factory Certified Training; ASCO Switch GearFactory Certified Training; Allerton Controls, Factory Certified Training; Echelon DDC Controllers, Factory Certified Training; Governair Air Handling Units	●		●		●				

Company	Name	Title	Years of Experience	Relevant Licenses & Certifications	Airports	Bridges & Tunnels	Rail Transit	Marine	Tri-State Area Experience	Architects/Engineers Licensed in NY and/or NJ	ACI Concrete Construction Special Inspector	ICC Certified as Structural Steel & Bolting Inspector	NYCDEP Level 1 Coating Certified
STV	Patricia Zander, PE, PMP, LEED AP BD+C	Environmental Senior Project Manager	18	Project Management Professional LEED Accredited Professional (AP)	●	●	●		●	●			
STV	Steven Prest, PE	Resident Engineer	35		●	●	●		●				
STV	Ruwan Rajapakse, PE, AVS	Resident Engineer	17	Associate Value Specialist (AVS); SAVE International (# 200709003); New York City 40-hour Site Safety Manager Certification		●	●		●	●			
STV	Ruben Ciocci, PE	Resident Engineer	22	OSHA 40-Hour HAZWOPER Health and Safety; OSHA 10-Hour Construction Health and Safety;Rutgers Traffic Control		●	●		●				
STV	Susan Wong, PE	Resident Engineer	33	OSHA 30-hour Construction Safety; OSHA 10-hour Construction Safety and Health	●	●	●		●	●		●	
STV	Hemant Pereira, PE	Resident Engineer	23	OSHA 10-hour Safety Training			●		●	●			
STV	Marco Maiorano, PE	Resident Engineer	17	OSHA 10-hour Safety Training	●	●	●		●	●			
STV	Stephanie Dreher	Assistant Resident Engineer	6	OSHA 10-hour Safety					●				
STV	Michael Roncevic	Assistant Resident Engineer	6	OSHA 10-hour Construction Safety and Health		●	●		●				
STV	Laura Tornatore	Assistant Resident Engineer	4						●				
STV	Charles Young	Senior Inspector	35	OSHA 4-hour Supported Scaffolds User Certificate; OSHA Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Certificate; OSHA 10-hour Construction Safety and Health	●	●	●		●				
STV	Jamal Ismail	Senior Inspector	29	OSHA 10-hour Construction Safety Course; New Jersey Traffic Control Coordinator Course; New Jersey Department of Transportation (NJDOT)		●	●		●				
STV	Ricardo Depaoli	Senior Inspector	18	OSHA 10-hour Construction Safety and Health Certification; OSHA 30-Hour Construction Safety and Health Certification					●				
STV	Zaher Saliby	Senior Inspector	26	OSHA 10-hour Training; Nuclear Moisture/Density Equipment Training; New York State Department of Transportation (NYSDOT); Site Manager Training Course; NYSDOT		●	●		●		●		
STV	Abdul Ranginwala, NICET III	Senior Inspector	29	Transportation Engineering Technology, Highway Construction, Level III; National Institute for Certification in Engineering Technologies		●	●		●				
STV	Alex Shell, NICET	Senior Inspector	21	NICET Level II Highway Construction		●			●				
STV	John Mangione, NICET II	Senior Inspector	11	NICET Level II Highway Construction		●	●		●		●		
STV	Valter Cilka, NICET III	Senior Inspector	43	National Institute for Certification in Engineering Technologies (NICET) Level III			●	●	●		●		
STV	Lauren Griffis	Inspector	3										
STV	Frederique Napiorski	Senior Estimator	32						●				
STV	John Solano, CCP	MEP Estimator	42	OSHA 10-hour Construction Health and Safety Training					●				
STV	Alexander Sinayuk	MEP Estimator	36	OSHA 10-hour	●		●		●				
STV	Nicholas Rollizo	Scheduler	7	OSHA 30-hour Construction Health and Safety		●	●		●				
STV	Yvonne Dennis	Senior Contract Specialist	46				●		●				

Company	Name	Title	Years of Experience	Relevant Licenses & Certifications	Airports	Bridges & Tunnels	Rail Transit	Marine	Tri-State Area Experience	Architects/Engineers Licensed in NY and/or NJ	ACI Concrete Construction Special Inspector	IAS Certified as Structural Steel & Bolting Inspector	NACE Level 1 Coating Certified
STV	Dennis Abbate	Contract Specialist	15						●				
STV	Anthony Boyd	Contract Specialist	16	OSHA 40-hour Site Safety Manager; OSHA 30-hour; OSHA 10-hour					●				
STV	Davinder Kaur	Contract Specialist	12	OSHA 10-hour			●		●				
STV	Venestina Cuevas	Office Engineer	12	Construction Management Certificate; CCNY		●			●				
STV	Sandeep Vaidya, NICET III	Office Engineer	8	Level III Heavy Highway Construction		●	●		●				●
STV	Nony Constantino, NICET III	Office Engineer	37	OSHA 10-hour Safety Training.Certification in Engineering		●	●		●				
KSE	Diego Alaimo, PE	Project Manager	40						●	●			
KSE	George Broberg, PE, PP	Project Manager	44			●			●	●			
KSE	Harvey Moutal, PE	Project Manager	40						●	●			
KSE	Raymond Cholewka, PE	Resident Engineer - Structural Engineering	45	Professional Engineer - NY, NJ, CT	●	●	●		●	●			●
KSE	Carl Ortmann, PE	Resident Engineer - Structural Engineering	25	OSHA 30-hour Construction Safety; Construction Safety and Health	●	●	●		●				
KSE	Scott Plant, PE	Resident Engineer - Structural Engineering	26	MTA New York City Track Safety Certification					●	●	●		
KSE	Lawrence O'Rourke, PE, ASCE IV	Resident Engineer	46				●		●				
KSE	Attef Farag, PE	Resident Engineer - Civil Engineer	23						●	●			
KSE	Reynaldo Libunao, NICET	Senior Inspector - Electrical	18	NICET Certified Commercial Electrical Inspector,10-hour OSHA Construction Safety and Health					●				
KSE	Kwesi Amegah	Senior Inspector	29	Bridge Inspection course: New York state department of Transportation				●	●		●		
KSE	Syed Imran Ali	Inspector	29	NACE CIP Level 1; NACE CIP Level 2			●		●		●		●
KSE	Eugene Marciano, PE, PhD	Senior Geotechnical Engineer		Professional Engineer- NY (#0787290)			●		●	●			
KSE	Ahmed Husain Zubair	Construction Inspector	17	OSHA 500 - Training Course		●		●	●				●
KSE	Zory Deresh	Construction Inspector	33	10-hour OSHA,Ultasonic Inspection					●		●		
KSE	Sheldon Williams	Construction Inspector - Painting and Structural	10	AWS-CWI#0840301; *NACE CIP Level 1, Level 2 #28380		●			●				●
KSE	Edward McManus, NICET	Electrical Inspector	26	NICET Level I		●	●		●		●		
KSE	Steve Mar	Electrical Inspector	30	Con Edison High Tension					●				
KSE	Vitality Bykov	Inspector Electrical	20	MTA NYC Transit Track safety Certification			●		●				
KSE	Fred Koomson	Inspector - ACI Concrete Construction	35						●		●		
KSE	Lisa Canton	Contract Specialist	24				●		●				
KSE	Christine Stanton	Contract Specialist	14						●				

Company	Name	Title	Years of Experience	Relevant Licenses & Certifications	Airports	Bridges & Tunnels	Rail Transit	Marine	Tri-State Area Experience	Architects/Engineers Licensed in NY and/or NJ	ACI Concrete Construction Special Inspector	IAS Certified as Structural Steel & Bolting Inspector	NACE Level 1 Coating Certified
HIRANI	John Bert	Senior MEP Inspector	45	OSHA Certification (Construction Safety and Health)									
HIRANI	Joseph Perricelli, PE	Civil Engineer	44	Professional Engineer: New York									
HIRANI	Gijo Varghese, PE	Civil Engineer	7	Professional Engineer: New York; OSHA Training; Trenchless Pipe Installation & Pipe assessment and Rehabilitation									
HIRANI	Leonid Sigal, NICET III	Construction Inspector	13	NICET II – Highway Construction; ACI Field Testing Technician Certified; Certificate in Computer Systems, Globe Institute of Technology									
HIRANI	Charles Butler	Construction Inspector	23	TRACK EIC Certified; Roadway Worker Protection Certified; S.W.A.C. Certified									
JPCL	Brian Malt	Inspector - Structural Steel and Bolting	20			●			●			●	
JPCL	Earl Brockenberry	Inspector - Coatings	30						●				●
JPCL	Tony Chanderjeet	Inspector - ACI Concrete Construction	10	MTA Approved Inspector, OSHA 10-hour, DEP Approved			●				●		
ELLANA	Rohit Ahuja	Scheduler	20	PMI									

Gus Maimis, LEED® AP BD+C

PROJECT DIRECTOR

Mr. Maimis, a project executive and vice president of STV Construction, Inc., has more than 30 years of experience in the construction industry successfully executing and completing projects for commercial office buildings, transportation centers, higher education campuses, hospitals, and multi-tenant housing. As principal of his own construction management firm for 10-plus years, he provided business development, coordinated client relations, and provided executive direction for multiple projects throughout the New York metropolitan area. Mr. Maimis' extensive knowledge of the industry makes him an invaluable resource to project teams and clients. Mr. Maimis also played an instrumental oversight role for the National September 11 Memorial & Museum, a significant part of the redevelopment of the World Trade Center (WTC) site.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
32

EDUCATION
MASTER OF BUSINESS ADMINISTRATION; CORNELL UNIVERSITY

BACHELOR OF SCIENCE, CIVIL ENGINEERING; POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY

CERTIFICATIONS
LEED GREEN ASSOCIATE

OSHA 10-HOUR SAFETY AND HEALTH TRAINING

Project Experience

PANYNJ National September 11 Memorial & Museum - Project Executive

Directing the construction of the National September 11 Memorial & Museum in Lower Manhattan as part of STV's services as program manager and owner's representative on behalf of the PANYNJ. The 8-acre memorial park features two recessed square pools in the footprints of the Twin Towers, which are surrounded by a stone wall listing the names of the nearly 3,000 people who died in the September 11th attacks in New York City, Washington, D.C., and Pennsylvania, as well as the victims of the February 1993 bombing at the WTC. When completed, a 3-story pavilion will provide access to an underground museum that will offer visitors an opportunity to view artifacts from the WTC site while descending toward bedrock, where they can view the slurry wall and exposed footings that supported the original towers. Mr. Maimis is responsible for the oversight and management of all construction activities for this prestigious project, including the preconstruction phase, bid and procurement process, scheduling, and project finance. Active construction projects on the site include One World Trade Center, the WTC Central Chiller Plant, the WTC Transportation Hub (which is directly underneath a substantial area of the Museum), and the WTC Vehicle Security Center. Each of these projects employs separate design teams and contractors, which requires immense effort by Mr. Maimis and his team to ensure that each stakeholder's design details and construction logistics are analyzed and coordinated to meet scheduled milestones, such as the opening of the Memorial on September 11, 2011. Challenges include thousands of steel and concrete connections (as well as loads imposed on structures) between stakeholders; steam, power, water, sewer, fire standpipe, chilled water, and sprinkler connections from outside agencies as well as connections of shared systems between stakeholders; and waterproofing connections and expansion joint details at project interfaces. Coordination issues also include shared use of cranes and construction equipment among stakeholder to optimize the tight logistical demands; shared use between stakeholders of the limited access and delivery points for construction materials; design and construction of multiple mechanical intake and exhaust ducts among stakeholders; and design and installation of sleeves, conduits, duct opening, anchor bolts, and fireproofing/fire stopping in adjacent stakeholders' work for use by the memorial and museum. Both the memorial and museum are seeking LEED Gold certification.

Columbia University Term Consultant for Cost Estimating and Change Order Review - Senior Associate

Leading STV's efforts in providing preconstruction consulting services to Columbia University for various project start-ups, as well as assisting in providing estimates used for change order review and negotiations with the subcontractors. Projects involve mechanical upgrades,

renovations to numerous laboratories as well as classroom and meeting areas. Mr. Maimis is responsible for managing the STV staff and associated resources for the delivery of the project requirements to the client's expectations.

NYIT NYCOM Renovations - Project Executive
Responsible for the renovation and upgrades to various classroom, lecture hall, and laboratory renovations for the New York College of Osteopathic Medicine (NYCOM) at the New York Institute of Technology (NYIT) in Old Westbury, NY. Mr. Maimis was responsible for staffing, cost control, client coordination, quality assurance/quality control, and scheduling.

New York University Renovations - Project Executive
Guided several renovations for New York University in Manhattan. Mr. Maimis was responsible for the multimillion-dollar conversion of a building to a state-of-the-art data center and office space. He managed renovations for laboratories, theater and lecture hall spaces, student and faculty areas, two libraries, and lobby areas. He was responsible for staffing, cost control, client coordination, QA/QC, and scheduling.

CUCF Requirements Contract - Project Executive
Overseeing a 3-year requirements contract to provide architectural and engineering design, as well as construction and construction management services, for the City University Construction Fund (CUCF). The first task is the $4.25 million design-build conversion of nearly 5,000 sf of physics and astronomy laboratories into five biology laboratories with new casework and fume hoods for Queens College in Queens, NY, one of the City University of New York (CUNY)'s largest senior colleges. Mr. Maimis is overseeing the architectural and engineering design and leading the bidding process. He is guiding the coordination with contractors to develop a baseline schedule and workable phasing plans, and will supervise the construction management services.

NYU Langone Medical Center Hurricane Sandy Recovery - Project Executive
Overseeing a team of six project managers and superintendents to provide the necessary staffing and resources for recovery efforts to bring the New York University (NYU) Langone Medical Center in Manhattan back to full operations, after being crippled by flooding from Hurricane Sandy. Mr. Maimis is supervising cost control and estimation for restoration of the 705-bed Tisch Hospital and numerous repairs and capital improvements to the Smilow, Public Health, and Skirball buildings, as well as various outpatient sites. He is guiding the project management of several related projects in different stages of design and construction and coordinating multiple stakeholders, consultants, and contracts. The firm's overall responsibilities encompass program reporting and quality, cost, and document control.

Columbia University Medical Center Change Order Review - Senior Associate
Supervising a review of the change orders and scheduling for the relocation of the Columbia Doctors Midtown office for Columbia University Medical Center in Manhattan. The $23 million project scope encompasses the fit-out of a 30,000-sf administrative and examination space. STV is assisting in the change order negotiation process, by delivering independent estimates to assist in the close-out settlement with the construction manager and the subcontractors. Mr. Maimis is ensuring that the Medical Center's interests are represented by overseeing a thorough review of the numerous proposed change orders so as to confirm their anticipated value.

Robert F. Barbera, P.E.

PRINCIPAL-IN-CHARGE

Mr. Barbera has 30 years of experience in the construction industry, providing a strong institutional background, along with a focus on project controls, estimating, and preconstruction services, including design review, constructability review, and risk management. He has ultimate responsibility for the direction of business development teams, oversight of construction staff in the execution of work, and management of everyday risk issues associated with operations. Specifically, Mr. Barbera has monitored the 10-person program management team facilitating the rehabilitation of NYCHA facilities to aid the recovery from damage caused by Hurricane Sandy, under a capital improvement program that could exceed $1 billion. He has held executive-level positions at major construction entities in the tri-state region, including leading an interiors "at-risk" division, and operating as general manager. In the past decade, many of Mr. Barbera's efforts have focused on directing territories and divisions throughout the various disciplines within the construction industry in the New York/ New Jersey metropolitan area.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
30

EDUCATION
BACHELOR OF SCIENCE, MECHANICAL ENGINEERING; SUNY AT BUFFALO

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

Project Experience

NYCHA Hurricane Sandy Program Management - Principal-in-Charge

Monitoring a 10-person program management team performing as an extension to NYCHA's Capital Projects Division (CPD), for the recovery of NYCHA facilities that sustained flooding, sand and saltwater infiltration, and wind damage due to Hurricane Sandy. The firm's work for the capital improvement program that could exceed $1 billion is focused on the 35 developments and maintenance facility in Brooklyn, Queens, and Manhattan that suffered moderate to severe damage, predominantly to their mechanical and electrical systems. An additional 180 developments are slated for roofing, façade, and other site restoration work. Mr. Barbera is holding overall responsibility for the team, which is working within HUD's public housing procurement regulations to oversee design, secure and manage construction managers and contractors, and perform a methodical, coordinated recovery effort.

NYCHA CM/Build Requirements Contracts - Principal-in-Charge

Overseeing the management of two construction management (CM)/build requirements contracts, totaling $230 million, with NYCHA for a variety of task-orders at public housing developments citywide. Mr. Barbera is responsible for projects that include structural repairs, masonry and brick work, asbestos abatement, and roof repairs for numerous housing complexes .

NYSOGS South Beach Psychiatric Center New Central Services Building Emergency Response & Delivery - Principal-in-Charge

Responsible for the construction management of a new 35,000-sf Central Services Building at the South Beach Psychiatric Center in Staten Island, NY, for NYSOGS. The $24 million facility will replace core functions that were in the basement of the existing Building 8/9 — including the kitchen, maintenance and warehouse facilities, the central generator, boilers, air handling systems, chillers, and main loading dock — that were affected by floodwaters from Hurricane Sandy. With an eye toward future storm events, the buildings will be raised some 20 feet above mean sea level and will be on piles.

NYCSCA Mentor Program Contract 3 CM Services - Principal-in-Charge

Providing executive-level oversight of the coordination of a $30 million program to increase minority, women-owned, and locally based enterprise participation in NYCSCA projects. Mr.

Barbera is overseeing the mentoring services the joint venture team is providing under a 3-year CM contract, including lessons to identify and meet business development needs; advice on acquiring small business loans and surety bonding; seminars on taxation; recommendations for procuring construction; and information technology training. Contractors are involved in renovations to existing NYCSCA buildings, including façade restorations and upgrades required for code compliance. The scope of projects included the installation of HVAC, plumbing, and electrical systems; equipment for boiler plants and science laboratories; window replacements; roofing; roof drains; and parapet walls.

CUCF Requirements Contract - Principal-in-Charge
Monitoring a 3-year requirements contract to provide architectural and engineering design, as well as construction and construction management services, for CUCF. The first task is the $4.25 million design-build conversion of nearly 5,000 sf of physics and astronomy laboratories into five biology laboratories with new casework and fume hoods for Queens College in Queens, NY, one of CUNY's largest senior colleges.

DASNY City Tech CM Task Order - Principal-in-Charge
Facilitating an extended task-order contract with DASNY to perform CM services for tasks to upgrade portions of New York City College of Technology (City Tech) campus buildings. Projects include exterior and interior renovations to Namm Hall, specifically the replacement of the exterior stone veneer of the building and installation of a state-of-the-art kitchen to serve the culinary arts program.

Rutgers University Livingston Dormitories Owner's Representative Assignment - Principal-in-Charge
Oversaw the construction team on behalf of Rutgers University in the construction of its new Livingston Campus Student Housing project. This $150 million project consisted of a 650,000-sf, 7-building complex to house 1,500 additional undergraduate students. Serving as an extension of staff, Mr. Barbera was responsible for monitoring all facets of construction activity of the general contractor, and reporting to the university's project management.

NJIT Warren Street Village - Principal-in-Charge
Oversaw the construction of a $65 million student housing facility for the New Jersey Institute of Technology (NJIT) in Newark, NJ. Mr. Barbera directed construction services for six buildings, five of which are 16,000-sf Greek fraternity and sorority residences. The sixth building is a 140,000-sf, 5-story structure to house the Honor's College on the second floor, and student dorms on floors three through six. The project is categorized as Phase I of the Newark Gateway Master Redevelopment.

Brookdale Hospital Center Major Modernization - Preconstruction Manager
Led planning efforts for this $40 million modernization of various programs and infrastructure upgrades for the Brookdale Hospital Center in Brooklyn, NY. Mr. Barbera started preconstruction with a comprehensive due-diligence prioritization of hospital needs and corresponding operational impacts. He defined the project scope which included new electrical service, power load-shedding and synchronization components, various mechanical infrastructure improvements, new hospital fire alarm system, new clinical laboratory overbuild atop the existing emergency department, various medical and surgery unit renovations, and other miscellaneous upgrades to the hospital's everyday functions.

David A. Cooksley, CQA

QA/QC MANAGER

Mr. Cooksley has more than 25 years of experience in the science and engineering communities as a project director, project manager, project engineer, construction manager, inspector, and quality assurance/quality control (QA/QC) implementor. As the QA/QC Manager for STV Incorporated's Construction Management (CM) Division, Mr. Cooksley develops, maintains and implements QA/QC policies and procedures, and provides guidance to project teams in the development of project-specific quality management tools. Mr. Cooksley has led all phases of projects, from initial proposal development and budgeting/scheduling, through implementation, project controls, quality audits, commissioning, and closeout. He is experienced in regulatory research and interpretation, both domestic and international. Mr. Cooksley also has a significant background in teaming with all levels of management and staff in industrial, commercial, institutional, and academic programs.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
29

EDUCATION
BACHELOR OF SCIENCE, ENVIRONMENTAL SCIENCE; BRADLEY UNIVERSITY

POST-GRADUATE CIVIL ENGINEERING STUDIES; VILLANOVA UNIVERSITY

CERTIFICATIONS
CERTIFIED QUALITY AUDITOR (CQA); AMERICAN SOCIETY FOR QUALITY (ASQ)

TRAINING
OSHA 40-HOUR HAZWOPER

MEMBERSHIPS
AMERICAN SOCIETY FOR QUALITY

Project Experience

NYCHA Johnson Houses Phase IIA and IIB Renovation CM - Quality Manager

Leading quality assurance and quality control (QA/QC) services for Phase II of NYCHA's renovations at the Johnson Houses complex in New York City. Mr. Cooksley is conducting quality audits and attending quality-related meetings with the project manager and owner. As part of this $60 million phase of the project, STV is managing a fast-track, 22-month schedule to complete masonry work, structural upgrades, asbestos abatement, kitchen and bathroom renovations in 662 occupied apartments, and modernization of 107 vacant apartments.

NYCHA Johnson Houses Renovation CM - QA/QC Manager

Oversaw quality assurance and quality control (QA/QC) services for preconstruction, construction, and post-construction services to mitigate long-term water damage at the Johnson Houses in Manhattan, under STV's construction management (CM)/build task-order contract with NYCHA. The scope of work for this $45.8 million project included major structural repairs to four of the buildings within the complex, as well as interior bathroom and kitchen renovations of 488 occupied apartments; renovations to 136 vacant apartments; hallway and stairwell upgrades; exterior brick repairs; and full roof replacement and asbestos abatement of four high-rise buildings, two off-set roofs, and two low-rise buildings totaling more than 40,000 sf. Mr. Cooksley attended quality-related meetings with the owner and project manager. He also performed a systematic quality audit that evaluated quality management, project implementation, QA/QC project coordination, document control, and project performance.

NYCSCA Mentor Program CM - QA/QC

Served on the NYCSCA Mentor Program Quality Assurance (QA) Committee and participated in monthly meetings to satisfy and augment the quality goals of the project. The mission of the program is to foster growth and increase the participation of minority and women-owned business enterprise (MBE/WBE) contractors and locally based enterprise (LBE) firms in New York City's construction community, by providing hands-on training during various school construction projects. The program will mentor, train, and graduate contractors so they will be able to successfully transition to the larger competitive construction environment and obtain financial resources and bonding while strategically planning for unionization.

Clayton BOE Additions and Renovations to the Clayton MS/HS and Herma Simmons ES - QA/QC
Assisted with the finalization and completion of the project manual and project quality control plan for the design, bidding, construction, and post-construction of public schools in Clayton, NJ. The $20 million project, for the Clayton Board of Education (BOE) included a 27,000-sf high school addition, a parking plaza with driveways and connector road; new dedicated entrances; baseball and softball fields; upgraded utilities; and a new storm water management basin. At the Simmons Elementary School, the project comprised the reconstruction of the bus loop driveway and parking areas; installation of new playground equipment and drainage improvements; the construction of an emergency generator and chiller; the installation of 80,000 sf of roofing; repairs to the exterior insulated finishing system; and building HVAC controls.

Westchester Community College Gateway Center CM - QA/QC Manager
Led quality assurance/quality control (QA/QC) services during the construction of the new 70,000-sf Gateway Center at Westchester Community College in Westchester, NY. The 3-story, V-shaped building includes classrooms, lecture halls, and an auditorium to further the integration of English as a Second Language (ESL) students into the fabric of the campus. The project has received LEED Gold certification.

School District of Philadelphia CIP Construction Management - QA/QC Manager
Developed the project manual and project quality control plan as part of STV's construction management services for 13 schools in the School District of Philadelphia's $1.5 billion, 5-year capital improvement plan (CIP). The firm's portion of the CIP included $235 million of construction value for five renovations, five renovations with additions, and three new buildings. Scheduling, a challenge for existing schools, required extensive phasing so that construction did not interrupt school operations while school was in session. Mr. Cooksley also performed an internal QA/QC audit of the project.

DASNY Namm Building Construction Management Services - QA/QC Manager
Oversaw quality assurance/quality control (QA/QC) for $13.3 million in renovations to the New York City College of Technology Namm Building in downtown Brooklyn, NY. The DASNY project entailed the total replacement of the exterior stone veneer and windows of the 11-story building, which required the erection of an extensive scaffolding system. Other project elements included replacing the roof slab of a bulkhead, electrical system upgrades, and installation of new computer labs totaling over 200 workstations. Construction occurred while the building was fully occupied, making the development and implementation of the construction staging plan critical, and the work was completed ahead of schedule.

Kenneth M. Champion

AIRPORTS PRACTICE LEADER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
36

EDUCATION
BACHELOR OF SCIENCE, CONSTRUCTION MANAGEMENT; CENTRAL CONNECTICUT STATE UNIVERSITY

Mr. Champion is a project executive with more than 35 years of experience planning, designing, budgeting, and overseeing construction activities at some of the nation's most iconic sites. His experience includes serving in the roles of owner-builder, general contractor, and as a design-build expert responsible for successfully delivering projects that required complex logistics and phasing to maintain ongoing operations. Having worked successfully with nearly 40% of Engineering News-Record's Top 100 A/E design firms during his career, Mr. Champion recently served as part of the United Nations (UN)'s Headquarters Crisis Operations Group and Senior Emergency Policy Team, as well as Deputy to the UN Assistant Secretary-General Department of Management. He was also the UN's project representative to the New York City Mayor's Office and numerous local and federal agencies. Mr. Champion has proven experience leading high-profile projects that require extensive planning, permitting, budgeting/estimating, and bid approvals. This includes his work directing the UN Capital Master Plan Modernization, as well as major restoration efforts at Ellis Island and the Statue of Liberty, along with other national landmarks.

Project Experience

Delta Air Lines JFK Terminal Redevelopment Program - Senior Project Manager

Furnishing construction management services, including overseeing multiple trade subcontractors completing Phase 2 landside and airside improvements for Delta Air Lines' international operations at JFK International Airport, in Queens, NY. Mr. Champion's activities encompass the $1.4 billion terminal expansion and redevelopment project, to relocate international operations to Terminal 4, and provide for the demolition of Terminal 3 and reallocation of the space to provide aircraft parking. The firm's scope of work entails a 540,000-sf, 9-gate extension at the end of the current Concourse B and expansions to the east and west sides of the 110,000-sf head house; extensive bag-handling system modifications and expansion of the 131,000-sf security area; construction of new escalators, stairs, elevator piles, concrete foundations, and a security screening platform; removal of the monumental stairways between the third and fourth levels; and other renovations for a total building construction of 781,000 sf.

UN Headquarters Capital Master Plan Project - Program Director

Managed the phased design and construction for the $2.2 billion renovation and modernization of the 60-year-old, 2-million-sf UN Headquarters facilities in the Turtle Bay neighborhood of Midtown Manhattan. The purpose of the project is to bring the facilities into compliance with current local building and fire safety codes, replace deteriorating components and systems, and preserve the architectural integrity and original design intent. Tasks included construction of a temporary building on the North Lawn to provide space during the renovation of the Conference Building, and the subsequent reconfiguration of the North Lawn Building for use during the renovation of the General Assembly Building, as well as the complete renovation of the Secretariat Building. Basement space was also reconfigured to provide temporary space for offices and other functions. In total, more than 10,000 staff moves had to be organized in two rounds of relocations. As Deputy to the Assistant Secretary-General of the Department of Management, Mr. Champion's responsibilities included serving as the project representative to the New York City Mayor's Office and stakeholder agencies, such as the U.S. Secret Service and U.S. Government Accountability Office, as well as ambassadors and delegates. Work performed under Mr. Champion's management was completed 2% under the

approved construction budget. He also served as a member of the UN Headquarters Crisis Operations Group and the UN Headquarters Senior Emergency Policy Team in New York.

Statue of Liberty-Ellis Island Foundation Ellis Island National Monument Restoration - Senior Project Manager

Managed on-site activities for the restoration of facilities on Ellis Island, NY, after decades of neglect and exposure to the elements and the creation of the National Immigration Museum. The $200-million project has the distinction of being the largest restoration undertaken in the U.S. The scope of work included historic restoration of sections of the 1900 Main Building and conversion of other spaces to new uses. The Main Building now houses New York's third largest museum and, in addition to numerous exhibit rooms, features two theaters, an oral history archive, libraries, and exhibits depicting the immigrant experience and the human aspect of the great migration to the United States of America. Preservation, restoration, replication, interpretation, and adaptation were among the many techniques employed during design and construction. The end result is that a present-day visitor can now share some of the experiences of immigrants from more than a century ago. The project included complete infrastructure modernization; construction of a temporary 1,000-foot bridge connecting Ellis Island to Liberty State Park; preservation work for the Kitchen Building and Laundry Building; restoration of the railroad ticket office; construction of new piers, hardscape, dredging, docking facilities, and fender system for the Circle Line Ferry; and grouting and stabilization of the island's granite seawall perimeter by grout injection. Mr. Champion's scope and responsibilities encompassed full preconstruction services, complex overwater/waterfront logistics, and agency coordination for environmental impact work. The project earned more than a dozen state, regional, and national awards.

Huber Group Residential LLC Horizon West Lakeside Village Site Development - Owner's/Builder's Representative

Managed all state and county agency planning and permitting services, design, and subcontractors for all site development for the $200 million Lakeside Village development project in Windermere, FL. Entitlement include 200 acres approved for commercial, retail, restaurants, and 14 mid-rise luxury condominiums just north of Walt Disney World.

Harris, Hooker & Huber LLC Waterstone Site Development - Owner's/Builder's Representative

Directed all state and county agency planning and permitting, design, and subcontractors for $40 million in site development, infrastructure, roads, landscaping, and amenities for 200 acres approved for residential homes on Lake Butler in Windermere, FL.

The Opus Group of Tampa Laguna at Riviera Dunes - Principal-in-Charge

Provided executive oversight, including financial management, for a $200 million luxury waterfront development in Palmetto, FL, featuring four 7-story condominium buildings and an 18-foot deep, 90-acre manmade harbor and full-service marina. Mr. Champion's responsibilities included baseline budgeting, scheduling, permitting and agency approvals, and CM.

Dream Harbors of Naples Nautico Yacht Club - Project Manager

Managed design and construction for this $200 million mixed-use development project in St. Petersburg, FL. Phase I included construction of 143 new boat slips, an 80,000-sf boat storage building, more than 1 mile of new seawall around an existing harbor, a club house, retail space, and amenities on a 30-acre site. For Phase II, Mr. Champion obtained permitting and oversaw construction of pads for three planned 16-story luxury condominiums.

Samuel Scozzari, P.E.

BRIDGES & TUNNELS PRACTICE LEADER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
29

EDUCATION
BACHELOR OF TECHNOLOGY, CIVIL ENGINEERING TECHNOLOGY - CONSTRUCTION; ROCHESTER INSTITUTE OF TECHNOLOGY

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

CERTIFICATION
OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING

Mr. Scozzari has more than 29 years of experience overseeing the construction of high-profile, multidisciplinary projects in the New York metropolitan area that have included highways, fixed and movable bridges, buildings, marine and waterfront structures, and parks and public spaces. During his career, Mr. Scozzari has developed a strong ability to successfully join together the goals of diverse public agencies and the expertise of multiple contractors to deliver projects and programs of unique and varied character. In addition to his technical experience with all facets of vertical and horizontal construction, he brings a high level of sensitivity to the traveling public and communities impacted by construction. Mr. Scozzari has coordinated the construction of multiple adjacent projects being undertaken by different owners and stakeholders, which has required knowledge of various city and state agency procedures, as well as regulatory compliance and permitting. He is well-versed in the construction management (CM) procedures of the MTA, the TBTA, NYCDOT, and the Federal Highway Administration (FHWA). Mr. Scozzari also played an integral role in the development of electronic document control for the resident engineering services of the Third Avenue Bridge for NYCDOT.

Project Experience

PANYNJ WTC Transportation Hub - Design Certification Manager, Mezzanine and West Bathtub

Provided design review of PANYNJ's World Trade Center (WTC) Transportation Hub in Lower Manhattan. As part of a joint venture working with renowned Spanish architect Santiago Calatrava, STV has provided final civil, structural, mechanical, electrical, and plumbing engineering and architectural design services, as well as transportation and traffic engineering, pedestrian-flow analysis and modeling, and security consulting. Additionally, the firm has provided owner's representative services for the associated One World Trade Center tower and the National September 11 Memorial & Museum, and a variety of other services on this highly complex site. The firm is architect-of- record for the 2-million-sf, $3.2 billion Hub, which will link 11 subway lines, as well as PATH trains and ferry service, to locations on and around the WTC site. Mr. Scozzari provided design certification services for the mezzanine and west bathtub structures, from the street level to below the PATH station, for a depth of approximately 100 feet. He affirmed that the QA process was being implemented, resulting in a recommendation to the designer-of-record for the New York City Department of Buildings to sign off on the project. Subsequently, the site's twin reflecting pools opened to the public on the tenth anniversary of the September 11 terrorist attacks.

The Trust for Governors Island Redevelopment of Governors Island Resident Engineering and Design Review - Chief Resident Engineer/Project Manager

Leading resident engineering and inspection (REI) services for a $250 million program of capital improvements that will transform the 150-acre Governors Island into a prime recreation destination and development zones with new topography and amenities. The first phase of the program has transformed 64 acres of the island and 15 interrelated projects to establish a new park and public space. In addition, the program involves rehabilitation of multiple ferry landings and approach platforms; reconstruction of the seawall, its promenade, and drainage systems; restoration of potable water via horizontal direct drilling of a new water main from the Red Hook section of Brooklyn, NY; electrical distribution systems; and stabilization of historic building envelopes. In 2014, The Trust will implement construction of four hills, with the tallest two hills having their summits between 80 and 90 feet above existing ground level. Mr.

Scozzari is the client's direct point-of-contact for QA oversight of the construction manager and its subcontractors. He is also providing staff leadership for REI, Construction Administration, and design review services. This challenging role requires Mr. Scozzari to manage 25 on-site personnel as well as as-needed design review staff.

TBTA RFK/Triborough Viaduct Deck Reconstruction - Resident Engineer

Managed the inspection of this $271 million deck panel replacement of the 75-span viaduct over Randall's and Ward's islands in New York City. Mr. Scozzari oversaw a construction inspection staff of up to 35 employees. In addition to the deck panel replacement, the project entailed upgrades to the structural steel and cables of the suspension span, replacement of more than 400 bridge bearings, viaduct superstructure repairs and girder replacement, construction of new ramps from the viaduct to Ward's Island, reconstruction of the Ward's Island surface roadway, bridge and site drainage improvements, and repainting of the viaduct structure and roadway-level truss of the suspension span. Mr. Scozzari was also responsible for overseeing maintenance of traffic, coordinating meetings with the TBTA project engineer and other involved parties, creating and preserving document control, scheduling, change-order management, quality assurance, contractor invoicing, and construction inspection staffing. This project was one of several TBTA projects taking place concurrently with projects on Randall's and Ward's islands (within the footprint of the TBTA projects for the NYCDPR, NYCDEP, NYCDEC, and the NYCEDC. The majority of overlapping work zones occurred between TBTA's Robert F. Kennedy (RFK) Capital Programs, having up to four projects taking place simultaneously, and the NYCEDC's programs to revitalize Randall's Island Park. Mr. Scozzari arranged 24 months of bi-weekly coordination meetings of all construction projects taking place with all agencies, as well as abutting property owners, such as the Fire Department of New York (FDNY) Fire Academy and the Manhattan Psychiatric Center, of which the latter was also conducting projects through the New York State Office of General Services (NYSOGS) and DASNY. This effort was successful in avoiding claims due to lack of construction access as they pertained to Mr. Scozzari's client, TBTA.

NYCDOT Third Avenue Bridge Replacement - Project Manager/ Resident Engineer

Provided on-site staffing management for the $125 million replacement of the Third Avenue Bridge over the Harlem River, Harlem River Drive, and CSX Railroad. The Third Avenue Bridge connects the Bronx, NY, to Manhattan and was one of the structures included in the NYCDOT's program to rehabilitate or replace all 11 movable bridges over the Harlem River. This complex project involved six stages of work to replace the land approaches and interchanges with the Harlem River Drive. site in Alabama and shipped via ocean-barge to the New York City site.

ConnDOT I-91 and Founders Bridge Rehabilitation - CPM Analyst

Provided critical path method (CPM) analysis and senior inspection duties for this $105 million partnering project in Hartford, CT, that included the rehabilitation of 10 bridges and four cut-and-cover tunnels (two railroad, two for new ramps). The project also involved the rehabilitation of 15 roadway parapet walls and underwater concrete, and the installation of 100 caissons along the existing U.S. Army Corps of Engineers (USACE) flood dike along the Connecticut River in downtown Hartford. Additionally, it involved installation of an 84-inch-diameter storm sewer and the relocation of a 48-inch storm sewer. One challenge was addressing two waste stockpile treatment areas — one for contaminated soils and the other hazardous soils. Another challenge was the relocation of I-91 and construction of a temporary detour while working under live traffic conditions.

Anthony G. Cracchiolo, P.E.

RAIL TRANSIT PRACTICE LEADER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
48

EDUCATION
MASTER OF SCIENCE, TRANSPORTATION PLANNING AND ENGINEERING; POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY

BACHELOR OF ENGINEERING, CIVIL ENGINEERING; MANHATTAN COLLEGE

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND NEW JERSEY

Mr. Cracchiolo, a senior vice president, brings more than 45 years of design, design management, and project, program, and construction management experience to his role as STV's Director of Special Projects. In this role, he is spearheading the firm's participation in specific public-private partnership, design-build, and other major project pursuits. In addition, Mr. Cracchiolo is currently serving as project director of the Joint Venture construction management team for Phase I of the Moynihan Station Development Project, the initial phase of converting the historic James Farley Post Office Building into the new Amtrak Train Hall at New York's Penn Station. Mr. Cracchiolo's experience encompasses managing major infrastructure, transportation and building capital programs and projects throughout the New York/New Jersey metropolitan region and nationwide. Prior to joining STV, he led the planning and initial design and construction for the $11.4 billion World Trade Center (WTC) Site Redevelopment Program following the terrorist attacks of September 11, 2001, as Director of Priority Capital Programs for PANYNJ. This included the development of the site master plans and planning and preliminary design of the Calatrava WTC Transit Hub and other site infrastructure, the fast-track restoration of PATH commuter rail service to Exchange Place in Jersey City and Lower Manhattan, and the planning for other Lower Manhattan transportation improvements. During his tenure with PANYNJ, he managed a variety of capital projects for the agency's facilities, including the $1.9 billion AirTrain JFK light rail system; the $415 million Newark Liberty International Airport AirTrain Extension and major terminal, airside and landside improvements at JFK, Newark, and LaGuardia airports; and the restoration and redevelopment of the WTC following the 1993 terrorist attack, as well as improvements to interstate tunnels and bridges, bus terminals and PATH.

Project Experience

Moynihan Station Development Corporation/PANYNJ Moynihan Station Phase I CM - Project Director

Directing and managing comprehensive CM services for the $325 million Phase I of the development of a new train hall in the James Farley Post Office Building in Midtown Manhattan, with connections to New York's Pennsylvania Station and Amtrak, NJ TRANSIT, Long Island Rail Road, and New York City Transit service. Mr. Cracchiolo is managing the expansion of the 33rd Street Connector between Penn Station and the West End Concourse, the widening and extension of the West End Concourse to serve nine platforms, the construction of two new street entrances on the west side of Eighth Avenue at 31st and 33rd streets, the restoration of the historic James Farley grand staircase and entrance on Eight Avenue, improvements in ventilation of the train shed on the west side of the station, and new ADA-compliant vertical circulation, all while coordinating with rail operations and force account to assure continued operations. He is overseeing and facilitating contract design review, budgeting, cost control, estimating, construction supervision and inspection, quality assurance, and commissioning, as well as assisting in coordinating the complex staging among the three railroads.

PANYNJ AirTrain JFK DBOM - Program Director

Planned and secured all environmental, land use, and funding approvals, and procured and implemented the $1.9 billion AirTrain JFK light rail system connecting travelers from the LIRR Jamaica Station and NYCT Howard Beach Station to JFK International Airport in Queens, NY. The project included the $400 million reconstruction of the LIRR Jamaica Station, the Howard Beach NYCT subway station, and a 3-mile section of the Van Wyck Expressway for the New York State Department of Transportation, including corridor beautification. Under Mr. Cracchi-

olo's direction, AirTrain JFK, one of the largest DBOM transit projects undertaken in the United States, was constructed in record time and within budget. It won numerous awards, including ones from the American Council of Engineering Companies, the American Institute of Architects, the American Railway Engineering and Maintenance-of-Way Association, McGraw-Hill Construction News, the Municipal Art Society of New York, the New York Association of Consulting Engineers, the Portland Cement Association, and the Prestressed Concrete Institute. It was also a finalist for the American Society of Civil Engineers Outstanding Civil Engineering Achievement Award.

PANYNJ George Washington Bridge Bus Station Redevelopment - Principal-in-Charge
Oversaw the design effort for the proposed $152 million redevelopment of the George Washington Bridge Bus Station in Upper Manhattan. The extensive, multidisciplinary rehabilitation project will enhance the physical presence of this significant historic structure, which serves more than 7.4 million bus passengers annually, and will consolidate and improve interstate bus operations. It will also benefit the neighborhood by providing a significant transit-oriented retail development. Mr. Cracchiolo led efforts to provide the concept designs and feasibility analyses, leasing and tenant marketing exhibits, and advice and support to enable the developer of the public-private partnership with the PANYNJ to advance lease negotiations with the agency. Upon successful signing of an Interim Lease Agreement, STV became the engineer-of-record and architect-of-record for the design of both the bus terminal and the retail portion of the project.

Amtrak ARRA Preliminary Design and CM Services - Project Manager
Led and managed the preliminary design of 58 design-build contract bridging packages and CM/resident engineering (RE) services for two major design-build contracts on a fast-track basis to meet American Recovery and Reinvestment Act (ARRA) funding deadlines. Projects that Mr. Cracchiolo oversaw included projects to upgrade Amtrak utilities, structures, and other Northeast Corridor right-of-way improvements; nationwide station restoration and security improvement projects; and facility safety, security, and other physical improvements, including new drop tables and car washers. He also guided the design-build contract procurement support and CM/RE services for the $130 million Chicago Shop and Yard Rehabilitation and Improvements contract and the $22 million Boston Southampton Shop and Yard Improvements contract, which included the installation of a new locomotive drop table and car washer, among other shop and yard safety, rehabilitation, and security improvements. The total value of projects under this contract was $561 million.

NJ TRANSIT Access to the Region's Core Project - Manager of Peer Review Group/Project Advisor
Managed the independent peer review teams responsible for reviewing the preliminary engineering effort for the proposed $8.7 billion Access to the Region's Core project, including a deep underground station in Manhattan at 34th Street and Broadway. Mr. Cracchiolo served as advisor on the security analysis and design as well as other aspects of the project, including constructability, construction market analysis, and third-party coordination. The project would have provided a second Hudson River rail tunnel, augmenting the capacity of the existing 100-year-old tunnels to New York's Pennsylvania Station. It was to consist of two tubes under the Hudson River from New Jersey, with additional tracks along the existing Northeast Corridor line through the Secaucus Transfer Station. The project was canceled in final design.

Thomas Colombo

SENIOR PROJECT MANAGER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
36

EDUCATION
BACHELOR OF SCIENCE, ELECTRICAL ENGINEERING; COLLEGE OF STATEN ISLAND

Mr. Colombo has more than 35 years of experience in engineering, construction management, and program management for numerous projects in New York and New Jersey. He has served in senior management roles for the NYCSCA and as a private consultant overseeing building projects throughout the New York metropolitan area and abroad. Mr. Colombo is skilled in all elements of construction, including project planning, property acquisition, environmental assessments, preparation and solicitation and contract documents, scheduling, budgeting, management of design services, constructability assessments, and value engineering. Additionally, Mr. Colombo specializes in energy conservation and has assisted in the design and development of solar energy systems for the U.S. government and various school districts. He is an advocate of fast-track design and construction processes and has provided seminars on construction methodologies requiring design-build and project partnering.

Project Experience

NYCDDC New Police Academy CM - Construction Manager

Supervising the construction management (CM) of this $1.5 billion, state-of-the-art NYPD training academy in the College Point area of Queens, NY, for the NYCDDC. The new academy is being constructed in two phases on the 33-acre site of a former NYPD impound yard, and will consolidate training facilities presently located in each of the five boroughs of the City. The facility design incorporates many sustainable features and has a goal of LEED® certification at the Silver level. Mr. Colombo is also overseeing and providing quality review for the project's field engineering services.

NJSDA Trenton, Burlington City, and Pemberton Township School Building Construction and Renovation - Program Manager

Managed a $450 million, five-year capital program for school construction and renovation in Trenton, Burlington City, and Pemberton Township, NJ, for the New Jersey Schools Development Authority (NJSDA). Mr. Colombo supervised more than 50 project managers and support personnel at 17 project sites and provided management oversight of design consultants, contractors, vendors, and subconsultants. He also made presentations to the various school districts and state government representatives, established conceptual and working budgets and schedules, and developed fee structures for consultants. Additionally, he assisted with land and property acquisitions, environmental assessments, and claims analyses, and represented the NJSDA on local regulatory matters.

New York City School Construction Authority - Former Deputy Chief Project Officer

Responsible for the execution of a $250 million annual capital program for the construction, renovation, and modernization of educational facilities for the New York City Department of Education. Mr. Colombo supervised 68 project managers and construction management support personnel that provided program planning, including the selection of consultants, property acquisition, environmental assessments, development of solicitation and contract documents, scheduling, budgeting, management of design services, and contract awards. Mr. Colombo provided supervision and project overview for construction progress, contractor requisitions, and claims analyses. He also assisted in the development of contract procedures for public-sector design-build methodologies, institutionalized project partnering and team building, and hosted design-build seminars for other public agencies.

NYCT Fresh Pond Bus Depot - Project Executive
Supervised the construction of this $35 million maintenance facility in Ridgewood, NY, for NYCT. Representing the general contractor, Mr. Colombo was the direct liaison with NYCT and the MTA. He reviewed construction progress, established progress schedules, developed milestones for turnover of various facilities and systems, developed and negotiated change orders, attended periodic progress meetings with the client, established requirements for continuity of facility operations with ongoing construction, and participated in the development of project closeout and turnover.

Upper Freehold Regional School District Stone Bridge Middle School - Program Manager/Solar Design Consultant
Supervised the construction management for this new $40 million middle school in Allentown, NJ. Mr. Colombo reviewed progress schedules, prepared and reviewed change orders, coordinated with the local building department and state agencies, and reviewed contractor and consultant requisitions. He also assisted the school district in their successful application for a grant that enabled the district to install photovoltaic (PV) solar energy panels. Mr. Colombo managed the design of the PV panels and also provided consultation for the selection of the contractor for the installation.

Middletown Township Board of Education School Renovations - Project Executive/Solar Energy Consultant
Oversaw a $100 million reconstruction program at two high schools and three middle schools in Middletown Township, NJ. Mr. Colombo supervised eight project managers serving at the five project sites. His team provided pre-construction services and total construction management of multiple prime contracts at each site. All of the work was performed in fully occupied school facilities, requiring the development of site-specific phasing and logistic plans and the development of appropriate swing space facilities. Mr. Colombo reviewed progress schedules, established contractor staffing requirements, prepared and reviewed change orders, and reviewed contractor and consultant requisitions. He also interfaced with the local building department and state agencies, and assisted the school district in their successful application for grants that enabled the district to install photovoltaic panels to generate energy.

Bruce Fox, P.E.

SENIOR PROJECT MANAGER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
38

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; NORTH CAROLINA STATE UNIVERSITY

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

Mr. Fox is a project executive with STV, possessing more than 35 years of experience in the construction industry. In this capacity, he has been directing the preconstruction and construction phases of complex, high-profile projects throughout the New York metropolitan area. Mr. Fox has been responsible for completing multiphase services, including overseeing design and construction schedules, cost controls, and purchasing. Currently, he is supervising program management services and coordinating closely with multiple stakeholders to facilitate the completion of One World Trade Center on a logistically challenging site in Lower Manhattan. The building, the tallest in the United States, is the centerpiece for the redeveloped World Trade Center complex, and encompasses 3.5 million sf of interior space. Mr. Fox is guiding the extensive coordination of work across multiple active projects and among numerous stakeholders on the site. As a former vice president of a major construction company for 16 years, Mr. Fox established and led the company's high-tech hospital, research facility, and design-build construction sector, where he was responsible for providing preconstruction and construction management services for several multiphase medical center renovations, including at world-renowned facilities such as Memorial Sloan-Kettering and NYU Medical Center.

Project Experience

PANYNJ One World Trade Center - Deputy Project Executive

Providing executive oversight for the program management of the construction of One World Trade Center, the centerpiece of the redevelopment of the 16-acre World Trade Center (WTC) site in Lower Manhattan. One World Trade Center is the tallest building in the United States, and will encompass more than 3.6 million sf, including retail, office space, restaurants, an observation deck, and broadcast facilities. The project is a combination of modern, innovative architecture, sustainable design, and safety, with a goal of LEED® Gold certification. Mr. Fox is guiding the extensive coordination of work across multiple active projects and among numerous stakeholders on the site, including the WTC Transportation Hub, WTC Vehicle Security Center, and WTC Central Chiller Plant. He participates in detailed meetings with dozens of contractors and construction managers to address and resolve any impediments to on-schedule and on-budget completion. Coordination issues among contractors and stakeholders include the shared use of construction equipment to optimize the tight logistical conditions; joint use of the limited access and delivery points; and design and construction of the multiple utility points of entry.

MSKCC New Main Operating Room Facility - Project Executive

Oversaw construction management services for this $100 million new infill structure and renovation project encompassing 172,000 sf at Memorial Sloan-Kettering Cancer Center (MSKCC) in Manhattan. Mr. Fox was responsible for the construction of a state-of-the-art surgical suite consisting of 23 operating rooms and associated recovery areas, a pediatric day hospital, and a pediatric in-patient unit and pathology laboratory. He also monitored the installation of four new "super-columns" threaded through seven floors of existing operating hospital areas to erect a new structure above existing hospital buildings.

MSKCC Kimmel Center for Prostate and Urological Cancers - Project Executive

Supervised construction management services for a new 7-story, 67,000-sf standalone clinical center in Manhattan for the treatment of prostate and urological cancers. The space featured

a flexible interior framework that limited the core to one wall of the building. Mr. Fox was responsible for overall project completion, with a focus on schedule management, purchasing, and cost controls.

NYU Medical Center Major Renovation Program - Project Executive
Oversaw more than 15 major renovation projects totaling $150 million in construction costs as part of a major renovation program for this hospital in Manhattan. Projects included the relocation of day surgery and construction of 10 new operating rooms; the expansion of cardiac catheterization, same day admit, neo-natal ICU, epilepsy treatment unit, and minimally invasive urology spaces; and the modernization of central services, pediatric ICU, neurosurgical ICU, and executive offices. Mr. Fox was responsible for coordinating and monitoring the completion of all tasks, and guided overall schedule management and purchasing.

MKSCC Major Renovation Projects - Project Executive
Oversaw more than a dozen major renovation projects, including new research laboratories, a gene transfer facility, nuclear magnetic resonance machine installation, and medical physics offices. Mr. Fox supervised the completion of all projects, and monitored schedule management, cost controls, and purchasing.

NYSOMH New York State Psychiatric Institute - Project Executive
Managed construction management services for this new 372,000-sf flagship research and patient care facility for the New York State Office of Mental Health (NYSOMH), which combines state-of-the-art laboratories with in-patient psychiatric care and includes clinical service, educational, and administrative support spaces. The project was named by the American Institute of Architects (AIA) as one of the three best healthcare projects in the United States for 1999.

Trump Organization Trump International Hotel and Tower - Construction Manager
Provided preconstruction consulting and served as the on-site construction representative for the Trump Organization for this 94-story, 2.6 million-sf luxury hotel and condominium project in Chicago. The facility is the tallest reinforced-concrete structure in the United States and includes 339 hotel condominium units, 486 residential condominium units, a health club, amenities, retail space, and parking. The project also includes the reconstruction of a major portion of a downtown elevated roadway structure. Mr. Fox supervised project managers and superintendents, and was responsible for project completion.

Detroit Renaissance Center - Assistant Superintendent and Tenant Project Manager
Served as assistant superintendent and tenant project manager for the construction of this 70-story, 1,200-room luxury hotel surrounded by four 39-story office towers on the Detroit River, which was the largest private building project in the United States in the late 1970s. The complex was set on a multi-level hotel amenity, retail, and parking base. Major office tenants included Ford Motor Company and General Motors.

Julie Valerio, LEED®AP

SENIOR PROJECT MANAGER

Ms. Valerio has more than 30 years of experience in facilities management and the construction industry. She has managed a wide variety of new construction and renovations for transportation, commercial, educational, retail, and institutional facilities. Ms. Valerio has been responsible for all phases of design, construction, close-out, and occupancy. As a facilities manager, she has experience establishing and implementing capital programs, developing scopes of work, securing of design and construction services, overseeing the bid process for consultant and contractor services, participating in furniture selection and procurement, and managing the move-in and closeout.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
32

EDUCATION
MASTER OF SCIENCE, CONSTRUCTION MANAGEMENT; EASTERN MICHIGAN UNIVERSITY

BACHELOR OF ARTS, INTERIOR DESIGN; MICHIGAN STATE UNIVERSITY

Project Experience

PANYNJ One World Trade Center and National September 11th Memorial & Museum CM - Manager of Design

Managing the transition of 19 individual PANYNJ Design Consultant contracts totaling approximately $105 million in design services from a private developer to the PANYNJ ownership during the design development stage. Ms. Valerio's responsibilities include working with PANYNJ World Trade Center Construction senior administration, and legal and procurement departments in conjunction with the STV One World Trade Center team in the creation, negotiation, and execution of PANYNJ design contracts. She is monitoring design consultant executed contracts making sure contract compliance is being met and requests for monthly payments accurately represent percentage and/or scope completed for requisition approval. Ms. Valerio is instituting change orders beginning from the request for proposal stage through contract amendment to the original contract. In addition, she is monitoring total contract costs against authorized budget, and reviewing and approving design consultant invoicing and overseeing the approval routing process for submission to accounts payable and payment to the consultant.

Whitney Museum of American Art - Executive Director of Facilities

Reported to the Chief Financial Officer of the Whitney Museum of American Art in New York City. The museum harbors some of the most important collections of 20th century American art, containing more than 18,000 works in a wide variety of media. Ms. Valerio provided leadership for plant operations, events coordination, custodial services, and shipping and receiving for this landmark New York City Museum, including main complex, office annex, art storage facility, and rental properties. She improved client confidence in facilities staff by establishing clear lines of communication with senior leadership and operational groups to promote effective processes, higher efficiency of resources, and clear expectations of the level of service. Ms. Valerio established protocols and controls for work orders, event setups, custodial services, cycle maintenance, and safety and employee presentation. She collaborated with Whitney events planners to implement major donor, educational, and cultural events in limited museum space.

Drew University Hall of Science Renovations - Former Director of Facilities

Responsible for the $12 million phased renovation of the 1968 science building at Drew University in Madison, NJ, as part of an $80 million capital program at the university. The renovation included asbestos abatement, upgrade of the building's exhaust/ventilation to meet the

current building code, gut renovation of lecture halls and laboratories, and exterior building restoration.

Drew University/Aramark Facility Services - Former Director of Facilities
Oversaw a $9.9 million annual operating/recurring capital budget for the 100-person Plant Operations and Maintenance and Capital Program Management Departments at Drew University in Madison, NJ. Ms. Valerio was responsible for providing management, operations, and strategic planning for the university's 187-acre campus, including 63 buildings totaling 1.2 million sf. Working in conjunction with university trustees, senior administration, deans, department heads, and university committees, Ms. Valerio successfully delivered an $80 million capital program, which involved interfacing directly with the Borough of Madison Planning Board, Building Department, and fire officials. She prepared and presented annual operating and capital budgets for leadership and trustee approval; oversaw facilities needs assessments, space utilization studies, and library space study; and provided for the strategic annual procurement of natural gas commodity, including financial analysis of purchase options. Ms. Valerio was instrumental in securing a $20 million NJEFA bond to fund campus-wide deferred maintenance improvements, and she established a cumulative savings of $1 million through management and operational efficiencies and energy management. In addition, she implemented a "mini-plant" concept which involved grouping two to three buildings at one centralized mechanical plant, along with the addition of buildings to the university's Central Heating Plant, thereby addressing deferred maintenance and reducing energy consumption and operational maintenance.

Drew University Seminary Hall Addition - Former Director of Facilities
Provided overall administration for a $6.2 million, 8,000-gsf addition to this 1898 historic building at Drew University in Madison, NJ, for ADA compliance, as part of an $80 million capital program at the university. The addition featured smart classrooms, seminar space, and a student lounge.

Sassan M. Manii

PROJECT MANAGER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
29

EDUCATION
BACHELOR OF ARCHITECTURE; CUNY CITY COLLEGE

CERTIFICATIONS
OSHA 30-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING

Mr. Manii is a project manager with more than 29 years of experience in the design and construction management of new and renovated government, educational, and healthcare facilities. Prior to joining STV, he was a Lead Construction Project Manager at the NYCSCA and gained expertise in developing project scopes, budgets, and construction schedules, as well as producing and reviewing construction documents. Mr. Manii has experience developing and implementing management strategies to provide documentation and keep clients well informed and projects on track. He is proficient at guiding and supporting construction managers, developing and maintaining contractor performance records, managing claims, and supervising project closeouts.

Project Experience

PANYNJ One World Trade Center and National September 11 Memorial & Museum - Project Manager

Directed project controls activities for the design and construction of One World Trade Center, a major project in the redevelopment of the 16-acre World Trade Center (WTC) site in Lower Manhattan. The tower will be the centerpiece of the new WTC complex and will encompass more than 3.6 million sf, including office space, restaurants, an observation deck, and broadcast facilities. The building will also house below-grade shopping and access to the PATH transit system and the World Financial Center. One World Trade Center encompasses a sophisticated array of sustainable design elements, a unique curtainwall system, and advanced building control systems. STV's team is providing construction support services to PANYNJ to help realize the agency's mission to construct the building in a quality manner, on time, and within budget. Mr. Manii oversaw budget and cost controls; financial management report development: vendor and contractor activities; and processes and workflow. He was responsible for reviewing and negotiating payment requests and change orders with the construction management team and subcontractors. Mr. Manii also attended meetings with prospective subcontractors and reviewing the project scope. He coordinated with PANYNJ for approval of monthly project payments and advised them on general conditions, buyouts, and mobilization accounts.

NYCDDC New York City Police Training Academy CM - Project Manager for Building Envelope

Managing the construction of roofing and the façade for this new academy in the College Point section of Queens, NY. This joint-venture design-bid-build project consists of two phases. The $656 million Phase I comprises a new academic building, a physical training facility, and a central utility plant. Phase II comprises firing ranges, a tactical village for urban training, and other elements. The LEED -registered project is seeking certification to the Silver level. Mr. Manii is overseeing planning and coordinating the construction of roofing and façades with architects, engineers, and trade subcontractors. He regularly reviews work scopes and verifies compliance with the respective subcontractors' contract requirements. He also verifies the timely submission of submittals and approvals; reviews, processes, and approves subcontractor's schedules; authorizes contractors' payments; reviews contractors' change orders and their general financial status; and facilitates, organizes, plans, and chairs progress meetings with subcontractors, the design team, and owner.

NYCSCA High School of Telecommunications Arts and Technology Expansion - Construction Project Manager
Oversaw the $38.5 complete interior modernization of and 20,000-sf addition to this 5-story, 135,000-sf specialized high school in Brooklyn, NY. The project included mechanical upgrades to the boiler plant, a new air conditioning system, and updated computer facilities.

NYCSCA ADA Compliance Federal Aid Grants - Construction Project Manager
Responsible for $4 million in federally funded renovations to various parochial, Yeshiva, and Muslim schools run by private community groups in the Williamsburg and Crown Heights sections of Brooklyn, NY. The renovations were undertaken to address accessibility through compliance with the ADA criteria and the abatement of asbestos-containing material.

NYCSCA P.S. 69 - Construction Project Manager
Oversaw the construction of this new $41 million, 4-story primary school in Brooklyn, NY. The 98,000-sf steel-framed brick and curtain wall building with built-up roofing includes classrooms, a gymnasium, an auditorium, space for administrative counseling, a kitchen/ cafeteria complex, and support spaces, all completely air conditioned.

NYCSCA I.S. 254 - Construction Project Manager
Supervised the fast-track construction of a new $21 million, 3-story intermediate school in the Bronx, NY The 68,000-sf building includes classrooms, a gymnasium, space for administrative counseling, a kitchen/cafeteria, and support spaces. The steel stud-framed brick building with a built-up roof is completely air conditioned and included special exhaust and ventilation systems for the science and art classrooms.

NYCSCA I.S. 151 and P.S. 11 Exterior Modernization - Construction Project Manager
Supervised the $2.5 million exterior modernization and renovation of this school facility in the Bronx, NY. The work included the replacement of the roof and repair of the exterior envelope.

NYCSCA I.S. 120 Leased Facility - Construction Project Manager
Oversaw the $5 million conversion of a leased facility into a new school to support 450 students and staff in Manhattan. The single-story, 45,000-sf facility contains classrooms, a gymnasium, administrative counseling space, and support service spaces. The project involved constructing new heating and ventilating systems.

Thales Savas

PROJECT MANAGER

Mr. Savas has more than 30 years of experience in construction management. He is particularly adept at addressing environmental challenges, such as soil, groundwater, and subsurface piping issues. As a former facilities manager for a utility company, Mr. Savas is sensitive to the issues involved with projects in occupied facilities and has a firsthand understanding of the concerns of building operators regarding construction activities and long-term maintenance issues.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
30

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY

BACHELOR OF SCIENCE, MATHEMATICS; YORK COLLEGE, CITY UNIVERSITY OF NEW YORK

Project Experience

PANYNJ One World Trade Center and National September 11 Memorial & Museum - Contract Administrator/Project Manager

Providing contract administration to the PANYNJ for the One World Trade Center commercial building in Lower Manhattan. Mr. Savas is managing the 20 consultant contracts on the project, which entails reviewing and processing their monthly requisitions, reviewing proposals, issuing task orders for additional work, tracking all consultant-related costs, and making cost projections. In addition, he is responsible for allocating costs between the various entities at the site, such as the Port Authority Trans-Hudson (PATH) hub, the memorial and museum, the building core and shell, and PANYNJ retail development. Mr. Savas is also responsible for overseeing eight construction trade contracts, which includes a curtain wall, podium wall, cable net/storefront, facade maintenance, waterproofing and roofing, and additional funding authorizations for approval.

NYCHA On-Call Construction Management Services - Project Engineer

Performed contractor evaluations, pre-bid qualifications, and construction management (CM) services as part of a $100 million CM/build task-order contract for exterior restoration, emergency façade repair, and roofing work at various locations for the NYCHA. Mr. Savas served as project manager for a roof replacement project at the Women's Initiative for Self Employment (WISE) facility in Manhattan. He was also responsible for verifying scope, size of projects, and performance of references submitted by each contractor; reviewing contractor safety ratings, financial strength and stability, bonding capacity, and local law/integrity compliance; and confirming participation in state-approved apprenticeship programs and Women's Business Enterprise (WBE)/Minority Business Enterprise (MBE) certifications.

NYCDCAS Bronx Criminal and Family Court Garage Structural Repairs - Senior Project Manager

Provided construction management and owner's representative services for the New York City Department of Citywide Administrative Services (NYCDCAS) for structural repairs, electrical and storm drain system replacement, and exhaust system upgrades for an 80,000-sf parking garage facility in the Bronx, NY, as part of a construction management /build requirements contract with the New York City Department of Citywide Administration Services (NYCDCAS). Mr. Savas coordinated the activities of contractors and subcontractors and made sure that client-approved budget, safety, and scheduling requirements were met. He managed a design staff of 85 people in 6 offices and 2 major subconsultants.

NJDPM&C New Jersey State House Annex Renovation - Construction Manager

Oversaw construction activities for the New Jersey Department of Property Management and Construction (NJDM&C) fast-track renovation of the roof, historic committee rooms, and limestone façade of the New Jersey State House Annex in Trenton, NJ.

Amtrak East and North River Tunnels Fire Standpipe Installation CM - Office Engineer
Provided CM and owner's representative services for the installation of approximately 76,500 feet of 6-inch dry fire standpipe in Amtrak's four East River tunnels and two North (Hudson) River tunnels. Mr. Savas coordinated the schedules for the installation work, which was conducted over weekends during 55-hour intervals. He planned and coordinated various activities, including the removal of obstructions by Amtrak's in-house force account labor, so that the installation could proceed without interruption. Mr. Savas was also responsible for all deliveries of materials, with particular attention to the tight security requirements demanded by the client.

DASNY Hunter College Roosevelt House Renovation CM - Project Manager
Guided design review and provided CM services for the $23.4 million rehabilitation of the Sara Delano Roosevelt Memorial House for use as a modern conference center by the City University of New York's Hunter College in Manhattan. The project consisted of the complete rehabilitation of the twin 6-story brownstone landmark building, at one time the residence of the Franklin Delano Roosevelt family. A new steel "skeleton" within the core and at the rear of the existing building had to be installed with minimal impacts to the historic fabric of the building. Underpinning operations of the adjacent structures were required as well.

NYCHA WISE Rehabilitation - Project Manager
Performed construction management services for the replacement of the roof at the New York City Housing Authority (NYCHA) Women's Initiative for Self Employment (WISE) facility in Lower Manhattan. The $650,000 project consisted of an 8,000-sf roof replacement, asbestos abatement, and masonry repairs to parapet walls and bulkheads. Mr. Savas gave special attention to the safety of the residents of this public housing facility.

NYCDCAS Bronx Criminal and Family Court Garage Structural Repairs - Senior Project Manager
Provided CM and owner's representative services for structural repairs, electrical and storm drain system replacement, and exhaust system upgrades for an 80,000-sf parking garage facility in the Bronx, NY, as part of a CM/build requirements agreement. Mr. Savas coordinated the activities of contractors and subcontractors and made sure that all client-approved budget, safety, and scheduling requirements were met or exceeded. He was responsible for overseeing the completion of this scheduled 10-month project in 8 months and with half of the allocated CM staffing in order to meet revised budget constraints.

NYCDCAS Bronx Criminal and Family Court ADA Modifications - Senior Project Manager
Delivered CM and owner's representative services and coordinated the activities of contractors and subcontractors for the $5.5 million rehabilitation of the 1.5 million-sf, 9-story landmark Bronx Criminal and Family Court building for compliance with the ADA as part of a CM/build requirements agreement. Mr. Savas oversaw the complete renovation of 14 public restrooms and replacement of 23 public phone booths, 25 electric water coolers/fountains, and 68 doors. . In addition, he supervised the installation of assisted listening devices in two court rooms and improvements to make seven New York Police Department Central Booking Area and New York City Department of Corrections holding cells ADA-compliant. Construction was performed during regular business hours and off hours with limited swing space available.

William King

PROJECT MANAGER

Mr. King brings more than 30 years of experience in program and project management for transportation initiatives and facility construction and rehabilitation projects. He spent 18 years with the Metropolitan Transportation Authority of the State of New York (MTA) Office of Construction Oversight, with increasing levels of responsibility leading to his position as Acting Director for more than two years. Mr. King has a comprehensive understanding of compliance issues, particularly with federal requirements. While at the MTA, he was involved with making sure that projects followed strict FTA policies and procedures.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
33

EDUCATION
MASTER OF CITY AND REGIONAL PLANNING; HARVARD UNIVERSITY

BACHELOR OF SCIENCE, CIVIL ENGINEERING/ TRANSPORTATION; UNIVERSITY OF ILLINOIS

Project Experience

FTA Management Assistance Contract - Project Manager

Reviewed and recommended improvements to reports produced by 15 national Project Management Oversight Consultants (PMOCs) for the Federal Transit Administration (FTA). These PMOCs monitored approximately 100 projects worth $70 billion in 30 metropolitan areas nationwide. Mr. King submitted findings and recommendations for improvements to individual PMOC reports and the overall format. He also reviewed and summarized the FTA's evaluations of its consultants and recommended improvements to the FTA's PMOC evaluation system, including tying evaluation scores more closely to quality of work product. For all 15 PMOCs, Mr. King reviewed overall consultant costs per hour and levels of effort, as well as by task, and made recommendations to the FTA regarding areas where costs could be reduced. He assisted in reviews of PMOC one-time risk assessments for several projects, which involved detailed cost estimate and schedule reviews. Mr. worked closely with most of the consultants and the 10 FTA regions, as well as FTA headquarters staff in Washington, D.C. Mr. King served as the key speaker at joint FTA/PMOC annual conferences in Washington, D.C., in 2006 and 2007, where he presented summaries of findings and recommendations on both PMOC reports and FTA consultant evaluations.

NYCEDC Lincoln Center Projects Program Management - Project Manager

Oversaw the exterior restoration of the Lincoln Center for the Performing Arts complex in Manhattan. Mr. King reviewed schedules, budgets, change orders, payment requisitions, quality control and safety reports, Buy America and Disadvantaged Business Enterprise documents, and project management plans, and he verified reporting by monitoring actual progress in the field. He also helped expedite city and federal funding of the public/private project and the completion of construction within budget while maintaining high quality and safety levels.

Metropolitan Transportation Authority of the State of New York Office of Construction Oversight - Former Acting Director/Deputy Director

Directed the Office of Construction Oversight at the MTA. Mr. King supervised a 5-person office and managed a 20-person consultant oversight team responsible for preparing detailed monthly and quarterly monitoring reports on all major MTA projects and programs for the monthly meetings of the MTA Board Capital Program Oversight Committee (CPOC), which is in charge of reviewing the major capital projects at NYCT, the LIRR, Metro-North Railroad, TBTA and MTA Capital Construction. Projects included civil/structural/architectural work – line structures, car shops, bus depots, stations - advanced signaling, communications systems, automated fare collection systems and control centers, and the procurement of subway and commuter train cars.

NYCHA Washington Heights Exterior Restoration - Project Manager
Coordinated the exterior restoration of the Washington Heights housing development in northern Manhattan as part of a construction management/builder requirements contract with the NYCHA. Mr. King was responsible for managing the construction contractor, reviewing all work in place, reviewing and submitting change-order proposals, reviewing and recommending payment requisitions, reviewing time extension requests, monitoring the safety and quality of the project, and working to expedite the completion of construction.

ESDC Atlantic Yards Relocation and Barclays Center Arena Owner's Representative Services - Project Manager
Working closely with the developer, construction managers, and contractors, and overseeing STV's owner's representative services on behalf of the Empire State Development Corporation (ESDC), during this multifaceted project. Work has involved the construction of the $1 billion, 670,000-sf Barclays Center Arena; the construction of a new subway hub connection; the lowering of an LIRR commuter rail vehicle storage and maintenance yard in Brooklyn, NY; and residential high-rise construction around the arena and over the yard that will be the tallest modular buildings in the world at 32 to 45 stories in height. STV has monitored, reported, and recommended actions for all areas of the $5 billion Atlantic Yards project, which includes the arena, with a focus on safety, schedule and quality. Mr. King's chief responsibilities have included reviewing the schedules and designs and working with the developer and the state to help assure that work is completed safely, on time, and in a quality manner. The underground subway hub connection now links an existing New York City Metropolitan Transportation Authority subway station complex to the arena plaza. Features include a new transit hub entry; a new below-grade control area with back-of-house support facilities; new connections to the NYCT 2, 3, 4, 5, B, D, N, Q and R subway lines with stairs, ramps and escalator and elevator to and from the new fare control area; and the relocation and restructuring of existing subway fresh air vents. In addition, Mr. King has been responsible for in-depth reviews of the design and construction of the lowering of the LIRR Vanderbilt Train Storage Yard to provide adequate clearance for the platform deck. He has also monitored the tight schedule for a new highway-style bridge and associated yard lowering work which had to be completed for the arena to open on schedule. The overall scope also includes site work, such as utility relocations and feeds, sidewalks, and security bollards surrounding the arena. Among the numerous challenges is performing this work in a densely populated urban locale with high-volume pedestrian/bicycle and vehicular activity. Mr. King along with field staff monitor the safety of maintenance and protection of traffic measures set up at the site, including flagging and construction walls/sound buffers.

Annette Bombarger

ASSISTANT PROJECT MANAGER

Ms. Bombarger has 15 years of experience managing projects throughout New York City. She is a skilled project manager who makes sure that projects meet client objectives, schedules, and budgets. Ms. Bombarger is skilled at coordinating multidisciplinary teams to smoothly progress projects from the bidding documents stage to final construction close-out for the construction of educational, commercial, retail, and institutional facilities. She has also prepared construction cost estimates and quantity surveys, led team meetings, reviewed change orders and submittals, and written purchase orders.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
15

EDUCATION
BACHELOR OF INDUSTRIAL DESIGN; PRATT INSTITUTE

CERTIFICATIONS
OSHA 30-HOUR

MEMBERSHIPS
CONSTRUCTION MANAGEMENT ASSOCIATION OF AMERICA (CMAA)

COMPUTER SKILLS
TIMBERLINE, PRIMAVERA CM-13, CONSTRUCTWARE

Project Experience

United Nations Building Capital Improvement Projects - Project Manager

Oversaw the completion of capital improvement projects at the United Nations Building in Midtown Manhattan. Work involved renovating various areas of the aging facility while they remained in use, including rearranging the mail center and providing cosmetic upgrades; renovating the locker room; upgrading the electrical power to the uninterruptable power supply/main server room; and installing a raised flooring system and dry fire suppression system. Ms. Bombarger led weekly subconsultant meetings, attended client meetings, reviewed change orders and submittals, prepared purchase orders, and coordinated the subconsultants' work.

NYCSCA Mentor Program - Cost Estimator

Preparing construction cost estimates and quantity surveys for public school renovation projects ranging in cost from $450,000 - $750,000 for the New York City School Construction Authority (NYCSCA)'s Mentor Program, which trains M/W/LBE emerging contractors for success in the field. The firm is providing comprehensive instruction on subjects such as financial resources procurement and union transition, while helping mentor contractors deliver their projects on schedule and within budget. Ms. Bombarger is evaluating change order proposals, overseeing the submittal process by reviewing all submittals for quality and data accuracy, providing guidance to the general contractors in respect to submittal review, and organizing tracking systems to aid the project officer's access to information throughout the review stages.

NYCDDC New York City Police Training Academy CM - Project Manager

Managed approximately 15 subcontracts and coordinated work with multiple contractors during the first phase of the $656 million, 720,000-sf construction of two campus buildings within a 35-acre site in College Point, NY, for the New York City Department of Design and Construction (NYCDDC). The buildings, which were designed to LEED Silver specifications, featured the physical plant for the entire site, classrooms, lecture halls, a library, a gym, a pool, locker rooms, commercial food service facilities, pantries, mock training environments which resemble a city street with stores, parks, restaurants, apartment buildings, and a mock police precinct, as well as administrative offices. Ms. Bombarger oversaw the interior construction of the food service area, the mock environments, all interior glass partitions and ornamental metals, permanent staircases/railing systems, and miscellaneous steel. She also managed the submittal process, supervised on-site subcontractor installations, and attended weekly progress meetings.

Columbia University Dormitory Renovations - Project Manager
Managed the renovation of existing dormitory structures to upgrade student apartments for Columbia University on Manhattan's Upper West Side. Ms. Bombarger attended client meetings, facilitated weekly subcontractor meetings, coordinated subcontractor work, reviewed submittals and change orders, and prepared purchase orders.

Goldman Sachs Office Tower Interior Build-Out - Assistant Project Manager/Estimator
Provided estimates and managed subcontractors during the $19 million interior build-out of 160,000 sf of corporate office space in a newly constructed office tower in Jersey City, NJ. The LEED®-certified project involved constructing office space, open plan work stations, conference rooms, pantries, and server and mechanical rooms. Ms. Bombarger led sub-contractor weekly meetings, attended client meetings, reviewed submittals and change orders, assisted with field office management, coordinated the subcontractor's work, and prepared purchase orders.

MetLife Metropolitan Life Tower Exterior Renovations - Site Estimator
Provided site estimates during the three-year exterior restoration of the architecturally significant Metropolitan Life Tower in Manhattan. Due to the nature of the project, much of the building was covered in scaffolding to facilitate the restoration of windows as well as masonry façade work. The cupola at the very top of the building was re-gilded and received a computerized, multicolored fiber optic lighting system to allow the colors to change to denote particular holidays or important events. Restoration work was performed on the clock face and hands, which were also illuminated. Concurrently, a major stone restoration was occurring within the lobby of the building and an atrium was constructed in the 23rd Street lobby. The building is a landmarked structure, resulting in Ms. Bombarger becoming familiar with New York City's rigorous landmark preservation laws.

Eugene B. McCrohan

ASSISTANT PROJECT MANAGER

Mr. McCrohan is a project manager with nearly 15 years of experience providing engineering services for renovation and new construction projects for rail, municipal, and educational building projects. Possessing varied experience during all project phases, he is adept at preparing presentations, managing contractors, negotiating and tracking change orders, maintaining project logs and reports, and processing the closeout of contract phases. Mr. McCrohan has supervised work ranging from the restoration of historic and prestigious public buildings and museums to new education facilities. In addition, he served as an adjunct instructor at Jersey City University for more than three years where he taught technology courses. Mr. McCrohan is also skilled in using e-builder project management software to manage project elements, including submittals, requests for information, reporting, and documentation.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
'15

EDUCATION
BACHELOR OF ARTS, POLITICAL SCIENCE; NEW JERSEY CITY UNIVERSITY

COURSEWORK IN POLITICAL MANAGEMENT; GEORGE WASHINGTON UNIVERSITY

TRAINING
10-HOUR CONSTRUCTION SAFETY OUTREACH; OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

30-HOUR CONSTRUCTION SAFETY OUTREACH; OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA)

COMPUTER SKILLS
E-BUILDER, PRIMAVERA EXPEDITION, CONSTRUCTWARE

Project Experience

MTA Capital Construction/NYCT No. 7 Subway Line Extension - Office Engineer

Prepared monthly progress presentations for new construction on the No. 7 subway in New York City, extending two tracks from 42nd Street to 26th Street. Mr. McCrohan tracked change orders and potential change orders, as well as contractor submittals throughout the approval process using the Metropolitan Transportation Authority (MTA)'s Constructware program. He also tracked and processed the closeouts of multiple contract phases.

NYSOGS South Beach Psychiatric Center Emergency Response and New Central Services Building - Assistant Project Manager

Performing field inspection of site work for a new 47,000-sf central services building at the South Beach Psychiatric Center on Staten Island, NY. The new facility will include kitchen, maintenance, and warehouse facilities. In addition, it will consolidate multiple systems into one centralized location, including an emergency generator, boilers, and air-handling systems, following the destruction of the previous systems from Hurricane Sandy in 2012. Mr. McCrohan is tracking project documentation, as well as managing financial tracking, including payments and potential change orders. In addition, he is providing coordination and serving as liaison to the New York State Office of General Services (NYSOGS) and the New York State Office of Mental Health.

NYCDDC El Museo del Barrio - Superintendent

Supervised renovations to the interior of the El Museo del Barrio museum in New York City on behalf of the New York City Department of Design and Construction (NYCDDC). Mr. McCrohan also oversaw renovations of the multiple building systems, including electrical, fire protection, audio-video, and HVAC. He performed field inspections to verify the quality of work, negotiated contracts, and processed change orders and closeout documentation.

NYCDDC City Hall Renovations - Field Inspector

Oversaw the historic preservation of the New York City Hall building in Manhattan, NY, during a $90 million renovation for the New York City Department of Design and Construction (NYCDDC). The renovations included interior, exterior, and roofing improvements; refinishing of the iconic steps; installation of new electrical, fire, audio-video, heating, ventilation, and air conditioning systems; modernization of the elevators; and the complete renovation of all interior spaces. Mr. McCrohan was responsible for maintaining the historic presence of the build-

ing's ornate city council chamber ceiling, situation room, the mayor's bullpen, and ceremonial office spaces. He also served as liaison to the New York City Police Department and Mayor's Office. In addition, Mr. McCrohan also monitored the underpinning of the eastern portion of the 200-year-old building.

Essex County Courthouse Renovation - Assistant to the Project Manager
Managed project logs and reports for a $20 million courthouse renovation project in Essex County, NJ. Mr. McCrohan created, updated, and maintained the project change order log, as well as processed the daily and monthly progress reports. His other duties included managing the contractors' monthly financial reports, and producing correspondence for open project issues. Mr. McCrohan processed contract documentation closeout for multiple construction contracts.

NJSDA North Ward Park Elementary School - Assistant Construction Manager
Assisted with construction management for a new $34 million, 3-story school in Newark, NJ, which encompassed classroom and administrative space, a media center, an auditorium, and a gymnasium. Using the New Jersey Schools Development Authority (NJSDA)'s Primavera Expedition program, Mr. McCrohan was responsible for tracking and maintaining project data and information, preparing meeting minutes, and creating change order packages for NJSDA's review. He also performed field inspections to confirm the quality of work, the contract report data, and construction progress and schedules. In addition, Mr. McCrohan participated in New Jersey Department of Codes and Standards code inspections.

Woodbridge Township Board of Education Township Schools Renovation Program - Field Engineer
Maintained reports and data for 13 bid packages associated with the $86.1 million program to renovate and expand 25 existing schools in Woodbridge Township, NJ. Mr. McCrohan processed and maintained daily and monthly reports, biweekly progress meeting minutes, change order tracking reports, and contractor financial reports. He also performed field inspections and coordinated township code officials' inspections to verify quality and construction progress.

Middletown Township Board of Education Township Schools Renovation - Office Engineer
Created, collected, and maintained reports and data for a $110 million referendum to renovate and expand three middle schools and two high schools in Middletown Township, NJ. Mr. McCrohan processed and maintained daily and monthly progress reports, created contract change order tracking reports for four of the renovated schools, and created and tracked monthly contractor financial reports. He also managed the contractors' monthly financial reports and process change order packets.

Y. Jake Kofman

ASSISTANT PROJECT MANAGER

Mr. Kofman has more than 15 years of experience managing and controlling all day-to-day activities of new construction and renovation projects. He has a strong background in multiple construction trades, including demolition, excavation, asbestos and lead abatement, masonry construction, concrete work, waterproofing, carpentry, glazing, commercial/industrial painting and finishing, structural steel, and metal fabrication. Mr. Kofman is skilled at mentoring subconsultants, reviewing and tracking schedules and budgets, facilitating staff project meetings, monitoring safety, and managing preconstruction issues, logistics plans, bidding, and negotiations with contractors. He has applied his skills and experience on residential and commercial projects throughout New York City, including the ongoing cleanup resulting from Hurricane Sandy.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
18

EDUCATION
BACHELOR OF SCIENCE, CIVIL AND INDUSTRIAL ENGINEERING; KAZAN STATE CIVIL ENGINEERING UNIVERSITY

CERTIFICATIONS
OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING

OSHA 30-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING

ASBESTOS HANDLING

COMPUTER SKILLS
AUTOCAD, DESIGN EXPRESS, PROJECT MATRIX, SURE TRACK, LOTUS NOTES, PRIMAVERA

Project Experience

City of New York Various Transportation and Municipal Projects - Project Manager

Managed medium-to-large construction projects involving various New York City roadways, bridges, and facilities, including the Verrazano-Narrows Bridge, the Marine Parkway Bridge, the Henry Hudson Parkway, the Mohawk Correctional Facility, the Queensboro Correctional Facility, the Throggs Neck Bridge, the Queens Midtown Tunnel, and Metropolitan Transportation Authority Headquarters. Mr. Kofman worked on all aspects of project management, including quotations, contracts, planning, purchasing, scheduling, and submittals. He supervised all activities with an emphasis on quality assurance, personal safety, and local ordinance compliance. Mr. Kofman coordinated with all parties, including engineering, production, subcontractors, agency representatives, and clients.

NYCSCA PS-41/PS-115 Renovations - Project Manager

Oversaw this $2.6 million restoration project that included asbestos abatement, masonry restoration, and a complete roof replacement for a school in Queens, NY, and another in Manhattan, for the New York City School Construction Authority (NYCSCA). Mr. Kofman's work not only helped to remove hazardous materials but it also repaired leaking roofs and walls at the two schools.

Stamford Hospital Remote Power Plant - Superintendent

Managed and controlled the construction of a remote power plant for this hospital in Stamford, CT. Mr. Kofman oversaw the placement of precast concrete panels for the facility, as well as surveying and tunnel excavation for heat and electrical utility lines running in and out of the plant.

Long Island Jewish Medical Center Radiation Room - Superintendent

Facilitated and directed the construction of five radiation rooms for this hospital in New Hyde Park, NY. Mr. Kofman oversaw the construction and installation of all major components for the $5 million project, including brand new imaging equipment, lead walls, and special doors to block radiation.

New York-Presbyterian Hospital Radiation Room - Project Manager

Facilitated and directed the construction of a new $13 million radiation room in the basement of New York-Presbyterian Hospital in Manhattan. Mr. Kofman oversaw the construction and installation of all major components of the vault, including new imaging equipment, lead walls, and special doors to block radiation.

Live Nation Entertainment Nikon at Jones Beach Theater Restoration - Superintendent
Managed the restoration of this outdoor venue that was significantly damaged by Hurricane Sandy. The facility and its concessions stand sustained 14 feet of flooding, seating was covered in mounds of seaweed, and the VIP section was ruined. Mr. Kofman oversaw several months of work to clean and repair the facility, which reopened to audiences in May 2013.

NYCHA Hurricane Sandy Program Management - Assistant Project Manager
Overseeing day-to-day activities for the restoration of 15 NYCHA developments in New York City that sustained damage during Hurricane Sandy. Approximately 800,000 residents in over 400 NYCHA buildings throughout New York City were affected both by short- and long-term damage as a result of the storm. The program, which could exceed $1 billion, is being performed under an indefinite delivery/indefinite quantity (IDIQ) contract. The team is focused on the recovery of the 35 developments and a maintenance facility in Brooklyn, Queens, and Manhattan that suffered moderate to severe damage, predominantly to their mechanical and electrical systems, as a result of flooding and sand and saltwater infiltration. Mr. Kofman is managing and controlling daily activities to lead a methodical, coordinated recovery effort. He is facilitating weekly project meetings with owners, consultants, subcontractors, and staff, and reviewing and tracking schedules to make sure they are on time or ahead of schedule. Mr. Kofman is also tracking and controlling all costs. The team is working within HUD's public housing procurement regulations.

NYCHA IDIQ Construction Management Services - Superintendent
Overseeing the restoration of 15 of the 32 NYCHA developments in New York City's five boroughs that sustained damage during Hurricane Sandy, as part of an indefinite delivery/indefinite quantity (IDIQ) contract with the New York City Housing Authority (NYCHA). Mr. Kofman is responsible for improvements in Brooklyn and Queens, NY. The scope involves repairing exteriors damaged by the high winds, as well as various interior repairs, such as the replacement of mechanical equipment that was damaged or destroyed by floodwaters. Mr. Kofman manages and controls all day-to-day activities; facilitates weekly project meetings with owners, consultants, subcontractors, and staff; and tracks and controls all costs. He also reviews and tracks schedules to make sure they are on time or ahead of schedule.

NYCHA Throggs Neck Houses and Additions and Breukelen Houses - Project Manager
Managed all project activities for 19 buildings in the Bronx and Brooklyn, NY. Mr. Kofman coordinated union subcontractors and was responsible for progress of prospect, site safety, site logistics, and quality control during the $13.6 million project, The overall effort involved widespread asbestos abatement, masonry restoration, and additions.

Deborah L. Addison

ASSISTANT PROJECT MANAGER

Ms. Addison is a construction project manager and owner's representative with more than 10 years of experience managing construction projects in New York City. She has experience leading project teams from design development to construction closeout for educational, commercial, residential, and hospital facilities. Ms. Addison has managed both new construction and renovations in occupied facilities, as well as green construction projects. Her experience includes reviewing contract documents, creating bid documents, monitoring budgets and schedules, managing requests for information (RFIs) and change orders, and coordinating inspections. Ms. Addison also has monitored contract site safety, provided quality control for installations, and managed compliance with city and state requirements.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
11

EDUCATION
BACHELOR OF ARTS, ARCHITECTURE; COLUMBIA UNIVERSITY

TRAINING
OSHA 10-HOUR
OSHA 7-HOUR SITE SAFETY
OSHA 4-HOUR SCAFFOLD SAFETY

Project Experience

NYCDDC Midtown Community Center - Project Manager

Provided construction management for a 12,000-sf, 6-story expansion and mechanical, electrical, and plumbing (MEP) upgrade for a 40,000-sf community center in Midtown Manhattan, for the New York City Department of Design and Construction (NYCDDC). The new addition consists of lobbies, common areas, and offices. Ms. Addison reviewed contract documents, monitored the budget and schedule, and approved contractor requisitions and change orders. She also managed submittals, RFIs, and project documentation.

NYU Langone Medical Center Hurricane Sandy Recovery - Project Manager

Managing the renovation of various administrative spaces and remediation work to mitigate flood damage from Hurricane Sandy at the New York University (NYU) Langone Medical Center in Manhattan. Ms. Addison is guiding the renovation of the admissions office, physical therapy academic spaces, and the information technology department. She is coordinating with multiple stakeholders, consultants, and contracts to manage the build-out and closeout of each task.

Lincoln Medical Center Emergency Department Renovation - Project Manager

Managed the construction phase of the $10 million, 32,000-sf renovation of the Emergency Department at Lincoln Medical Center in the Bronx, NY. Ms. Addison facilitated meetings, monitored the schedule and budget, negotiated change orders, paid requisitions, interpreted contracts, and managed RFIs and submittals. She supervised the shutdowns of oxygen, nitrogen, and nitrous oxide gas for the switchover to new service, and the switchover to a new sprinkler system in the occupied building. Ms. Addison managed design changes to accommodate unforeseen conditions, including numerous undocumented conduits and piping embedded in the floor slabs. She oversaw significant HVAC changes to accommodate the new Mental Health Area of the Emergency Room. In addition, since the site was located close to a Metro-North Railroad train line and the No. 2 subway line, Ms. Addison acquired Metropolitan Transportation Authority (MTA) permitting and incorporated MTA requirements for the drilling of the foundation piles.

OWN Charter School Expansion - Project Manager

Managed design development and funding requests for the $15 million, 28,000-sf expansion of the Our World Neighborhood (OWN) charter school, a landmark building located at the historic Kaufman Astoria Studios in Queens, NY. The expansion provided a new gym, cafeteria spaces, classrooms, and library upgrades. Ms. Addison participated in the consultant research, bidding, and selection, and provided recommendations to the client. She also directly managed the upgrades to the façade, roof, and infrastructure, which was required by the New York

City Economic Development Corporation (NYCEDC). Ms. Addison created bid documents for contractors, reviewed contract drawings, and monitored the budget and schedule.

Safe Horizon Child Advocacy Center Bronx Site - Project Manager
Conducted space programming and site selection during design development for a safe house for child victims of abuse in the Bronx, NY. The $1 million, 14,000-sf facility was designed to house medical examination rooms, a police precinct with cells for the accused, and family counseling rooms. Ms. Addison created bid documents for contractors and conducted bid leveling. She approved contract requirements and change orders, monitored contractor safety, and maintained the budget and schedule.

NYCSCA P.S. 276M Battery Park - Project Officer
Managed construction from excavation and foundation to masonry for the 8-story, 125,000-sf public school in the Battery Park neighborhood of Manhattan, for the New York City School Construction Authority. This was the first school developed according to NYCSCA's Green Schools Guide, and featured sustainable design elements, including one of the city's largest photovoltaic panel arrays and an extensive energy and weather monitoring system. Ms. Addison oversaw the general contractor, and monitored contractor safety and quality control. She reviewed contract documents, prepared project documentation, approved contractor requisitions and change orders, and managed submittals and RFIs. Ms. Addison managed all inspections, including soil, steel, masonry, electrical and plumbing, and sitework. She also coordinated with Con Edison for inspections and incoming service relocation.

NYCSCA Seward Park High School Closeout - Project Manager
Managed closeout activities for multiple renovations at this high school on the Lower East Side of Manhattan, for the New York City School Construction Authority (NYCSCA). The renovations included exterior modifications, roof replacements, waterproofing the basement, and interior upgrade of mechanical, electrical, and plumbing (MEP) systems for the 5-story building, which remained occupied throughout the construction. Ms. Addison worked closely with the bonding company, superintendent, contractors, and client to manage the construction activities for compliance with New York City Department of Buildings requirements. She reviewed contract documents, monitored budget and schedule, and approved contractor requisitions and change orders.

NYCSCA P.S. 110M Closeout - Project Manager
Oversaw closeout activities for renovations at a 5-story middle school in Manhattan, for the New York City School Construction Authority (NYCSCA). The multiple renovations were completed while the building was occupied, and consisted of mechanical, electrical, and plumbing (MEP) system upgrades, exterior modifications, roof replacements, and waterproofing the basement. Ms. Addison managed the site and construction closeout for compliance with New York City Department of Buildings requirements, working closely with the bonding company, superintendent, contractors, and client.

NYCSCA Science Labs - Project Manager
Managed construction for the installation of science laboratories at two junior high schools in Manhattan for the New York City School Construction Authority (NYCSCA). The labs were approximately 600 sf each, and consisted of students' desks and a teacher's demonstration area. Ms. Addison guided the installation of new lines for gas, plumbing, and electrical services, and also coordinated the gas service with Con Edison. She reviewed contract documents, monitored the budget and schedule, and approved contractor requisitions and change orders.

Salvatore J. Coladonato

SENIOR SUPERINTENDENT

Over the course of a 36-year career, Mr. Coladonato has led dozens of construction projects. He is knowledgeable in all of the construction trades and communicates effectively among them, as well as with architects, engineers, city officials, office personnel, contractors and subcontractors, inspectors, project managers, and field safety staff. Mr. Coladonato has provided construction oversight for numerous education facilities, including some signature projects for the New York City School Construction Authority (NYCSCA), and worked on many LEED® certified projects. He is adept at coordinating the sequence of day-to-day operations with subcontractors and has experience maintaining project schedules, enforcing safety standards, and conforming work to shop drawings and job specifications.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
'36

EDUCATION
HIGH SCHOOL DIPLOMA; WILLIAM E. GRADY VOCATIONAL AND TECHNICAL HIGH SCHOOL

CERTIFICATIONS
CERTIFIED UBC FIRE STOPPING/SAFING

NEW YORK CITY DEPARTMENT OF BUILDINGS - 4-HOUR SUPPORTED SCAFFOLD - USER CERTIFIED COMMERCIAL/ RESIDENTIAL BUILDING INSPECTOR

TRAINING
OSHA 10-HOUR CONSTRUCTION SAFETY & HEALTH

OSHA 30-HOUR

MEMBERSHIPS
UNITED BROTHERHOOD OF CARPENTERS, LOCAL 157, NEW YORK, NY

Project Experience

NYCDDC New York City Police Training Academy CM - Senior Superintendent

Coordinating the sequence of day-to-day operations for the $656 million construction of Phase I of this new 3-million-sf training facility for the New York City Department of Design and Construction (NYCDDC) in College Point, New York. An 8-floor, 350,000-sf academic building acts as the main training facility for this two-campus, 35-acre site and houses classrooms and lecture halls; laboratories; courtrooms; and other training areas, including a muster court and replicas of a city street and police cars. Phase I construction also includes at-grade parking area for the entire campus and a 240,000-sf physical training facility featuring a field house; a swimming pool; a running track; gyms; and chemical, ordnance, biological, and radiological attack (COBRA) training areas. Additionally, a 130,000-sf central utility plant (CUP) is being built—containing all boilers for heating; chillers for cooling; incoming permanent power from Con Edison; emergency generators for emergency power; and support equipment such as cooling towers, and fuel oil tanks and pumps. Mr. Coladonato is working closely with project managers, architects, engineers, inspectors, foremen, and field personnel to strictly enforce project safety and maintain project schedules. He has participated in preconstruction budgeting, scheduling, and design; reviewed and produced project schedules; and prioritized daily and long-lead tasks. Mr. Coladonato is coordinating submittals and approvals related to project data and shop drawings, scheduling weekly meetings with trades, and leading meetings with field foremen. He is also reviewing all architects' supplemental instructions, and managing plans and specifications with design engineers to clarify discrepancies. Mr. Coladonato is developing the site utilization plan and establishing crew size; coordinating, planning, and supervising assistant superintendents; and monitoring subcontractor activities to efficiently manage site work and logistics. He is coordinating with other functions to make sure all required materials, equipment, and inspections support the project schedule. Mr. Coladonato has also led the development of the safety culture on the project site, and organized meetings with the safety directors as trades prepare to work on high-risk tasks. The building is being designed to achieve LEED Silver certification.

NYCSCA P.S. 276 - Senior Superintendent

Managed construction trades and field foremen for the construction of this LEED-certified public school in the Battery Park neighborhood of Manhattan. This sustainable 470,000-sf, 8-floor school featured roof-mounted solar panels, exterior curtain walls, low-energy windows, and SMART board-equipped classrooms. Mr. Coladonato coordinated as many as 10 subcontractor foremen and trades, including drywall and ceilings, millwork, doors and hardware, electrical and HVAC, during this ground-up construction. He also created, coordinated, and maintained a crew flow schedule for interiors. Mr. Coladonato worked closely with subcontractors to meet project

milestones and scheduled daily LEED meetings while overseeing the sequence of day-to-day operations. He also coordinated with engineers for interior finish submittal packages.

NYCSCA IS/HS 43 School Construction - Senior Superintendent
Oversaw day-to-day operations during the construction of this 675,000-sf, 6-floor public school complex in the Heartland Village section of Staten Island, NY. Composed of two high schools, each of these facilities included 13 regular and special education classrooms, two science labs with separate prep and demonstration rooms, an art studio, and a technology lab. The two schools also shared a 9,000-sf gymnasium, two 2,000-sf exercise rooms, a 500-seat auditorium, and an 8,321-sf student cafeteria, as well as a media center, a medical suite, and a special education activity room. Other resources included guidance rooms, activity rooms, and community rooms for parent conferences. Mr. Coladonato created, coordinated, and maintained a crew flow schedule. He coordinated daily work flow for all subcontractors, and led regular project meetings with field personnel and trade foremen.

NYCSCA Frank Sinatra School of the Arts - Senior Superintendent
Oversaw coordination of building trades for the construction of this specialized arts high school founded by Tony Bennett and Nancy Sinatra in Queens, NY. This 6-floor, 625,000-sf school hosts a wide variety of performance spaces, including large dance studios, music rooms, and art facilities that face the street, a rooftop theatre overlooking the Manhattan skyline with adjoining lawn and garden, and a Broadway-style theatre auditorium. The school also features state-of-the-art science labs, park facilities for the Kaufman film studios, and a 3-story glass curtain wall front with laser engravings of hundreds of actors and musicians. Mr. Coladonato coordinated the sequence of day-to-day operations for all sub-contractors on the project, scheduled job and lead meetings with field and trade foremen, and enforced project safety. He also confirmed that work performed matched job specifications, and coordinated submittals and approvals according to product data and shop drawings.

NYCSCA In-Tech Academy (MS/HS 368) - General Carpenter Foreman
Coordinated building trades, including steel, concrete, and roofers, to complete construction of this technology-centered school in the Bronx, NY. This 168,000-sf, 3-story building houses four state-of-the-art computer labs, an auditorium, art and music rooms, and an interior courtyard that lets natural light enter all of the school's major halls. Outdoor amenities include basketball courts, tennis courts, and an athletic track. Mr. Coladonato led safety meetings, coordinated the delivery of materials, and kept the $72 million project on schedule. He also managed and supervised the day-to-day activities for carpentry trades and scheduled material deliveries while coordinating with the general and MEP contractors.

DASNY CUNY Manhattan Community College Modernization - General Carpenter Foreman
Led the coordination of all building trades to keep the construction on track for this Dormitory Authority of the State of New York (DASNY) project in Manhattan for the City University of New York (CUNY). The project entailed the upgrade of the college's main auditorium with the installation of new acoustical four-step flowing ceilings, new walls with acoustical panels, new seating, and new floors for the main and telescopic stages. The project also saw the upgrade of all offices and classrooms with acoustical ceilings and the installation of a new fire protection system. Mr. Coladonato ordered construction materials, coordinated safety meetings for the project, and oversaw weekly and daily meetings with trades and field foremen respectively. He also maintained project schedules and worked closely with the architecture, engineering, inspection, and field safety teams to address and resolve all problems.

Richard St. Cyr

SUPERINTENDENT

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
25

EDUCATION
ASSOCIATE IN MATHEMATICS; MIDDLESEX COMMUNITY COLLEGE

Mr. St. Cyr has more than 25 years of experience in supervising mechanical, electrical, and plumbing (MEP) projects and has extensive knowledge in the structural, architectural, and civil engineering areas. He has led multimillion dollar projects for airport terminals, power plants, correctional facilities, hospitals, and high-rise condominiums. Mr. St. Cyr is an adept construction manager and inspector skilled at leading complex teams of technicians and laborers from multiple contractors. He is also experienced with resolving requests for information (RFIs).

Project Experience

Delta Air Lines JFK Terminal Redevelopment Program Phase I - MEP Superintendent

Managing the MEP construction for the redevelopment of Terminal 4 at JFK International Airport, in Queens, NY, for Delta Air Lines. Mr. St. Cyr is overseeing the general contractor MEP teams for 125,000-sf gate extensions, multiple head-house expansions, taxi-lane and apron paving, and utility infrastructure improvements. Site work includes utility relocations and the installation of new fueling lines and hydrants. In addition, he is contributing to the new baggage handling conveyor system, including shutdowns and relocation of MEP utilities in coordination with JFK to avoid terminal operation disruptions. Mr. St. Cyr is helping with commissioning a new ground service fueling station and hydrant fuel system for the new concourse B expansion. The new commission includes an emergency fuel shut-off system, cathodic protection of the underground fuel piping, and flushing of the entire fuel system. He is also overseeing the new routing of the fiber optic communication line between Terminals 2 and 4.

PANYNJ JFK International Airport Expansion - Electrical Superintendent

Scheduled reviews, wrote progress reports, coordinated contracts with related contractors, and negotiated payment of work change orders for an expansion at JFK International Airport in Queens, NY, for the Port Authority of New York and New Jersey (PANYNJ). Mr. St. Cyr coordinated with engineers to solve design discrepancies. He oversaw the testing of the fire alarm, communications, and high-voltage distribution systems along with electrical and security operations. Mr. St. Cyr wrote RFIs, field reviews, and deficiency reports. He coordinated schedule impact work with the owner and facility management, and resolved inspection and code issues with PANYNJ. Mr. St. Cyr supervised 160 electricians under 3 contractors, and 25 technicians for the building management and fire alarm and security systems.

NYSE Generators - Senior Superintendent

Directed field operations in a $70 million retrofit design consisting of four standby generators on top of the New York Stock Exchange (NYSE) in Manhattan. Mr. St. Cyr coordinated the steel construction that supports the generators and its apparatus. The installation had to be performed without interrupting NYSE operations. He was responsible for supervision of iron workers, carpenters, roofers, sheet metal mechanics, plumbers, pipe fitters, electricians, and a general labor force. The total labor averaged 60 persons per week. Mr. St. Cyr attended weekly meetings with the owners, design team, and contractors.

George Bush Intercontinental Airport Terminal E - MEP Superintendent

Managed the installation, testing, and commissioning of life safety, security, and electrical distribution and fire alarm systems for the $210 million new concourse at George Bush International

Airport in Houston. Mr. St. Cyr supervised 150 electricians, 20 technicians, and 25 laborers representing four contractors during the expedited, 2-phase construction.

Continental Airlines Global Gateway - MEP Superintendent
Managed the completion of the punch list and commissioned electrical and security systems to open the new $180 million customs and immigration facility at Newark Liberty International Airport in Newark, NJ, for Continental Airlines. The project provided 24 passenger jet-ways along with Federal Investigative Services and Immigration and Naturalization Service facilities, which included conveyors; escalators; power and lighting; and systems for fire protection, fire alarm, and building security interface. Mr. St. Cyr supervised 87 electricians, 15 plumbers, and 6 building management systems technicians under 2 contractors. He coordinated with the Port Authority of New York and New Jersey on critical design and code issues. Mr. St. Cyr also directed contractors in an emergency situation when the fire sprinkler piping burst and flooded the baggage handling area. The damaged pipe was isolated and the area secured. All of the work was performed while the airport was in operation and without interference to airport functions.

Seminole County Jail Expansion - MEP Coordinator
Managed the MEP coordination for four buildings as part of a $30 million expansion of the county jail in Sanford, FL, for Seminole County. Mr. St. Cyr directed all MEP work performed in a 3-story housing unit, intake/release building, central energy plant, and active kitchen/laundry building. He coordinated with security personnel to schedule work in the active facility and reconciled contract design issues with the design team.

Colonial High School Ninth Grade Center - Superintendent/MEP
Managed the MEP installation and start up of two new academic and science centers at a $31 million educational facility in Orlando, designed to ease crowding at the main high school. The scope included a state-of-the-art athletic center and central utility plant, along with the renovation of the art center medical lab, administration building, and cafeteria. Mr. St. Cyr created the punch list and assisted with the project close-out for this LEED® certified project.

San Francisco County Replacement Jail No. 3 - MEP Superintendent
Completed a late contract with numerous coordination, damages, and design issues for a $150 million jail replacement in San Francisco. Mr. St. Cyr identified damages, the reasons for them, and implemented repairs. He managed the writing of field work directives, RFIs, and back charge notices. Mr. St. Cyr also coordinated work schedules, supervised 100 electricians and technicians, and scheduled electrical inspections.

NYSDCS Upstate Correctional Facility - Electrical Superintendent
Oversaw the electrical, life safety, and security systems for inmate housing, medical, and support facilities at a $150 million maximum security prison in Malone, NY, for the New York State Department of Correctional Services (NYSDCS). Mr. St. Cyr scheduled labor and material, verified that the work was performed on schedule, and managed pay requisitions. He performed electrical inspections and supervised 155 electricians under two different contractors and 25 security and communication technicians

Peter J. Eubank

SUPERINTENDENT

Mr. Eubank has more than 27 years of experience in construction management, general contracting, planning, architecture, and interiors. He has managed complex multimillion-dollar institutional and commercial projects, including educational, residential, and judicial facilities, for various municipal and private clients including the New York City School Construction Authority (NYCSCA), New York City Department of Citywide Administrative Services (NYCDCAS), New York City Department of Design and Construction (NYCDDC), and the Dormitory Authority of the State of New York (DASNY). Mr. Eubank is thoroughly familiar with all stages of the construction process, from pre-design through commissioning. He has been involved in pre-design site investigations; constructability reviews of design documents; and all aspects of construction management, contract administration, and project supervision.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
27

EDUCATION
BACHELOR OF SCIENCE, ARCHITECTURAL TECHNOLOGY; NEW YORK INSTITUTE OF TECHNOLOGY

CERTIFICATIONS
SITE SAFETY MANAGER CERTIFICATE; NEW YORK CITY DEPARTMENT OF BUILDINGS (NYCDOB)

TRAINING
SUSPENDED SCAFFOLD TRAINING CERTIFICATE; NYCDOB

OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH CERTIFICATION

OSHA 4-HOUR FALL PROTECTION

4-HOUR SUPPORTED SCAFFOLD USER RECERTIFICATION; NYCDOB

OSHA 30-HOUR CONSTRUCTION SAFETY RECERTIFICATION

COMPUTER SKILLS
PRIMAVERA CONTRACT MANAGER, PRIMAVERA EXPEDITION, PRIMAVERA P3, SURETRAK; MS OFFICE; TIMBERLINE

Project Experience

NYCDDC New York City Police Training Academy CM - Superintendent

Supervising and coordinating all subcontractors related to roofing and exterior work for East Campus structures of the new police academy, a 35-acre training facility for the New York City Police Department in the College Point section of Queens, NY. The $656 million design-bid-build project consists of two phases, and is being completed as a joint-venture for the New York City Department of Design and Construction (NYCDDC). The East Campus structures consist of the 349,000-sf academic building, a gate house for public entry screening and security, and a covered pedestrian bridge connecting to the West Campus. Mr. Eubank is overseeing trades for roofing and waterproofing, curtain wall and wall panel systems, exterior louvers, and ornamental metals. The LEED®-registered project is seeking certification to the Silver level.

NYCSCA Construction Management Mentor Program - Associate Project Manager/SCA Project Officer

Mentored and managed multiple contractors on various school capital improvement projects throughout New York City as part of the NYCSCA Mentor Program. The mission of the program is to foster growth and increase the participation of minority and women-owned business enterprise contractors and locally based enterprise firms in the city's construction community, by providing hands-on training during various school construction projects. Mr. Eubank assisted and instructed contractors in all aspects of the construction process, from scheduling, permitting, and project startup, through project closeout. As the SCA Project Officer, Mr. Eubank also served as the direct contact with school administration and community groups. Projects varied in scope from electrical upgrades and structural repairs to playground renovations and bathroom upgrades, and all work was deadline-driven and performed in fully occupied schools.

NYCSCA Emergency On-Call Construction Management Services - Superintendent

Supervised the work of several contractors on NYCSCA projects performed on an emergency basis for public schools throughout New York City. Mr. Eubank's responsibilities included on-site supervision and inspection, community and school relations, and reporting of work progress and manpower. He also performed investigatory work to determine sources or causes of ongoing problems in school structures. Most notably, Mr. Eubank oversaw the investigation and testing work at P.S. 69 in Brooklyn, NY, which successfully located the sources of water infiltration into the lobby of the building and repaired the water damage that had plagued this new building for three years since its completion.

DASNY Hunter College ADA Modifications - Construction Manager
Managed and supervised all prime contractors and subcontractors for Phase II of the DASNY upgrade of restrooms at Hunter College in Manhattan, to meet Americans with Disabilities Act (ADA) requirements. The upgrades took place in the North, East, and West buildings at the Main Campus at 68th Street. Mr. Eubank maintained relations with the client and the college, including continual monitoring of construction work to protect the health and safety of building occupants. He reviewed contractor requisitions and change orders, conducted progress meetings, coordinated with design consultants, and maintained the project schedule, project logs, and records. Mr. Eubank was also responsible for overall construction and project closeout.

NYCDDC Richmond Hill Group Home Addition and Renovation - Project Manager/Resident Engineer
Oversaw a $4 million addition and renovation project for the NYCDDC at the Richmond Hill Group Home, a foster care housing facility owned and operated by the NYC Administration for Children's Services in Queens, NY. Mr. Eubank performed prebid site investigations and constructability reviews of design documents, minimizing construction cost overruns for this construction management (CM)/Build requirements contract. He selected prospective contractors for bidders list, prepared bid documents, and conducted prebid conferences and the bid opening. Mr. Eubank conducted scope reviews, made award recommendations, and prepared and issued contracts. He acted as the sole on-site resident engineer for the construction phase of the project, during which he conducted client and progress meetings, reviewed the contractor's preliminary schedules, and maintained the combined construction schedule. Mr. Eubank processed submittals, requests for information, contractor and corporate payment requisitions, contractor change orders, CM services supplemental funding requests, and project acceptance and closeout. He also supervised daily demolition and construction activities, monitored site safety, and performed community relations and contractor oversight. Mr. Eubank prepared quality control reports, coordinated trades, and prepared punch lists with related inspection and sign-off.

NYCDCAS 60 Centre Street Restoration - Resident Engineer
Supervised and inspected all construction operations, including verification of contract quantities of work, for the façade and interior courtyard restoration of the Manhattan Supreme Court at 60 Centre Street in New York City for NYCDCAS. The scope of work involved the repair and replacement of the granite, terra cotta, masonry and steel members, and spandrel beams throughout the perimeter of the 9-story landmark building as a result of the findings of Local Law 11/98 inspections. Mr. Eubank maintained and updated project logs and schedule. The work was staged so that the courts could continue to serve 4,000 people on a daily basis during construction.

NYCDCAS Bronx Criminal and Family Courthouse ADA Modifications - Resident Engineer
Oversaw and inspected all construction operations for NYCDCAS modifications to the public areas, facilities, and holding cells at the Bronx Criminal and Family Courthouse in the Bronx, NY, to comply with Americans with Disabilities Act (ADA) requirements. Mr. Eubank maintained and updated the project schedule and logs and was responsible for project closeout.

NYCDCAS Bronx Criminal and Family Courthouse Garage Structural Repairs - Resident Engineer
Managed and inspected all construction operations, maintained and updated the project schedule and logs, and managed project closeout for NYCDCAS repairs to the courthouse garage in the Bronx, NY. Mr. Eubank oversaw the replacement of all structural slabs, electrical conduits and lights, and drains and drain lines.

Robert Dries

SENIOR MEP MANAGER

Mr. Dries has more than 35 years of experience in mechanical engineering, and has progressed from engineering design to field management of complex projects. He has extensive experience in both the public and private sectors overseeing mechanical, electrical, and plumbing (MEP) contractors, as well as security, building management system, and information technology (IT) trades. Mr. Dries has supervised field staff and managed inspections for projects ranging from $29 million to $3.1 billion, including transportation facilities, medical centers, commercial buildings, and industrial and production plants. He is skilled at supervising field work for HVAC, plumbing, fire protection, control system integration, and process controls piping. Mr. Dries has managed testing and commissioning of all process systems, and also provides experience with air and water side balancing for all service water systems.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
38

EDUCATION
MASTER OF MECHANICAL ENGINEERING; SEATTLE UNIVERSITY

BACHELOR OF SCIENCE, MECHANICAL ENGINEERING; SEATTLE UNIVERSITY

CERTIFICATIONS
FACTORY CERTIFIED TRAINING; SIEMENS ENVIRONMENTAL BUILDING AUTOMATION

FACTORY CERTIFIED TRAINING; ZENITH POWER SYSTEMS

FACTORY CERTIFIED TRAINING; ASCO SWITCH GEAR

FACTORY CERTIFIED TRAINING; ALLERTON CONTROLS

FACTORY CERTIFIED TRAINING; ECHELON DDC CONTROLLERS

FACTORY CERTIFIED TRAINING; GOVERNAIR AIR HANDLING UNITS

TRAINING
40-HOUR SITE SAFETY MANAGER TRAINING; NEW YORK CITY DEPARTMENT OF BUILDINGS (NYCDOB)

FATAL FALL PROTECTION TRAINING; LOCAL 1 ELEVATOR CONSTRUCTORS

Project Experience

PANYNJ One World Trade Center - Deputy Resident Engineer/Chief Mechanical Inspector

Managed daily site inspections covering 13 trades, including civil, architectural, and MEP, for the construction of One World Trade Center, a major project included in the redevelopment of the 16-acre World Trade Center (WTC) site in Lower Manhattan. The tower will include 3 million sf of office space on 71 office floors; shopping and parking; an observation deck on the 100th and 101st floors; a skyline restaurant; and broadcast facilities. One World Trade Center will be New York City's tallest skyscraper and the centerpiece of the new WTC complex for the Port Authority of New York and New Jersey (PANYNJ). The project has a goal of LEED® certification to the Gold level. Mr. Dries witnessed all inspections on the site, as well as equipment startup, and filed daily engineering, status, and safety reports. The field inspections included escalators, 90 elevator cars, and all vertical shafts for mechanical risers and elevators for 104 floors.

Delta Air Lines JFK Terminal Redevelopment Program - Field Inspector/Lead Field Engineer

Managing field work and providing field inspections to facilitate the commissioning of new construction and renovations at Delta Air Lines' Terminal 4 at JFK International Airport in Queens, NY. The renovations aim to ease congestion at airline baggage claim and security checkpoint areas. The scope of work includes a 110,000-sf headhouse expansion, gate extensions, taxi-lane and apron paving, utility infrastructure improvements, new emergency fuel shut off system, and tank farm refueling lines. Mr. Dries is conducting daily field inspections, overseeing subcontractors, reviewing punch lists, and providing arbitration with subcontractors, as part of the construction management (CM) process.

NYCT Consolidated Revenue Facility - Resident Engineer

Coordinated all of the MEP trades for the $279 million renovation of the New York City Transit (NYCT) revenue collection facility in Ridgewood, NY. Mr. Dries supervised a staff of three for the installation of four major Federal Reserve-class vaults, a 200,000-sf addition with more than 5,000 CCTV cameras, a No. 2 diesel fuel farm, 4 generator sets, 2 money counting rooms for paper currency, and 12 secure money processing rooms. The electrical upgrades included an uninterruptible power supply (UPS) supported power system and redundant power distribution. He also reviewed and rewrote project controls, generated punch lists, and managed construction commissioning.

Radio City Music Hall Renovation - MEP Superintendent

Supervised the daily operations of MEP trades for the overhaul of all major MEP infrastructure systems, part of a $600 million renovation of the landmark Radio City Music Hall in Midtown

Manhattan. Mr. Dries managed the replacement of the aging fire alarm system, redesigned and refined the environmental controls, and modified and tested the units to make certain that they delivered the proper environmental conditions for the facility. His team also provided individual lighting and environmental controls for the new dressing rooms for guest performers. The work was performed under a tight schedule to ensure the timely opening of the Christmas show and accommodate various other show schedules. The entire auditorium had scaffolding from floor to ceiling to allow mechanical and electrical trades to install new air side distribution air flow monitoring stations, new lighting, security and fire alarm devices, and a new acoustical ceiling system. Among the challenges that Mr. Dries encountered was adjusting the environmental controllers, which had been incorrectly configured and weren't providing the correct environmental space sequencing for the zones in the facility. He performed punch list generation, change order negotiation, and MEP coordination, as well as commissioning of mechanical and electrical systems and water/air balancing. Mr. Dries acted as the owner's resident engineer and was authorized to make engineering changes to the design on behalf of the owner, working closely with the design engineer to provide an operable system with enhancements.

Stony Brook University Medical Center Renovation - Field Superintendent
Inspected work by mechanical trades during the $80 million renovation of Stony Brook University Medical Center in Stony Brook, NY. The approximately 150,000-sf renovation included the hospital's emergency room departments, patient acute recovery center, and triage unit. Also included in the scope of work was the addition of a blood bank. Mr. Dries monitored the mechanical trades to make certain that work complied with drawings, specifications, and building codes.

Memorial Sloan-Kettering Cancer Center Renovation - MEP Superintendent and Project Manager
Oversaw the daily operations of MEP trades and redesigned the MEP system for the $500 million renovation of the premier cancer care facility in New York City. The major renovation and infill project placed a 6-story building on top of an existing building, framed and tied into three surrounding buildings, and included five medical units; as well as the pathology building. Mr. Dries guided field work for the erection of super columns and beams over hospital working clinics. He supervised the addition of a new mechanical equipment room to service a new Pathology Department, Pediatric Outpatient Department, Pediatric Intensive Care, Breast Cancer Surgical Suites, and 26 new operating suites with robotic radioactive isotope implant capability. Mr. Dries coordinated site work for the construction of four suites containing two linear accelerators and magnetic resonance imaging (MRI) machines. He also managed upgrades to supporting water systems, led survey work, provided design sketches, and redesigned the plumbing system at the facility. Mr. Dries performed MEP coordination, re-designs, field sketching, change order negotiation, air/water side balancing, and commissioning. In addition, he was selected by the client's Facilities Engineering Department to undertake special assignments related to existing hospital mechanical systems, including surveying, investigating, and recommending new design, as well as supervising the installation of new design enhancements.

Memorial Sloan-Kettering Hospital Outpatient Cancer Center - Mechanical Project Manager
Managed mechanical site work for the construction of a new outpatient cancer care center for Memorial Sloan-Kettering in Commack, NY. The $35 million project included two linear accelerators with supporting laboratories, radiology suites with magnets, outpatient care rooms, minor non-invasive surgical operating rooms and suites for magnetic resonance imaging (MRI), CAT scans, and mammography. Mr. Dries also guided the installation of equipment for nitrogen and methane recovery from gray water discharge.

John Bert

SENIOR MEP INSPECTOR

Mr. Bert has more than 45 years experience in the design and construction for various types of industrial and commercial projects. He has worked on projects in the public, government and private sectors as a design engineer, construction manager, resident engineer, and mechanical/electrical coordinator.

FIRM
THE HIRANI GROUP

YEARS OF EXPERIENCE
45

EDUCATION
ARCHITECTURAL TECHNOLOGY; PRATT INSTITUTE

CONSTRUCTION DESIGN; US ARMY CORPS OF ENGINEERS,

ELECTRICAL ENGINEERING; BROOKLYN TECHNICAL HS

CERTIFICATIONS
OSHA CERTIFICATION (CONSTRUCTION SAFETY AND HEALTH)

Project Experience

Nassau Community College Life Science Building - MEP Inspector

Providing construction management services relating to the inspection of the mechanical and electrical systems. Deliverables include daily reports and project correspondence to verify that all mechanical and electrical systems and components were incorporated as required.

DASNY Queens College NY New Life Science Building - Project Manager MEP

Responsible for construction of all mechanical, electrical, and plumbing installations. Manager for New York Dormitory Authority (DASNY), overseeing MEP contractors regarding design, installation, progress payments, change orders, testing, and acceptance.

Manhasset School District - Construction Manager/Project Manager

The latest project for the Manhasset School District was a $23,000,000 Capital and Bond project throughout the district during the summers of 2007/2008 and during 2007/2008 school year. The project scope included roof replacement, window replacement, masonry and stucco repairs, security upgrades, boiler replacement, new HVAC installations, new emergency generators and electric service installations along with interior building upgrades, ADA acceptability compliance, bathrooms, ceilings, flooring plumbing, etc.

Various Projects - Construction Manager/Project Manager

Projects worked on included:

- Cold Spring Harbor CSD Bond-Related Capital Improvement Program
- SUNY Purchase New Student Center, Purchase NY
- Lehman College Computer Center (Phase 11) Abatement and Renovation
- Kings County Medical Center, NY
- Teaneck Public Schools, NJ
- New York Power Authority Projects, Five Boroughs

Nassau County Department of Public Works Manager Bay Park Water Treatment Facilities - Construction Manager/Resident Engineer/On Site Electrical Construction

Responsible for all electrical construction projects including a new generating building, pumping stations, sludge dewatering building, and numerous process and support facilities. Mr. Bert managed projects from design specifications through scheduling, equipment purchasing, installation, testing, and closeout. He supervised field personnel, engineers, designers, and inspectors in coordinating with contractors and interpreting and fulfilling contract specifications and requirements, and had complete authority to make all decisions regarding all aspects of electrical projects.

Patricia Zander, P.E., PMP, LEED®AP BD+C

ENVIRONMENTAL SENIOR PROJECT MANAGER

Ms. Zander is a civil and environmental engineer with more than 15 years of experience working on educational and healthcare facilities, waste transfer centers, and parks and athletic fields. She is experienced in all phases of site development, including feasibility studies, facilities condition analyses, stormwater permitting, cost estimating, contract documents, and construction management. Ms. Zander has provided designs and technical support to achieve LEED certifications and is adept at procuring New York City Department of Environmental Protection (NYCDEP) approval and permitting. Her project management experience includes budget preparation, cost management, scheduling, and staff coordination.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
18

EDUCATION
MASTER OF SCIENCE, ENVIRONMENTAL ENGINEERING; MANHATTAN COLLEGE

BACHELOR OF SCIENCE, INDUSTRIAL DESIGN; UNIVERSITY OF THE ARTS

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND CONNECTICUT

Project Experience

NYCDDC New York City Police Academy - Environmental Project Manager/LEED Compliance Officer

Managing LEED requirements and documentation from preconstruction through construction closeout for the New York City Academy, which is designed for a LEED Silver rating and being built in two phases on a 33-acre municipal site in the College Point area of Queens, NY, for the New York City Department of Design and Construction (NYCDDC). The site is located on a former landfill later used as a New York City Police Department impound yard. Ms. Zander is also monitoring environmental strategies and identified a critical environmental issue missing from the design scope of work. She took a lead role in the bidding and procurement process for an environmental consultant subcontract. Ms. Zander is managing the preparation of the soil, air, noise, soil, stormwater, and groundwater plans for the construction phase. She successfully revised the remedial action plan (RAP) to allow soil reuse on site and procured the NYCDEP approval. Ms. Zander demonstrated that on-site soil reuse would eliminate the need for costly off-site hauling and disposal of low-level contaminated soil and would lower fossil fuel consumption. The RAP revision has led to a minimum project cost savings of $4 million.

NYCEDC New Stapleton Waterfront Project - Lead Civil Engineer

Prepared designs for new infrastructure, including buildings, municipal and state sewers, and stormwater drainage plans, for $52 million of upgrades on 36 acres of pending mixed development of the Stapleton Naval Homeport in Staten Island, NY, for the New York City Economic Development Corporation (NYCEDC). Ms. Zander procured the related permitting from the NYCDEP and New York State Department of Environmental Conservation. She also provided technical support to assist the successful effort to achieve a LEED Silver rating.

NYSDOT Route 9A Bikeway/Walkway Traffic Calming Structures- Senior Engineer

Designed grading and layout of proposed traffic-calming structures planned at 12 key vehicle crossings along the southbound Route 9A bikeway/walkway in Manhattan for the New York State Department of Transportation (NYSDOT). The structures, called table-tops, were an essential modification that simultaneously eliminate grade changes for bike riders at traffic crossings while slowing vehicular traffic proceeding across the table-top. Ms. Zander provided a design that incorporated existing grading, drainage, and utility structures and minimized impact to the bikeway/walkway infrastructure.

NYCEDC Whitehall Ferry Terminal - Project Engineer

Provided construction phase services for the construction of the new $176 million intermodal terminal in Lower Manhattan that serves the Staten Island Ferry and provides connections with

a new South Ferry subway station and access to four other subway lines, three bus lines, and taxis. Ms. Zander performed shop drawing review, prepared project data, modified drawings, and prepared responses to requests for information during construction of this project for the New York City Economic Development Corporation (NYCEDC).

NYCSCA High School for Architecture and Urban Planning - Lead Civil Engineer
Led the civil design and permitting process for a $47.5 million, 925-student, 160,000-sf high school in Queens, NY, for the New York City School Construction Authority (NYCSCA). Ms. Zander obtained approvals for a New York City Department of Buildings Builders Pavement Plan with special revocable consent considerations. She provided a workable strategy for obtaining recertification of the New York City Department of Environmental Protection Site Connection Permit as additional property was acquired during construction. Ms. Zander also crafted an alternate pressure test for high-density polyethylene underground detention piping.

Brooklyn Botanic Garden Visitor Center - Lead Civil Engineer/LEED Coordinator
Led the civil design and construction of a new Visitors' Center at the Brooklyn Botanic Garden in Brooklyn, NY. The project included new retail and exhibition space, a lobby, small café, offices, two outdoor plazas, landscaping, and restrooms. Ms. Zander established vertical and horizontal dimensional controls for the proposed building and reworked existing grades for new paths that would blur the distinction between indoor and outdoor spaces. In coordination with the structural engineer, she designed retaining walls, provided grading to integrate overlooks on the hill behind the new building with the upper floor, blending new plazas and paths in with existing travel ways. Ms. Zander also directed relocation of significant underground utilities, including a newly installed fiber optic duct and obtained New York City Department of Environmental Protection approval for the unconventional drainage system design. In addition, she modeled the hydrologic/ hydraulic response of the existing system under select storm events, and issued an analytical report to the Brooklyn Botanic Garden in support of its Master Plan initiative. The project won the 2008 Award for Design Excellence from the Art Commission of the City of New York.

Steven Prest, P.E.

RESIDENT ENGINEER

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
35

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; UNIVERSITY OF RHODE ISLAND

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND NEW JERSEY

Mr. Prest has more than 35 years of experience providing design and resident engineering services for federal, state, local, and international transportation projects, including roadways, railroads, bridges, and tunnels. Recently, he has performed resident engineering functions for Amtrak railroad tunnel and New York City Department of Transportation bridge projects. He is knowledgeable and experienced in transportation planning and design and has managed complex bridge and roadway rehabilitations. Mr. Prest has served as a lead designer on interstate, toll facility, and land-service highway projects for the New Jersey Department of Transportation and the New Jersey Turnpike Authority. In addition, he has provided support for many other projects, including construction cost estimating, specifications development, shop drawing review, project scheduling, constructability review, value engineering, and QA functions. Mr. Prest has the proven ability to coordinate multidisciplinary teams to bring engineering documents from the planning and permitting stages to final design and through construction.

Project Experience

Moynihan Station Development Corporation Moynihan Station Phase I CM - Senior Inspector

Inspecting structural, electrical and mechanical installations for Phase 1 of the expansion of Pennsylvania Station into the adjacent historic James A. Farley Post Office in Midtown Manhattan. The $325 million first phase of the project includes the expansion and enhancement of the 33rd Street Connector between Penn Station and the West End Concourse, which lies under the grand staircase of the Farley building. The firm is managing the extension and widening of the West End Concourse that will serve nine of Penn Station's 11 platforms. The firm is also managing the construction of new vertical access points and passenger circulation space; new stairs, escalators, and elevators from the platforms up to the station to meet ADA requirements; and entrances into the West End Concourse through the 31st and 33rd streets corners of the Farley building. This work will help to alleviate the congestion that exists in the current station footprint and at the platform levels. It also constitutes a critical first step toward the larger goal of building a new train hall in the Farley Building for Amtrak as part of its Vision for the Northeast Corridor under the Gateway initiative. In addition, the project will meet the goal of establishing a grand entrance at Penn Station for rail access.

PANYNJ Newark Liberty International Airport CTA Bridge, At-Grade Frontage Road, and Southern Access Roadway - Project Engineer

Performed an independent review of 90% design plans for the Port Authority of New York and New Jersey (PANYNJ) Newark Liberty International Airport (EWR) Redevelopment/Program Management group. Mr. Prest's review included the identification of major problems, conflicts in the design, insufficient details, and recommendations for improvements of technical or presentation aspects of the designs for a central terminal area (CTA) bridge, frontage road, and access roadway at the Newark, NJ, facility. He also participated in cost estimating for proposed new access roads and parking facilities during the early stages of the EWR 2000 program in 1988.

NYCDOT Queensboro Bridge Reconstruction - Assistant Resident Engineer

Provided resident engineering services through project closeout for the rehabilitation of miscellaneous components of the Queensboro Bridge in Queens, NY. The project included deck repairs and microsurfacing, drainage and lighting improvements, and installation of concrete barriers and traveler access platforms, as well as cleaning and repairs of the bridge tower and

anchor piers. Mr. Prest performed a condition assessment of eyebar heads and pins on the main bridge truss and oversaw repairs to stonework. He also assisted in the renovation of a historic kiosk and in the oversight of geometric improvements to the Queens approach lower roadway, which included replacement of two support columns for the Queensboro Plaza subway station.

Amtrak Fire Standpipe Systems Modification CM Phase III & Phase IV - Resident Engineer
Served as a liaison between Amtrak and the construction contractor, and supervising the inspection staff for the estimated $24 million modification to add deluge valve and air monitoring systems, along with several mechanical equipment rooms (MERs), to Amtrak's fire standpipe systems in the East and North River tunnels in Northern New Jersey and New York City. The scope of work incorporated air-vacuum isolation valves with fail-safe actuators for the rapid-fill deluge and leak detection systems, as well as installed air compressors to monitor system integrity. In another task, each segment of the 16-mile fire standpipe system had a dedicated MER added to serve as a control room. The construction also included the installation of associated piping, electrical power, conduit runs, and system controls. Mr. Prest oversaw the daily coordination with contractor operations, superintendents, and supervisory-level Amtrak and Long Island Rail Road support staff. He reviewed the contractor's materials and the procedures for incorporating materials into the project. Mr. Prest also supervised eight construction inspectors, scheduled work, provided relevant technical documents, responded to questions, and reviewed daily field reports. He reviewed, implemented, and documented the systems testing procedures. In addition, Mr. Prest reviewed, approved, and monitored the contractor's site-specific work plans, including hazard assessment and safety procedures.

NJDOT Rockaway Road over Morristown Line - Project Manager
Oversaw the feasibility assessment, final scope development, and initial design for the $6.2 million New Jersey Department of Transportation (NJDOT) replacement of the Rockaway Road Bridge over the NJ TRANSIT Morristown Line and Rockaway River in Morris County, NJ. During the feasibility assessment, studies were performed for a number of profile alternatives to maximize roadway sight distance while minimizing environmental impacts. Mr. Prest was responsible for coordination with survey and geotechnical subconsultants, environmental and cultural resources specialists, the client, and local officials. He oversaw preliminary design for a detour route and traffic study that was performed to determine impacts along the route. Mr. Prest held meetings with local officials and convened a public forum. During the final scope development process, he managed advanced design services, including a complete subsurface exploration program, utility discovery, and verification and preparation of preliminary right-of-way plans. Mr. Prest managed power outages that were required for work on structural borings adjacent to the electrified railroad, and coordinated schedule and safety requirements with NJ TRANSIT. He also oversaw preparation of a scope development package in support of the recommended alternative.

NJTA Intersection Improvements - Senior Project Engineer
Provided design services; coordinated with hydraulic, traffic, electrical, and structural engineering teams; and performed site investigations and quality assurance reviews for New Jersey Turnpike Authority (NJTA) intersection improvements, as part of a project to construct a new ramp from the turnpike to a traffic light at the intersection of the County Route 535 in South Brunswick Township. The project also included the expansion of Route 535 between the new ramp intersection and State Route 32.

Ruwan A. Rajapakse, P.E., AVS

RESIDENT ENGINEER

Mr. Rajapakse has more than 15 years of experience in project and construction management (CM), geotechnical engineering, tunnel design, and environmental remediation. His project management experience includes coordinating among disciplines, overseeing contractors and subconsultants, monitoring costs and schedules, and supervising safety procedures. Mr. Rajapakse is adept at preparing proposals, scope of work documents, work plans, and design drawings. He has recently worked on several task-order assignments for the New York City Housing Authority and the Triborough Bridge and Tunnel Authority, providing project management and cost estimating services.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
17

EDUCATION
MASTER OF SCIENCE, GEOTECHNICAL ENGINEERING; NEW JERSEY INSTITUTE OF TECHNOLOGY

BACHELOR OF SCIENCE, CIVIL ENGINEERING; UNIVERSITY OF MORATUWA, SRI LANKA

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND NEW JERSEY

CERTIFICATIONS
ASSOCIATE VALUE SPECIALIST (AVS); SAVE INTERNATIONAL

NEW YORK CITY 40-HOUR SITE SAFETY MANAGER CERTIFICATION

UNDERGROUND STORAGE TANK REMOVAL CERTIFICATION; NJDEP

OSHA 30-HOUR CONSTRUCTION SAFETY AND HEALTH

Project Experience

PANYNJ One World Trade Center and National September 11 Memorial & Museum - Estimator

Performed cost estimating for One World Trade Center and the National September 11 Memorial & Museum, two of the major projects included in the PANYNJ redevelopment of the 16-acre World Trade Center site in Lower Manhattan. Mr. Rajapakse had responsibility for providing cost estimates for structural aspects of these facilities.

TBTA Bronx Whitestone Bridge Emergency Structural Repairs - Resident Engineer

Supervised the contractor's activities, prepared reports and cost estimates, and performed change-order negotiations and closeout for emergency repairs to the 3,770-foot-long Whitestone Bridge spanning the East River from the Bronx to Queens, NY, as part of a $6 million on-call construction management and inspection services contract. The scope of work included repair of the connections between existing roadway stringers and floor beams, installation of additional reinforcing stringers and bearings under the existing roadway stringers, repair and reinforcement of existing floor beam brackets, and miscellaneous other steel structural repairs.

NYCDDC New York City Police Training Academy CM - Project Engineer

Providing CM services and engineering support for concrete superstructure work at the east and west campuses of the new New York City Police Department Academy in the College Point section of Queens, NY. Prior to that, Mr. Rajapakse monitored pile driving work at the campuses. He has resolved issues related to pile driving, pile load testing, and pile cap construction. Mr. Rajapakse has also overseen concrete pouring for foundations and superstructures. He is responsible for responding to requests for information, performing design reviews, reviewing submittals, and resolving engineering issues related to all the concrete work in both campuses of the project. Mr. Rajapakse is also performing change order estimating and coordination among disciplines for the construction of the academy, which is being built in two phases on a 33-acre municipal site. The facility is intended to earn LEED® Silver certification.

DASNY Namm Building Construction Management Services - Project Manager

Oversaw exterior modernization and interior renovation of an 11-story building at the New York City College of Technology campus in Brooklyn, NY, for the Dormitory Authority of the State of New York (DASNY). The building houses most of the college's classrooms and labs for general studies, as well as the registrar and other academic offices. The $13.3 in renovations included construction of a new limestone façade, installation of new windows, and repair of structural beams. The project also involved construction of a computer technology center with more than 200 workstations, a new cooling tower, ceiling work, and other upgrades to existing classrooms. Mr. Rajapakse supervised structural repairs to the roof slab, HVAC duct-

work installation, data wiring for computers, new plumbing for bathrooms, computer installations, electrical wiring, roofing, and general construction work. His responsibilities included inspection of structural repair work to the roof; coordination between the school, DASNY, and contractors; cost estimating; change-order negotiations; and closeout.

TBTA Randall's Island Robert Moses Building Interior Renovation - Resident Engineer
Provided daily supervision and coordination between disciplines, performed change-order negotiations, and prepared monthly reports for a boiler replacement and utility tunnel upgrade at the Triborough Bridge and Tunnel Authority (TBTA)'s main office facility on Randall's Island, NY. Mr. Rajapakse oversaw the demolition and replacement of the boilers; installation of a new vehicle lift, louvers, and electrical panels; and floor repairs. Work also included structural repairs to tunnel walls and beams, removal and replacement of weak concrete, structural investigations of the utility tunnel roof, electrical panel and communication cable upgrades, and rerouting of electrical wiring.

Amtrak East and North River Tunnel Fire Standpipe Installation CM - Safety Engineer/Project Control Cost Engineer
Coordinated several contractors in the $40 million installation of 76,500 feet of 6-inch-diameter fire standpipe in the East River and North River Amtrak tunnels in New York City. Mr. Rajapakse was responsible for project control, cost estimating, budgeting, cost forecasting, contractor payments, as-built drawings, and closeout. He supervised project safety, generated work summary and executive summary reports, attended meetings, created quantity tables and progress charts, and processed and reviewed change orders.

IDOT Galena Highway Tunnel - Project Manager
Designed a 1-mile, soft rock highway tunnel liner system for a tunnel in Galena, IL. The Illinois Department of Transportation (IDOT) project included full geotechnical engineering design of the tunnel lining, as well as preliminary designs for the drainage, lighting, and ventilation systems.

Hackensack Development Authority Meadowlands Water Tunnel - Engineer
Designed a water tunnel and earth-retaining structures at the Hackensack Meadowlands of New Jersey. Mr. Rajapakse conducted a design feasibility study and provided a design methodology in which he decided which geological profile to use, what structures to design, and alternatives to these structures. He also developed a construction methodology for the project.

Ruben Ciocci, P.E.

RESIDENT ENGINEER

Mr. Ciocci has more than 20 years of experience providing resident engineering services for large-scale transportation and infrastructure projects. His diverse experience includes bridge rehabilitation, pile and foundation work, utility relocations, and roadway reconstruction. Mr. Ciocci also managed the development of maintenance of traffic plans and critical path method scheduling. He has extensive knowledge of industry construction standards and is familiar with the policies and procedures governing projects for transportation agencies throughout the New York metropolitan area.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
22

EDUCATION
MASTER OF SCIENCE, STRUCTURAL ENGINEERING; ARGENTINA SUPERIOR TECHNICAL SCHOOL

BACHELOR OF SCIENCE, CIVIL ENGINEERING; MILITARY ACADEMY OF ARGENTINA

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

Project Experience

NYCDDC Northbound Whitestone Expressway Sewer Construction - Senior Resident Engineer

Provided construction management and engineering services for a $60 million storm and sanitary sewer installation for the DDC. The project scope also included new water mains and street lighting, as well as traffic signal engineering. Mr. Ciocci oversaw a nearly 1-mile-long installation of 9'6" x 9' storm sewers on piles along the northbound Whitestone Expressway service road from 25th Avenue to the Flushing River in Queens, NY. The installation also included siphon chambers.

NYCDDC Roadway Reconstruction - Resident Engineer

Supervised reconstruction of roadways in Queens and Manhattan for the DDC. Mr. Ciocci also oversaw the demolition of concrete structures; construction of new footings and retaining walls; and reconstruction of sidewalks, curbs, roadways, storm sewers, and street lighting systems.

TBTA Verrazano-Narrows Bridge Toll Plaza Improvements - Resident Engineer

Managing inspection services for widening the access ramps to the Verrazano-Narrows Bridge, connecting Brooklyn and Staten Island, NY, for the Triborough Bridge and Tunnel Authority (TBTA). The initial phase of this $55 million project involved improving traffic flow through the toll plaza and onto the bridge by removing eight tollbooths as well as various related elements such as concrete islands, utilities, canopy structures, electronic signs, and related utilities. Mr. Ciocci is inspecting the replacement of the Narrows Road south bridge over the existing Lily Pond Avenue exit ramp, as well as construction of a new eastbound connector ramp, and replacement of existing Ramp J3. In addition, he is inspecting construction of a new bridge carrying the Lily Pond Avenue entrance ramp over the new eastbound level connector and modifications to the deck carrying the Staten Island Expressway over Lily Pond Avenue. Mr. Ciocci is also inspecting the modification of existing stormwater treatment service as well as the installation of guiderails, concrete barriers, landscaping, pavement, and lighting on the new and reconstructed ramps. He is working closely with the contractor to complete work on schedule.

NYCDOT Rikers Island Bridge Deck and Repairs - Senior Resident Engineer

Oversaw staff and documentation related to the Rikers Island Bridge deck repairs for the NYCDOT. The bridge, over the East River, connects Rikers Island, the site of the city's largest correctional facility, with Queens, NY. Mr. Ciocci supervised engineering and construction for the replacement of existing overlay concrete and structural steel repairs, including the repair of existing deteriorated floorbeam web sections in the river spans that involved a reinforced area of web section loss with a repair plate on each side. He also oversaw the repair of existing deteriorated stiffeners in the approach spans and river spans, the repair of existing deterio-

rated stringer web sections in the approach spans, and the replacement of deck joint seals. Mr. Ciocci also supervised the repair of hollow-sounding areas and under-deck concrete spalls with overhead patching material and shotcrete, painting that involved power tooling and blasting structural steel, and the repair of cracked and spalled pedestals.

NYSDOT Region 11 Jamaica Avenue Bridge Replacement - Senior Project Engineer
Provided design review for the replacement of the Jamaica Avenue Bridge over I-678, the Van Wyck Expressway, in Queens, NY, for the NYSDOT. Mr. Ciocci conducted the design review and submitted it to the NYSDOT for the bridge roll-in/roll-out operation. The project involved the removal of the 110-foot superstructure, removal and relocation of abutments, and installation of a new 2-span continuous bridge that was 28 feet longer than the existing bridge. Mr. Ciocci reviewed calculations and submitted new structural steel drawings for review by NYSDOT. He focused on the jacking procedures and pulling systems during the roll-in/roll-out operation, which was designed as a sled on fixed rollers. Mr. Ciocci also supervised the construction of retaining walls and the temporary support of excavation at the abutments, using H piles, tie-backs, and bored-in piles designed to avoid lateral loads in an adjacent subway tunnel. He also implemented a project safety plan for lifting operations, night lighting, demolition, and maintenance of traffic plans. He was also responsible for supervising a staff of engineers assigned to the project.

NYSTA Tappan Zee Bridge Deck Partial Replacement - Resident Engineer
Oversaw the contractor's safety installation of a working platform during the partial replacement of the Tappan Zee Bridge's west truss deck for the New York State Thruway Authority (NYSTA). The 3-mile-long cantilever structure across the Hudson River connects Westchester and Rockland counties. Mr. Ciocci supervised a staff of six for construction modifications to an existing longitudinal catwalk over river spans. Deck repairs included raising the top railings, installing a toe board, and repairing cracked floorbeam top flanges and web sections in river spans. Mr. Ciocci was responsible for inspecting orthotropic bridge deck construction, including saw-cutting and removal of bridge deck slabs, and replacement with new orthotropic bridge deck sections during overnight shifts. He also performed inspections and marked out repairs for damaged girders.

TBTA Whitestone Bridge Rehabilitation - Resident Engineer
Oversaw resident engineering services for the $15 million rehabilitation of the Whitestone Bridge for the TBTA. A number of components of the bridge, which crosses the East River and connects Queens and the Bronx via I-678, were rehabilitated, including the connecting viaduct, end ramps, and the approach slab. Mr. Ciocci oversaw a staff of four who developed plans for partial and full-depth deck repairs, using rapid set patching materials, as well as the removal and replacement of deck expansion joints. Other tasks included removing and replacing the overlay with rapid setting latex modified concrete, repairing spalled areas on the underside of the viaduct deck, repairing fixed bearings and resetting 16 rocker bearings, and upgrading and strengthening concrete beams.

Susan Wong, P.E.

RESIDENT ENGINEER

Ms. Wong is a resident engineer with more than 30 years of experience in inspection, design, and construction management for roadways, bridges, airport facilities, and wastewater treatment plants. She is well-versed in providing on-site resident engineering and inspection (REI) services, from reviewing staging plans to directing construction activities and managing field testing and commissioning. Ms. Wong is skilled in supervising and coordinating field work and inspections for all phases of construction and in ensuring all work conforms to contract plans and specifications. She has successfully executed road reconstruction projects in the New York metropolitan area for various agencies including the NYCDDC and is particularly skilled at verifying that all work is performed in accordance with project guidelines and client specifications.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
33

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; OHIO STATE UNIVERSITY

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND NEW JERSEY

Project Experience

NYCDDC 34th Avenue/Brookeside Street Storm Sewer and Water Main Reconstruction REI - Resident Engineer

Overseeing construction and environmental services for the $7.8 million replacement of the stormwater sewers in the Little Neck neighborhood of Queens, NY. The project is part of a NYCDDC requirements contract. Ms. Wong is providing day-to-day oversight of the installation of the new storm sewer system and replacement of water mains adjacent to the sewers. She is also responsible for ensuring that contractors comply with erosion control plans, stormwater pollution and prevention plans, and requirements of federal and state permits. The project's location, in a densely populated residential area surrounded by wetlands, necessitates special mitigation measures. The high water table requires the team to continuously pump water while work is being performed. Ms. Wong is overseeing the use of hydraulic features to treat and convey stormwater runoff into the wetlands area, including the installation of an outlet stilling basin. When installing pipes, the team is using only one feed from one direction. Ms. Wong ensures the system is connected at the end of each day to provide water to area residents. She is also monitoring the use of the pipe bursting method, a trenchless alternative, for the replacement of a section of water main under LIRR tracks that can't be disturbed.

NYCDDC Chatham Square Realignment - Resident Engineer

Provided on-site engineering services for the $18.2 million reconstruction of Chatham Square along Bowery Street from Canal Street to East Broadway for the NYCDDC. The project encompassed 10 streets in Manhattan, including major thoroughfares such as St. James Place, Worth Street, and Mott Street. The reconstruction required extensive traffic engineering, the establishment of park areas within the square, and landscaping and refurbishing of the existing Lin Ze Xu and Confucius statues. Ms. Wong provided REI services for the rebuilding of the streets and sidewalks, as well as for the installation of new drainage, traffic signals, streetlights, 36-inch trunk water mains, and appurtenances. She also supervised excavation, compaction of sub-grade, form preparation, and concrete placement for curbs and sidewalks. Ms. Wong managed the adjustment and modification of existing utility structures and the paving of new asphalt concrete-wearing coarse. Additionally, she verified strict maintenance and protection of traffic guidelines during construction and inspected installations for new 36-inch, 20-inch, 12-inch, and 6-inch water mains, house connections, and hydrants.

TBTA Construction Inspection Services for RFK Bridge T-48 Roadway Replacement - Resident Engineer

Managed on-site engineering services for the $9.3 million rehabilitation of the Robert F. Kennedy (RFK) Bridge roadway surfaces for the TBTA. Ms. Wong supervised the removal of the T-48

overlay and installation of Stirling Lloyd Bridgemaster, a methyl methacrylate polymer slurry overlay, for all three spans: the Queens Suspended Span, the Harlem River Lift Span, and the Bronx Kills Truss Span. She oversaw the field office and inspection personnel; reviewed and approved contractor payments; and participated in meetings for construction, progress, change orders and negotiation, and staffing. The project was completed ahead of schedule and within budget.

NYCEDC Adams Street Reconstruction - Resident Engineer
Oversaw the $3 million reconstruction of a portion of a 10-lane major thoroughfare in downtown Brooklyn, NY, for the New York City Economic Development Corporation (NYCEDC). The project included the addition of a mid-block intersection for access to a new Marriott Hotel.

NYCDOT Ninth Avenue Bridge Reconstruction - Resident Engineer
Managed the $5 million reconstruction of a 300-foot-long, 10-span, steel girder bridge with a concrete deck over a New York City Transit subway line in Brooklyn, NY, for the NYCDOT.

NYCEDC Hollis Avenue Reconstruction - Resident Engineer
Coordinated on-site engineering services for the $5 million reconstruction of a commercial and residential roadway in Queens, NY, for the NYCEDC. Ms. Wong managed the construction of an entire stormwater drainage system and partial sanitary sewer system.

NYCDOT Lefferts Boulevard Bridge Renovation - Resident Engineer
Provided engineering services for the $4.5 million reconstruction of a 200-foot-long, 4-lane, 3-span, steel girder bridge with a concrete deck over the main line tracks of the Long Island Rail Road in Queens, NY, for the NYCDOT. Located in a densely populated neighborhood, the bridge is flanked on either side by retail stores on separate supporting bridges.

NYCDEP Newtown Creek Water Pollution Control Plant Main Building North Modifications - Project Manager
Guided modifications to the Main Building North of the Newtown Creek Water Pollution Control Plant in Brooklyn, NY, a $225 million renovation for the NYCDEP. Ms. Wong managed the replacement of the main sewage pumps, bar screens, and channel sluice gates; the installation of a new odor control system; and the extension of the screening wing to accommodate new screening conveyor and container handling equipment. She processed all payments and reviewed and approved the subcontractor's schedule of values and payments. Ms. Wong maintained the progress schedule, managed change orders, and participated in all project meetings and weekly management meetings. She also coordinated the submittal of Operation & Maintenance manuals and all equipment training.

NYCDEP Newtown Creek Water Pollution Control Plant Main Building South Addition - Deputy Resident Engineer
Managed the addition and upgrades to the Main Building South of the Newtown Creek Water Pollution Control Plant in Brooklyn, NY, a $225 million renovation for the NYCDEP. Ms. Wong coordinated construction management activities to provide new boilers, emergency turbine generators, and electrical switchgear, while maintaining a fully operational plant. She managed the startup and commissioning of nine 750-HP boilers and four 6-MW emergency turbine generators. Ms. Wong oversaw the field office and inspection personnel, reviewed and approved payments for four prime contractors, and administered construction schedules. She participated in meetings for progress, critical path method, change order and negotiation, and staffing.

Hemant Pereira, P.E.

RESIDENT ENGINEER

Mr. Pereira has more than 20 years in the field of transportation and infrastructure and construction management (CM) services for commercial, residential, and industrial facilities. He possesses in-depth knowledge and practical experience with all aspects of construction, construction inspection, estimating, bidding, construction planning, scheduling, contracting, financial planning, and reporting on the closeout process. As a contractor representative, Mr. Pereira has reviewed bid documents and final estimates, qualified subcontractors for bidding, issued requests for information (RFIs), worked out site logistics plans and sequences of operation for projects, identified schedule milestones, developed schedule recovery plans, negotiated contracts, offered alternative designs and products, reviewed progress and quality of work, prepared and monitored budgets, gathered pricing information through vendors and subcontractors, prepared payment cost breakdowns for monthly payment requisitions, prepared cost control tables and analyses for monthly owner reviews, monitored cash flow in coordination with the schedule, prepared/reviewed in-house punch lists, and maintained positive client/buyer relationships. He is currently completing projects with the NYSDOT and NYCDOT.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
23

EDUCATION
MASTERS OF SCIENCE, CONSTRUCTION MANAGEMENT; STEVENS INSTITUTE OF TECHNOLOGY

BACHELOR OF SCIENCE, CONSTRUCTION ENGINEERING; UNIVERSITY OF BOMBAY, INDIA

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

Project Experience

NYSDOT Reconstruction of Route 9A and Lower Manhattan Streets - FHWA Coordinator

Providing CM oversight on all street reconstruction projects resulting from the September 11th terrorist attacks on the World Trade Center (WTC) and the subsequent restoration efforts in Lower Manhattan, funded by FHWA under Emergency Relief. The project is receiving federal funding of $145 million. Mr. Pereira is reviewing design approval documents to verify if the project is aligned with the scope and design for FHWA funding. He performs reviews of plans, specifications, and estimates for acceptance and approval of the project for the NYCDDC to advertise for public bid. Mr. Pereira is also reviewing payment requests submitted by the NYCDOT and NYCDDC, as well as preparing compliance reports on payment and change order reviews.

NYSDOT Route 9A Project Management and Controls - Senior Inspector

Reviewing construction plans and schedules submitted for reconstruction of work on the Route 9A/West Side Highway in Manhattan. Mr. Pereira is coordinating designs with consultants and NYSDOT engineers to finalize repair details and specifications for restoration of compromised pavement and roadways. He has corresponded with the NYCDOT, NYSDOT, and other agencies to approve work zone traffic controls during reconstruction and performed initial and final field coordination meetings/inspections related to the permit process.

NYSDOT Route 9A West Street Promenade - Inspector

Reviewing consultant contract bills submitted for payments on this $300 million project to construct a tree-lined pedestrian promenade along Route 9A's vehicular zone from Battery Park City to West Thames Street, in Manhattan. The promenade also connects the bicycle path from Hudson River Park through Battery Park. During construction, Mr. Pereira made sure that the safety and accessibility of the area for pedestrians and bicyclists was maintained. This included protection from adjacent work zones and provision of detour routes during reconstruction of the bikeway and walkway. He also provided quality assurance for urban landscape features, including historic street lighting and promenade architecture, granite-paved surfaces, substantial plantings, insulation of new irrigation systems, and decorative precast crosswalks.

NYSDOT WTC Neighborhood Streets Reconstruction - FHWA Coordinator
Providing CM oversight on all street reconstruction projects resulting from the September, 11, 2001 attacks on the World Trade Center (WTC) and the subsequent restoration efforts in Lower Manhattan, funded by the Federal Highway Administration (FHWA), under Emergency Relief. Mr. Pereira is reviewing payment requests submitted by the NYCDOT and NYCDDC, as well as preparing compliance reports on payment and change order reviews. He is performing regular construction inspections on the progress of excavation, utility work, backfill, concrete sub-base, asphalt overlay, sidewalk, and granite curb installation. He also performs final punch list walkthroughs, and reviews of civil rights compliance.

NYCT Fan Plants Rehabilitation - Assistant Project Manager/Project Manager/QA Engineer
Supervised construction of two underground fan plant facilities for the New York City Transit (NYCT), located at 14th Street/Avenue D, and Old Slip in Manhattan. Mr. Pereira supervised the installation of new fans, asbestos abatement in manholes and tunnels, structural steel installation, communications work between NYCT's central station and advanced fan controls system, instrumentation and controls that included the development of software programming for automated fan functions, mechanical services, major electrical services and wiring, structural renovations, and restoration of the park and streets above the plants.

NYCHPD Apartment Building Construction and Rehabilitation - Senior Project Manager
Directed the $37 million construction and renovation of over 30 multifamily residential buildings in New York City for the New York City Department of Housing Preservation and Development (NYCHPD). The buildings held four to 20 units. For each of these mid-end projects, Mr. Pereira supervised all construction services, including complete interior demolitions, complete gut rehabilitations, renovations, asbestos abatement, interior and exterior structural stability and replacement of floor joists, restoration of brick façade and cornices, baseboard heating, spackling, painting, Department of Buildings (DOB) inspections, punch lists, and closeouts. He also directed installations of new interior framing and drywall, oak floors, steel stairs, concrete sidewalks and adjacent roadwork, windows, doors, hardware, appliances, compactors, lobby and building entry doors, security systems, plumbing, mechanical ventilation, sprinklers, electrical services, wiring and fixtures, and boiler rooms.

Marco Maiorano, P.E.

RESIDENT ENGINEER

Mr. Maiorano is a civil engineer with more than 15 years of experience providing resident engineering and inspection (REI) services and design for highways, roadways, and bridges. He has particular expertise with horizontal and vertical alignment analysis and design, and the development of construction staging and maintenance and protection of traffic (MPT) plans for highway and roadway projects. Mr. Maiorano has coordinated with transportation clients in the New York metropolitan area, including DDC, the NYSTA, the NYSDOT, the PANYNJ, and the NYCDOT.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
17

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; MANHATTAN COLLEGE

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

Project Experience

NYCDDC Grinding, Milling, and Roadway Repaving Program - Senior Construction Inspector

Provided inspection for milling and resurfacing projects as part of a DDC program to rehabilitate deteriorated streets and roadways throughout Manhattan and the Bronx, including Second Avenue in Manhattan. Mr. Maiorano monitored the contractor's compliance with MPT schemes, and health and safety regulations. He also prepared daily reports and pay quantities.

NYSTA/NYSDOT Jackson Avenue Reconstruction - Resident Engineer

Oversaw construction activities during a $2.5 million roadway widening project on Route 9A, Jackson Avenue, and Ravensdale Road in Westchester County, NY. The project was part of an REI contract with a private developer to support the construction of the new Ridge Hill Village in Yonkers in accordance with NYSDOT, the Town of Greenburgh, and the Village of Hastings standards and specifications. Mr. Maiorano managed the day-to-day oversight of inspection services, including supervising inspectors, preparing inspection reports, and developing solutions for problems in the field. The scope of work included various storm drainage work; the installation of a cast-in-place reinforced concrete retaining wall; soldier pile and precast concrete lagging retaining wall; new traffic signal foundations; and signals, milling, and paving in accordance with MPT guidelines set forth by the NYSDOT. The project also involved relocating an 18-inch-diameter sewer main in accordance with the Westchester County Department of Health (WCDOH) guidelines and the installation of permanent steel sheeting retaining wall.

City of Glen Cove Glen Cove Road Extension - Chief Inspector/Resident Engineer

Provided REI services for the extension of Glen Cove Road (Pratt Boulevard) in Glen Cove, NY, a locally administered federal aid project. Mr. Maiorano inspected pile driving and the installation of a precast arch bridge with architectural stone-face finish, reinforced concrete pier cap, and abutment substructure supported on concrete-filled steel pipe piles. He was also responsible for the redesign of the drainage system, as well as the design and inspection of traffic signals and controls. Mr. Maiorano inspected foundations, asphalt paving, drainage, lighting, utility relocation, landscaping, excavation of embankments and retaining walls. He also reviewed the installation of a weir, sheet piling and riprap, landscaping, and MPT.

NYSTA Tappan Zee Bridge I-87 Deck Replacement - Assistant Resident Engineer

Managed installation of new and removal of existing fiber-optic conduits from the west abutment to east abutment for the $150 million replacement of the Tappan Zee Bridge superstructure's inner three roadway lanes 3, 4, and 5, from Nyack Abutment to Bent 178 in Rockland County, NY. The scope of work included removal of the existing bridge deck, movable barriers, conduits, and some of the steel stringers as well as the reconstruction of existing keyway joints and steel diaphragm installation in east deck truss spans. The project also involved

removing and replacing existing deteriorated rivets along the top flange of existing steel floor beams, gusset plates of the lower chord of existing truss and connection gusset plate of existing lateral bracing members in main span. In addition to providing REI services, Mr. Maiorano oversaw installation of fiber-reinforced epoxy conduit for the entire length of the bridge. He also supervised the cleaning, prime coating, and painting of existing steel floor beams, cross bracings and inside face of bottom chords of main truss in the main spans and installation of upgraded necklace lighting and traffic speed signs.

NYSTA/NYSDOT Ridge Hill Village Bridge Replacement and Roadway Reconstruction - Resident Engineer

Provided REI services for the $25 million replacement of the Ridge Hill (Bates) Bridge over the New York State Thruway, widening of the northbound Exit 6A ramp, widening of Tuckahoe Road, and a new off-site ramp to the Sprain Brook Parkway in Yonkers, NY. Mr. Maiorano managed the day-to-day oversight of inspection, including supervising inspectors, preparing inspection reports, and developing solutions for problems in the field. He also solved issues resulting from changes in the field, including drainage, paving, geotechnical, and utility modifications. In addition, Mr. Maiorano made certain that stormwater was managed to comply with the New York State Department of Environmental Conservation regulations. The project is part of an REI contract with a private developer to support the construction of the new Ridge Hill Village in Yonkers in accordance with NYSTA, NYSDOT, and the City of Yonkers standards and specifications. The scope of work included the demolition and removal of the existing Ridge Hill Bridge in accordance with maintenance and protection of traffic guidelines set forth by the NYSTA. The project also involved construction of the replacement bridge, installation of a new culvert, and widening and improvement of Tuckahoe Road.

NYSDOT Reconstruction of Route 9A and Lower Manhattan Streets - Highway Engineer/Design Team Member

Responsible for the construction staging and MPT plans for the $350 million reconstruction of roadways near the World Trade Center (WTC) site in Lower Manhattan. The project scope included rebuilding Route 9A adjacent to the WTC site between West Thames Street and Chambers Street, creating a landscaped promenade, widening sidewalks on the east side of the street, installing pedestrian crossings across Route 9A, and rebuilding the playgrounds between West Thames and Albany Street.

Raymond W. Cholewka, P.E.

RESIDENT ENGINEER – STRUCTURAL

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
45

EDUCATION
BACHELOR OF SCIENCE; CIVIL ENGINEERING; THE COOPER UNION

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND NEW JERSEY

Mr. Cholewka has 45 years of experience in construction management of major transportation and wastewater projects, with special emphasis on bridge construction and rehabilitation projects for the NYSDOT, NYCDOT, and ConnDOT Highways and Bridges.

Project Experience

PANYNJ Bollard Project at Newark-Liberty, John F. Kennedy, and LaGuardia Airports - Resident Engineer

Supervised construction of crash barriers on the Port Authority Bollard Project at three major NYC Airports. The work involved constructability reviews and bid package preparations for 12 separate contracts plus construction management of two individual contracts at LaGuardia Airport (Terminals C & D).

NYCDOT 15th Avenue Bridge over Sea Beach Line - Resident Engineer

Supervised repair of cracked deck and sidewalk on 4 span 15th Avenue Bridge over Sea Beach Line (N Train) for the NYCDOT in Brooklyn, NY. Work included installation of micro silica concrete overlay on milled sidewalks and application of epoxy resin sealer to penetrate and fill cracks in precast post-tensioned piers. Attended safety training for MTA-NYC Transit Track Safety Certification. Worked closely with NYC Transit Inspectors & Flagmen at 18th Ave. & New Utrecht Ave. Subway Stations during General Outages.

New York City Department of Environmental Protection (NYCDEP) New Croton Aqueduct (NCA) Rehabilitation Project, New York - CM Site Safety Officer

Successfully reduced the accident rate by promoting compliance by the CM field inspection staff and the Contractor's work force with their respective Health and Safety Plans (HASP) for this $100 Million unique repair project. Updated the CM HASP and reviewed job hazard analyses for all major work activities. Participated in routine safety audits conducted by BEDC EHS representatives and documented all significant safety and environmental incidents with independent reports that identified root causes and recommended corrective actions.

NYSDOT Interstate 86 Upgrade of Route 17 - Resident Engineer

Supervised 12 inspectors and field office staff providing construction inspection services for the $65 Million Interstate 86 upgrade of Route 17 in Orange County for the NYSDOT (Region 8). This 9 mile stretch of highway from Exit 116 to Exit 121 at Middletown was successfully rehabilitated on time by using Primavera P6 software for schedule control. Sections of roadway were milled, rubblized, and resurfaced, including a 4-mile section with full-depth reconstruction. Three bridges underwent various repairs and upgrades including replacement of concrete deck, back walls, pedestals, and bearings. Also supervised the construction of a new multi-steel girder bridge carrying Route 17 over a future Town of Wallkill connecting road between two shopping centers in Middletown. Environmental considerations mandated the construction of six wetland mitigation areas on project. Work involved coordination with Metro-North Railroad personnel for the rehabilitation of an existing bridge carrying Route 17 over the Port Jervis Commuter RR Line.

NYCDEP Bowery Bay Water Pollution Control Plant - Resident Engineer

Supervised a field staff of 12 inspectors during construction for the upgrade of the NYCDEP Bowery Bay Water Pollution Control Plant in Queens, NY. This $200 million project included

construction of new process air headers for aeration tanks, installation of five new process air blowers, replacement of sluice gates and actuators for the final settling tanks and installation of new influent bar screens. In addition, successfully reconstructed concrete tanks, provided mini-pile foundations for temporary blowers and performed lead paint abatement for the removal of old piping and other hazardous waste material, following OSHA guidelines and procedures.

Connecticut Department of Transportation (ConnDOT) I-95 Rehabilitation - Resident Engineer

Coordinated and managed 18 inspectors and office staff involved in the supervision of construction for 7 replacement bridges along a one-mile-long section of Interstate I-95 in Bridgeport, Connecticut. Work included temporary sheet piling with tie-back anchor installations, reinforced-earth retaining walls, 8' diameter drilled shaft caissons, post-tensioned pier cap beams as well as curved steel girder erection, and placement of concrete for new abutments, wingwalls and bridge decks. This $122 million, six-year ConnDOT project required management of hazardous waste materials and other environmental concerns encountered along this heavily traveled transportation corridor. Work involved extensive coordination with Metro-North Railroad flagmen and power division personnel for four track outages necessary during existing bridge removal and new steel girder erection over catenary power cables of the New Haven Commuter RR line.

New York State Dept. of Transportation (NYSDOT) Kosciuszko Bridge - Resident Engineer

Performed as Resident Engineer in charge of the interim rehabilitation of this mile-long, 103-span viaduct carrying the Brooklyn-Queens Expressway (I-278) over Newtown Creek in New York City. This $18 million NYSDOT project involved the placement of a thin polymer concrete overlay on the roadway as well as extensive repairs of the steel truss spans and supporting concrete piers.

Carl Ortmann, P.E.

RESIDENT ENGINEER - STRUCTURAL

Mr. Ortmann has more than 25 years of experience in the successful completion of major bridge and highway projects, building foundations, power plant and transit structures. He has provided on-site administrative and technical supervision on heavy construction projects, directed multi-trade craft work forces and determined methods of construction, manpower levels, material quantities, equipment, temporary facilities and work schedules. In addition, he supervised all construction activities, materials and equipment received for compliance with company directives, contract drawings, specifications, approved submittals and standards of accuracy. Mr. Ortmann has been in charge of monitoring the quality of work completed and provides quality assurance as required, coordinated submittals to owners, overseen work progress and schedule compliance to ensure a completed project within budget and schedule, resolved field and drawing problems, and reviewed and implemented change orders. He coordinated scheduling of subcontractors and suppliers, reviewed project safety manual and monitored compliance with safety procedures.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
25

EDUCATION
MASTER OF SCIENCE, CIVIL ENGINEERING; MANHATTAN COLLEGE,

BACHELOR OF SCIENCE, CIVIL ENGINEERING; MANHATTAN COLLEGE

PROFESSIONAL REGISTRATION S
PROFESSIONAL ENGINEER: NEW YORK

CERTIFICATIONS
OSHA 30-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING

Project Experience

PANYNJ George Washington Bridge Lower Level - Team leader

Performed priority, safety and routine verification inspection of the lower level including the lower level roadway and framing, the bottom chord of the stiffening truss, the New Jersey abutment and New York anchorage, and the travelers including their support framing and connections. The purpose of this inspection was to determine the overall condition of the lower level structure and to identify structural and non-structural deficiencies.

PANYNJ Center Avenue Bridge over the Upper and Lower Approaches to the George Washington Bridge - Team leader

Performed inspection and verification of the existing condition of the bridge elements including the roadway, superstructure, substructure and appurtenances to determine the rehabilitation or replacement design options.

NYSDOT I-278 Staten Island Expressway Improvements - Senior Project Manager

Provided on-site project management for the $74.8 million I-278 Staten Island Expressway Improvement Project Contract D261292 including 2.78 Km of asphalt and concrete highway reconstruction including the demolition and widening of three bridges with precast concrete deck units and the construction of a new on-ramp using precast concrete deck units. Maintenance of site storm water run-off and implementing compliance with the environmental protection requirements for Brady's Pond. Installation of new drainage systems, new roadway lighting and ITS installations. Maintenance and protection of traffic included 4 stages of construction.

PANYNJ World Trade Center, Tower 1 - Project Manager

Served as a Project Manager for the $40 million construction of the 120,000-sf foundation for Tower 1 including rock excavation, support of excavation, drilling and grouting of rock anchors, placement of reinforcing steel and concrete for the core, building perimeter footings, slab on grade. Coordination with the PATH and Port Authority Resident Engineer's Office personnel.

NYCT Reconstruction of West 72nd Street Station - Project Manager
Served as a Project Manager for the $35 million completion of the renovation and restoration of the existing landmark station house, construction of a new station building including installation of elevators, lengthening of both existing platforms, complete electrical upgrade including new station lighting, floor and wall finishes, and expansion of Verdi Park pedestrian plaza. Coordination of over 40 subcontractors and suppliers.

New York Post Port Morris Printing Facility - Project Manager
Served as a Project Manager for the $22 million demolition and replacement of reinforced concrete 2nd floor of printing facility in Bronx, NY inserting area in stages while newspaper production maintained. Erection of structural steel to reinforce existing 80-foot-long floor trusses.

Astoria Energy Power Plant Phase 1 - Project Manager
Served as a Project Manager for the $9 million installation of structural steel support structure, unloading from barges and erection of 12 modular air-cooled condensers weighing 280 tons each, erection of steam duct and riser sections weighing up to 60 tons, and miscellaneous mechanical equipment for this plant in Queens, NY. Reviewed and submittal of crane placement and erection plans.

Newark International Airport Parking Structure - Project Superintendent
Served as a Project Superintendant for the $85 million construction of a six-level parking structure including erection of steel columns and support beams, erection of prestressed concrete double tee deck units, cast in place double threaded reinforced concrete helix access ramps. Installation of elevator shafts and elevators, site work, electrical work, erection of a prestressed concrete 3-span bridge and approach roadways, parking lot, entry and exit plazas and canopies in Parking Lot E. Coordination of subcontractors and suppliers.

TBTA Randall's Island Junction Structure and Bronx Truss over the Bronx Kill - Assistant Resident Engineer
Served as Assistant RE for this $145 million project including the Bronx Truss that has a main span of 383 feet and a total length of 1,217 feet. Project work included demolition of the existing substructure and superstructure on the Approach and replacement with new cast in place concrete substructure with precast concrete deck panels. The Bronx Truss reinforced concrete deck was removed and replaced with steel orthotropic deck panels on the Bronx Truss. Inverset deck panels were placed on the Queens-Bronx Mainline, and curved welded plate girders with composite reinforced concrete deck for the Junction Structure ramps.

Scott Plant, P.E.

RESIDENT ENGINEER - STRUCTURAL

Mr. Plant has more than 25 years of experience providing resident engineering services for many of the local transportation agencies in the New York and New Jersey marketplace, including: NJ Turnpike Authority, NYSDOT, NYCDOT, Metro-North Railroad and MTA-Bridges and Tunnels.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
26

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; UNIVERSITY OF SOUTH FLORIDA

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK AND NEW JERSEY

LICENSES AND CERTIFICATIONS
PTI BONDED POST-TENSIONING FIELD SPECIALIST, LEVEL 1

ACI CONCRETE CONSTRUCTION TECHNOLOGY COURSE RECERTIFICATION -

ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE 1

TSC NYCDOB 4-HR SUPPORTED SCAFFOLD USER CERTIFICATION

TRAFFIC CONTROL COORDINATOR

NJSAT ASPHALT PAVING CONSTRUCTION TECHNOLOGIST

OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH

Project Experience

Manhattan West Platform Brookfield Properties - Project Manager

This project involves the construction of a segmental girder platform over LIRR track to the Hudson Yards and Amtrak's Northeast Corridor. The platform is constructed with 16 segmental girders composed of 33 precast segments which are post-tensioned and grouted together to form one girder. The each girder is placed adjacent to each other on cap beam bearings to create the working platform for high-rise building construction. As Project Manager, Mr. Plant's responsibilities include management and supervision of independent 3rd party post-tensioning and grouting inspection, and secondary inspection of bearing installation, anchorage elastomeric coating, temporary post-tensioning and material handling.

14th Street Viaduct Construction Management - Resident Engineer

The existing 14th street viaduct is a 30 span, 1459 feet long bridge running east to west from Willow Avenue to Manhattan Avenue in the city of Hoboken, Hudson County, NJ. The viaduct crosses over several local streets such as Madison Street, Jefferson Street, Adams Street, Grand Street, Clinton Street and also NJ TRANSIT rail tracks towards the west end under Span 28. The existing bridge superstructure comprises of multiple steel girders in most of the spans except two truss spans - one over Adams Street and the other over the NJ TRANSIT tracks. The substructure units are steel bents supported on piles. The existing bridge structure has been showing signs of deterioration and has required a few emergency repairs. This contract is for providing construction management service for this project. As Resident Engineer, Mr. Plant's duties included being the Owner's direct on-site representative to the contractor, direct supervision of the Construction Project's Field Inspection/Engineering staff, performing quality assurance oversight of major items of work in progress and ensuring that the project is constructed in accordance with the plans and specifications for the owner.

Specific items overseen/inspected by Mr. Plant included:

- MPT on local roads
- Construction of pedestrian precast concrete tunnel and retaining walls
- Installation of lighting conduits and wiring
- Rock excavation for new abutment construction
- Substructure construction of reinforced concrete footings, pier columns and caps

Rehabilitation of Dodd Street and Clark Street Bridges - Resident Engineer
This project involved design engineering and construction inspection services for the Replacement of the Center Street Bridge over Third River in the Township of Nutley, and the Rehabilitation of Dodd Street Bridge over Second River in East Orange and the Rehabilitation of Clark Street Bridge over Toney's Brook in Glen Ridge. As Resident Engineer, Mr. Plant's duties included being the Owner's direct on-site representative to the contractor, direct supervision of the Construction Project's Field Inspection / Engineering staff, performing quality assurance oversight of major items of work in progress and ensuring that the project is constructed in accordance with the plans and specifications for the owner. Specific items overseen/inspected by Mr. Plant included:

- MPT on local roads
- Complete demolition of a temporary sidewalk bridge over Second River
- Superstructure construction of elastomeric bearings, precast concrete deck beams and barrier parapets
- Reconstruction of asphalt driveway aprons

NJTA New Jersey Turnpike Widening Program Contract 201 - Resident Engineer
This project included the construction of one mile of three northbound and southbound outer travel lanes, seven MSE walls, three steel-framed bridges, narrowing two existing bridges, VMS and static sign structures, tunnel and under-bridge lighting. As Resident Engineer, Mr. Plant was responsible for a constructability review program wide, construction inspection and material testing supervision, field issue resolution, utility and agency coordination, change order/claim resolution, and payment processing.

PANYNJ World Trade Center Vehicle Security Center - Estimator
This project included all estimation of work involved with the proposed construction of the Vehicle Security Center. As Estimator, Mr. Plant's responsibilities included performing quantity take-offs and developing costs for all building trade work.

Stephanie Dreher

ASSISTANT RESIDENT ENGINEER

Ms. Dreher is a project officer with experience providing oversight and assistance in managing preconstruction and construction activities for commercial, residential, industrial, and environmental projects, with a focus on understanding and resolving construction and drainage/water quality issues. She has experience overseeing contracts, assisting in auditing construction manager and contractor payments, checking costs, preparing change orders, performing concrete tests, and monitoring field work.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
6

EDUCATION
COURSEWORK TOWARD MASTER OF SCIENCE, CONSTRUCTION MANAGEMENT; STEVENS INSTITUTE OF TECHNOLOGY

BACHELOR OF SCIENCE, CIVIL ENGINEERING; MANHATTAN COLLEGE

Project Experience

PANYNJ One World Trade Center - Project Engineer

Providing program and construction management (CM) services for the design and construction of a new high-rise office building incorporating approximately 3.5 million gross sf of new construction, above- and below-grade, in a Class A office building complex at the World Trade Center site in Lower Manhattan. The project is a combination of modern, innovative architecture, sustainable design, and safety. It is also the most environmentally sustainable project of its size in the world, with design elements aimed at meeting requirements of LEED® certification to the Gold level. Ms. Dreher is reviewing the scope and pricing of post-award contract changes from contractors. She is also reviewing payment requisitions submitted by the contractors and walking the site to assess progress of contractors' work, including rough carpentry, resin matrix flooring, vinyl composition tile flooring, hollow metal doors, and hardware.

NYCHA Comprehensive Modernization of Walt Whitman and Raymond V. Ingersoll Houses - Project Engineer

Assisted the project manager in preconstruction and construction activities for Phase 2B and Phase 3A of the $160 million major renovation of the Walt Whitman and Raymond V. Ingersoll Houses in Brooklyn, NY. The NYCHA project included renovations to 602 vacant and occupied apartments, new spray foam roofs on 35 building, and the rehabilitation of 32 elevators in eight buildings. Ms. Dreher reviewed subcontractor prequalification packages, coordinated with contractors, reviewed project plans and specifications, and compiled and reviewed reports. She also compiled and reviewed change order packages, attended progress meetings, and walked the site to view the contractors' progress in the field. Ms. Dreher was the construction management point person for the review of asbestos abatement work plans to be sent to the client for approval. In addition, she reviewed and logged submittals from contractors.

NYCHA CM/Build Requirements Contract - Project Engineer

Assisted in managing preconstruction and construction activities for several projects as part of a construction management (CM)/build contract with the New York City Housing Authority (NYCHA). Ms. Dreher coordinated with contractors, reviewed subcontractor prequalification packages, reviewed project plans and specifications, and compiled and reviewed monthly and weekly reports. She also assisted the project managers in reviewing asbestos abatement work plans before they were sent to the client for approval. The contract consisted of renovation projects in the Bronx, NY, including exterior masonry repair and related work at the Middletown Plaza apartments for seniors; repairing exterior brickwork along with parapet and roof replacement at the Highbridge Gardens apartments; and the repair of precast, precast/prestressed, and cast-in-place concrete members at the substructure of the Morrisania Air

Rights, an apartment complex consisting of three high-rise buildings that tower over the Metro-North Railroad right-of-way. The contract also included roof replacement and related work at Unity Turnkey and Unity Plaza in Brooklyn, NY.

NYCHA IDIQ Construction Management Kingsborough Houses - Project Engineer
Assisting the project manager with coordination and oversight of construction activities for the $34 million renovation to provide major improvements for the 17-building Kingsborough Houses and Kingsborough Extension in Brooklyn, NY, under an indefinite delivery/indefinite quantity (IDIQ) task-order agreement with NYCHA. Improvements include exterior asbestos abatement, complete roof replacements for all buildings, replacement of the water tower at Kingsborough Extension, demolition of brick parapets to be replaced with metal railings, and exterior brick repair. Ms. Dreher is performing as the construction management point person for the review of asbestos abatement work plans to be sent to the client for approval. In addition, she is reviewing and logging submittals from contractors, compiling and reviewing reports and change orders, and coordinating with the contractor and subcontractors.

NYCHA Johnson Houses Phase IIA and Phase IIB Renovation CM - Project Engineer
Provided project management assistance during preconstruction for the construction management (CM) of the $60 million second phase of renovations to the James Weldon Johnson Houses in Manhattan. Ms. Dreher helped review project plans and specifications and assisted with the compilation and review of monthly and weekly reports. She reviewed subcontractor prequalification packages and reached out to potential bidders for the New York City Housing Authority (NYCHA) project. Ms. Dreher also assisted the project manager in coordinating with contractors after they were awarded contracts and reviewed asbestos abatement work plans before they were sent for approval by the client. The project included a roof replacement, elevator rehabilitation, and renovations to apartments.

Michael Roncevic

ASSISTANT RESIDENT ENGINEER

Mr. Roncevic is a project engineer adept at providing construction management services for educational facilities and residential renovation projects. He is experienced in supervising field work and processing submittals and change orders. Mr. Roncevic also has extensive knowledge of structural and reliability analyses, reinforced concrete, geotechnical engineering, and fluid mechanics.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
6

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; MANHATTAN COLLEGE

CERTIFICATION
OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING

Project Experience

MTA Capital Construction/LIRR East Side Access - Project Engineer

Performed design calculations for the East Side Access project, which will establish direct LIRR) service to Grand Central Terminal in Manhattan. The design work involved reinforced concrete beams, slabs, and ribs. Mr. Roncevic also compiled pre-blasting inspection reports and analyzed post-blast data.

Amtrak Fire Standpipe Systems Modification CM Phase III & Phase IV - Project Engineer/Inspector

Served as project engineer/inspector for the $24 million modification that will add deluge valve and air monitoring systems, along with several mechanical equipment rooms (MERs), to Amtrak's fire standpipe systems in the East and North River tunnels in Northern New Jersey and New York City. The scope of work will incorporate air-vacuum isolation valves with fail-safe actuators for the rapid-fill deluge and leak detection systems, as well as install air compressors to monitor system integrity. In another task, each segment of the fire standpipe system will have a dedicated MER added to serve as a control room. The construction also includes the installation of associated piping, electrical power, conduit runs, and system controls. Mr. Roncevic's primary responsibilities included reviewing Amtrak force account (labor) invoices and developing cost estimates and comparative cost analyses for contractor change order requests. He also acted as an on-site safety inspector and prepared daily field reports

NYCHA Johnson Houses Phase I Renovation CM - Project Engineer

Provided supervision of roofing, tiling, and plumbing renovation as part of the construction management (CM) of the $36.5 million Phase I renovation of the James Weldon Johnson Houses in Manhattan. The scope of work for this New York City Housing Authority (NYCHA) project comprised complete construction oversight for improvements to the four buildings including exterior masonry repairs, roof replacement, manhole bunker replacements and repavement, renovation of 488 kitchens, and 488 bathroom upgrades. Mr. Roncevic also oversaw check requisitions and payroll.

NYU Langone Medical Center Hurricane Sandy Recovery - Assistant Project Manager

Assisting the management of the $20 million rehabilitation of New York University (NYU)'s Medical Science Building, which was flooded and lost power following the unprecedented 13-foot East River storm surge caused by Hurricane Sandy. A temporary power system has been installed until a new permanent power generation facility is constructed. In order to continue sensitive scientific and medical research, university staff have been temporarily moved into other buildings within the NYU Langone Medical Center campus, until construction work is completed. Mr. Roncevic is supervising project field work, as well as overseeing document control. He's also acting as an on-site safety inspector and preparing weekly inspection reports.

Avenues World School Holdings, LLC Avenues: The World School - Project Engineer
Managed daily operations of field work activities and coordinated subcontractors for the $52 million adaptive reuse of a 1928 warehouse into a private school, complete with elevators, cafeteria, libraries, gymnasium, exercise room, playground, art and science labs, and Wi-Fi access. In addition, new plumbing, fire protection, and HVAC systems were installed. Mr. Roncevic reviewed payrolls, work tickets, change orders, and punch lists.

Westchester Community College Gateway Center CM - Field Engineer/Inspector
Processed submittals and stood in for the supervisor as part of construction management (CM) services for this 3-story, 70,000-sf facility in Valhalla, NY, that houses state-of-the-art classrooms, seminar rooms, a lecture hall, computer labs, and language labs. The $40 million project was completed on schedule and within budget, and is LEED® certified to the Gold level.

Manhattan College Parking Lot Surveys - Surveyor
Conducted civil surveys of the Broadway and Manhattan College parking lots in Manhattan with the use of a theodolite, rod and level, and measuring tape.

Laura Tornatore

ASSISTANT RESIDENT ENGINEER

Ms. Tornatore is a project coordinator with experience performing civil engineering and cost estimating duties for structural projects in the New York City metropolitan area. She currently provides engineering services for the One World Trade Center (WTC) and National September 11 Memorial & Museum in Lower Manhattan.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
4

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; MANHATTAN COLLEGE

CERTIFICATIONS
OSHA 30-HOUR SAFETY AND HEALTH TRAINING

Project Experience

PANYNJ One World Trade Center - Project Coordinator

Performed construction management services for the $2.8 billion One WTC, a major project for PANYNJ in the redevelopment of the 16-acre WTC site in Lower Manhattan. At 1,776 feet tall, One WTC will be the centerpiece of the new complex and will encompass more than 3.6 million gross sf, including office space, restaurants, an observation deck, and broadcast facilities. The building will also house below-grade shopping and access to the PATH transit system and the World Financial Center. Ms. Tornatore attended bid meetings and prepared monthly bid packages. She also gathered information from weekly field visits and monthly requisition walk-throughs and negotiated the cost of change orders with contractors. In addition, Ms. Tornatore performed detailed takeoffs of drawings for estimating purposes, prepared requests for PANYNJ board presentations, and coordinated document control.

PANYNJ National September 11 Memorial & Museum - Project Officer

Providing construction management services for National September 11th Memorial & Museum on the WTC site in Lower Manhattan. Ms. Tornatore collected information from weekly field visits and monthly requisition walk-throughs, negotiated the cost of change orders with contractors, attended bid meetings, and prepared monthly bid packages. She also performed detailed takeoffs of drawings for estimating purposes, prepared requests for PANYNJ board presentations, and coordinated document control.

New Jersey Sports and Exposition Authority Meadowlands Xanadu - Project Coordinator

Completed numerous reports for project managers as part of the development of Meadowlands Xanadu, a 5-story retail and entertainment complex undergoing construction in the Meadowlands Sports Complex in East Rutherford, NJ. When completed, the Meadowlands will be the largest combined entertainment, sports, and retail complex in the United States, with 4.5 million sf of entertainment, sports, retail, office, and hotel space. Ms. Tornatore prepared several reports including quality control, ATPs, and invoices. She also responded to RFIs.

Charles Young
SENIOR INSPECTOR

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
35

EDUCATION
BACHELOR OF CIVIL ENGINEERING; TSINGHUA UNIVERSITY, BEIJING

Mr. Young has more than 35 years of experience as a superintendent and construction manager. He has performed planning and scheduling, coordinated with all trades, and completed construction management for quality control, site safety control, cost management, and payment control for the public and private sectors. Mr. Young had worked with the NYCSCA as a project manager and construction superintendent overseeing a variety of the agency's Mentor Program/Emergency Contract projects.

Project Experience

MSDC/PANYNJ Moynihan Station Phase I CM - Quality/Safety Inspector

Directly supervising comprehensive construction activities for the estimated $200 million development of a new train hall in the James Farley Post Office Building in Midtown Manhattan, with connections to New York Pennsylvania Station and Amtrak, NJ TRANSIT, Long Island Rail Road (LIRR), and New York City Transit service. This major transportation hub is being built in two phases by the Moynihan Station Development Corporation (MSDC) in partnership with the Port Authority of New York and New Jersey (PANYNJ). The firm is managing the construction of entrances to Penn Station from the Farley Building and new vertical access points to the platforms, thereby improving passenger access to the west side of platforms for all railroads. The firm is also supervising improvements to pedestrian concourses and platform ventilation, the creation of a waiting room for LIRR passengers. Included is construction of three fan rooms and an electrical substation and generator rooms in the moat area of the James Farley Office Building along 33rd Street. Mr. Young is overseeing daily construction activities with all trades on-site and monitoring the contractor's work plan, schedule, testing, quality of work, and safety procedures. Challenges he is addressing include coordinating complex project staging with contractor operations, Amtrak, and LIRR field support staff.

Amtrak Fire Standpipe Systems Modification CM Phase III & Phase IV - Quality/Safety Inspector and Project Engineer

Providing project engineering services between the client and the construction contractor on the estimated $24 million modification to Amtrak's fire standpipe systems in the East and North River tunnels in Northern New Jersey and New York City. Mr. Young is working with the construction management (CM) team to add deluge valve and air monitoring systems as well as 10 mechanical equipment rooms to the 16-mile system. He is coordinating with contractor operations, Amtrak, and Long Island Rail Road field support staff. In addition, Mr. Young is reviewing the contractor's submittals for equipment and materials used and verifying the compliance with Buy American requirements. He is also assisting in the review of contractor's change order requests, verification of the quantity, labor rate, and dollar amount, and performing independent estimates CM change orders. Mr. Young also directly supervises daily construction activities with all trades on site and monitors the contractor's work plans, schedule, testing, quality of work, and hazard assessment and safety procedures.

NYCSCA Mentor Program CM - Project Officer

Provided oversight of school capital improvement projects from inception to project closeout as part of the NYCSCA Mentor Program. The mission of the program was to foster growth and increase the participation of minority and women-owned business enterprise (MBE/WBE) contractors and locally based enterprise (LBE) firms in New York City's construction community,

by providing hands-on training during various school construction projects. Projects included interior room renovations and conversions, as well as exterior reconstructions and rehabilitations of school buildings and facilities for school projects throughout New York City. Mr. Young produced and maintained construction documents including scope of work and change orders. He guided and led mentor contractors through all project phases in accordance with contract documents and within budget restraints and deadlines. Mr. Young also coordinated with clients, project owners, and school staff, and oversaw safety and quality issues through the entire construction process.

NYCSCA Emergency On-Call Construction Management Services - Project Manager
Oversaw comprehensive construction management services on an emergency on-call basis for the NYCSCA for school projects in all five boroughs of New York City. Projects included work varying from small interior room conversions and renovations to large reconstructions of school buildings. Mr. Young completed all required work according to deadlines imposed by school occupation. He also provided diligent coordination with school stakeholders and made sure of safety and quality throughout the entire construction process.

NYCSCA P.S./I.S. 189 Renovations and Upgrades - Project Officer
Mentored and managed the general contractor, subcontractors, and vendors for all required paperwork, submittals, project issues, project meetings, payment requisitions, construction schedule, and project closeout for the New York City School Construction Authority (NYCSCA) at this elementary/intermediate school in the Bronx, NY. Mr. Young directly supervised daily construction activities on site for an electrical upgrade, retaining wall repairs, ice maker and plumbing drainage installation, ductwork and fire damper installation, temperature control systems, sub-slab depressurization system fan installation, and roof patching work. He coordinated with the NYCSCA senior project officer, architects, engineers, general contractors, subcontractors, and all trades from inception to construction to complete the project on schedule.

NYCSCA P.S. 153 Demo Science Lab - Project Officer
Directly managed the general contractor and subcontractors for all required paperwork, submittals, project issues, project meetings, payment requisitions, construction schedule, and project closeout for a new science lab at this elementary school in the Bronx, NY. Mr. Young supervised daily construction activities for asbestos abatement, new flooring, new lab furniture and equipment, electrical upgrade, and installation of plumbing piping and sinks. He provided coordination from inception to completion with the New York City School Construction Authority (NYCSCA), architects, engineers, general contractors, subcontractors, and all trades.

Jamal Ismail

SENIOR INSPECTOR

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
29

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; WEST VIRGINIA UNIVERSITY

Mr. Ismail has more than 29 years of experience providing a range of professional services for a wide variety of recreational, commercial, and transportation projects. His expertise includes performing oversight, management, and inspection services for significant roadway and bridge improvements for clients including the New York State Thruway Authority, the NYSDOT, the NJDOT, the NJTA, the PANYNJ, and Amtrak. Mr. Ismail has proven skills in managing high-visibility construction projects and in maintaining complete project and documentation control from the planning and permitting stages though project implementation, and is experienced in claim resolution and project close-out procedures for final acceptance.

Project Experience

Amtrak Fire Standpipe Systems Modification CM Phase III & Phase IV - Assistant Project Manager/ Construction Manager/Project Control Manager

Performing lead control requirements in estimating, contract administration and mitigation, cost control, scheduling, and risk and budget management for a $24 million modification that will add deluge valve and air monitoring systems, along with several mechanical equipment rooms (MERs), to fire standpipe systems in the East and North River tunnels in Northern New Jersey and New York City. Mr. Ismail is managing and maintaining contract requirements, owner expectation, and site-specific scope implementation throughout the active Amtrak tunnel system. Mr. Ismail prepares weekly progress charts and outages requests, as well as monthly reports for construction management (CM) requirements for the modification. He is maintaining and preparing all claim/change order analyses and recommendations to Amtrak and the LIRR for more than 130 potential changes. As a result of being on the committee for change orders, Mr. Ismail has helped solidify the $24 million project's requirements and intent.

NJTA Garden State Parkway Interchange 123 Improvements - Senior Inspector

Oversaw the inspection of $7.1 million in improvements to the Garden State Parkway connector to US 9 in Sayreville, NJ. The work included adding a lane to two mainline bridges; new ramps, lighting, drainage, and overhead sign structures; utility relocations; and asphalt pavement. Mr. Ismail coordinated extensively with utility owners, the NJTA, the NJDOT, NJ TRANSIT, and Conrail. Mr. Ismail also filled in as Acting Resident Engineer for part of the project

Amtrak East and North River Tunnel Fire Standpipe Replacement - Resident Engineer/Safety Inspector

Provided on-site engineering and safety oversight for the $30 million replacement of the fire standpipe system in the North River and East River tunnels, shaft throats, and the New York Pennsylvania Station sub-basement in Manhattan. Mr. Ismail implemented quality assurance and safety procedures and coordinated track outages with Amtrak operations and other host rail operations for contractor access to perform the work.

NJDOT Main Street and Union Street Intersection Improvements - Assistant Resident Engineer

Guided inspection of engineering services for improvements in Lodi Borough, Bergen County, NJ, that included widening of a roadway over a box culvert; relocation of lighting, drainage and signals; demolition; construction of a retaining wall; asphalt pavement; and daily maintenance and protection of traffic configuration.

NJTA Vince Lombardi Service Area Truck Parking Improvements - Senior Inspector
Oversaw quality assurance and quality control (QA/QC) for the construction of a new 5,700-sf truck driver rest facility in Ridgefield Park, Bergen County, NJ; for the New Jersey Turnpike Authority (NJTA). The project included demolition of an existing building, including asbestos abatement; construction of a new building and expanded truck parking lot, including earth excavation; drainage; new high-mast lighting; milling; and pavement of new and existing lots. Mr. Ismail tracked QA/QC, identified issues, and provided written reports to the client.

NJDOT Beesley Point Bridge Structural Evaluation - Assistant Team Leader
Oversaw a safety evaluation of a 4,000-foot-long bridge that formerly carried US 9 over the Great Egg Harbor River, connecting Upper Township in Cape May County to Somers Point in Atlantic County, NJ, for the NJDOT. Mr. Ismail employed BAR7 bridge analysis and rating software to perform the evaluation and compiled a summary of the results per NJDOT specifications.

Morris County DPW Mount Vernon Avenue Bridge over the Passaic River Replacement - Assistant Resident Engineer
Directed the $2.9 million replacement of a roadway bridge between the City of Summit and the Township of Chatham, NJ, by the Morris County Department of Public Works (DPW). Mr. Ismail monitored the removal of the existing steel structure and construction of a wider, 103-foot-long, single-span, pretensioned, prestressed concrete bridge.

NYCHA IDIQ Construction Management Hurricane Sandy Recovery - Estimator
Reviewed project worksheets and estimates provided by the Federal Emergency Management Agency (FEMA) and the NYCHA to capture damages from Hurricane Sandy at public housing properties citywide, under an indefinite delivery/indefinite quantity (IDIQ) contract. Mr. Ismail initiated field visits to perform site assessments with all parties involved. He provided supporting documents to FEMA, negotiated revised cost estimates, and provided comments and feedback. Mr. Ismail also prepared and submitted qualified additional costs to NYCHA for reimbursement through the Hazard Mitigation Plan per each development, as well as cost estimates for repairs within FEMA's guidelines to prevent or minimize future flood damages.

Ricardo DePaoli

SENIOR INSPECTOR

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
18

EDUCATION
BACHELOR OF SCIENCE, CONSTRUCTION MANAGEMENT ENGINEERING TECHNOLOGY; STATE UNIVERSITY OF NEW YORK

Mr. DePaoli has more than 15 years of experience managing contractors and subcontractors and inspecting construction work for compliance with specifications, contract documents, and safety requirements. He has experience estimating/processing change orders, performing scheduling, ordering materials, reviewing submittal logs, and submitting requests for information (RFIs). Mr. DePaoli has worked on numerous projects for the TBTA and various task-order contracts with the NYCSCA and NYCHA.

Project Experience

NYCDDC New Police Academy CM - Superintendent

Providing construction supervision for the fire alarm system installation at the academic building on the 33-acre campus of the new police academy in the College Point section of Queens, NY, a joint venture project for the NYCDDC. The design-bid-build project is being built in two phases. The $750 million Phase I comprises a new academic building, a physical training facility, and a central utility plant. Mr. DePaoli is also supervising the construction of mechanical bulkheads on the academic building. The LEED®-registered project is seeking certification to the Silver level.

NYCSCA Emergency On-Call Construction Management Services - Superintendent

Oversaw renovations and repairs performed by contractors and subcontractors on an emergency basis for schools in all five boroughs of New York City. Work under this contract included small interior room conversions and renovations; computer classroom upgrades; and electrical plumbing, flooring, sidewalk bridge, and brick pointing replacement. STV was responsible for quickly negotiating and mobilizing trades to make sure that continuous work was performed when facilities were available. Mr. DePaoli was responsible for safety compliance, contract and specification conformance by contractors and subcontractors, scheduling, attending job meetings, and record-keeping. All projects were completed on time and within budget, without injury or incident.

NYCHA Hurricane Sandy CIP Ocean Bay-Bayside - Superintendent

Contributed to a fast-track, multidisciplinary site assessment report and developed plans for installing new mechanical equipment at the Ocean Bay-Bayside apartments in Queens, NY, as part of an ongoing capital improvement program (CIP) for New York City Housing Authority (NYCHA) properties damaged by Hurricane Sandy. STV developed due-diligence options, schematic designs for the site, floor plans, building cross sections, one-line riser diagrams, and mechanical and electrical schedules. The plans call for raising the equipment above Hurricane Sandy flood levels, thereby making it eligible for Federal Emergency Management Agency (FEMA) funding.

TBTA Randall's Island Alternative Processing Center Renovation Rooftop HVAC Equipment Replacement Phase I - Inspector/Superintendent

Oversaw demolition and removal of old rooftop HVAC equipment and installation of two new 6-ton exterior heat exchangers with 10 interior air handlers at the TBTA Alternate Processing Center in Randall's Island, NY. The project also included electrical and mechanical upgrades and interior finishes. Mr. DePaoli's responsibilities included safety compliance, contract and specification conformance by contractors and subcontractors, estimating, and processing change orders.

TBTA Randall's Island East Ramp Garage - Inspector/Superintendent
Supervised the installation of four recessed vehicle lifts and three new exhaust reels at this Randall's Island, NY, garage facility. The project also included electrical and plumbing upgrades. Mr. DePaoli was responsible for safety compliance, contract and specification conformance by contractors and subcontractors, and participating in job meetings.

TBTA Randall's Island Water Main Installation - Inspector/Superintendent
Supervised the installation of 1,200 feet of 12-inch-diameter water main, including valves, that will service TBTA Building 104 in Randall's Island, NY. The project included trenching, shoring, installation, and testing of the new water main. Mr. DePaoli was responsible for coordinating safety compliance, contract and specification conformance by contractors and subcontractors, estimating, and processing change orders.

ESDC Atlantic Yards Relocation and Owner's Representative Services for Barclays Center Arena - Superintendent
Monitored progress to maintain schedule compliance by general contractors and subcontractors for the $4.9 billion Empire State Development Corporation (ESDC) development in Brooklyn, NY, featuring 17 new buildings — including the 670,000-sf Barclays Center Arena — for residential, office, retail, community facilities, parking, and possibly hotel uses.

NYC Rapid Repair Program for Hurricane Sandy Damage - Superintendent
Supervised the installation of boilers and electrical systems in residential homes in the Far Rockaways area of Queens, NY, which suffered extensive damage from Hurricane Sandy. During a 4-month period, STV assessed and oversaw emergency repairs, including permanent or temporary restoration of heat, power, and hot water, as well as limited repairs to protect homes from further significant damage. The Rapid Repairs program was offered by the City of New York, and has aided more than 1,000 families.

NYCHA Unity Plaza Turnkey - Inspector/Superintendent
Responsible for safety compliance and contract and specification conformance by contractors and subcontractors for $2 million in exterior repairs to the Unity Plaza Turnkey complex in Brooklyn, NY. The scope of the project included abatement of asbestos roofing material and lead paint, replacement of roofing, and masonry work including brick repair and re-pointing of mortar joints at bulkheads at the three 6-story housing units, which are occupied by approximately 475 tenants.

NYCDCAS One Center Street Building Repairs - Superintendent
Provided project management services, including field supervision, trade coordination, and daily contract administration, for the conversion of 9,500 sf of space into a state-of-the-art conference and training center at the landmarked Manhattan Municipal Building. Mr. DePaoli also oversaw major renovations, including the fire alarm, HVAC, partitions, electrical systems, and flooring, following damage from Hurricane Sandy.

Zaher Saliby

SENIOR INSPECTOR

Mr. Saliby is a senior construction inspector with more than 25 years of experience providing inspection of civil and electrical construction for various roadway projects in the New York metropolitan area. He is skilled in performing inspections of power supply and distribution systems, structural steel and concrete, steel bolting and welding, temporary shoring structures, and safety programs. Mr. Saliby is certified and trained by the American Concrete Institute, OSHA, and International Codes Council. He is also adept at performing soils inspection and testing.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
26

EDUCATION
BACHELOR OF SCIENCE, ELECTRICAL ENGINEERING; UNIVERSITY OF DAMASCUS (SYRIA)

CERTIFICATIONS
CERTIFIED CONCRETE FIELD TESTING TECHNICIAN GRADE 1; AMERICAN CONCRETE INSTITUTE (ACI)

TRAINING
STRUCTURAL WELDING INSPECTION; INTERNATIONAL CODE COUNCIL

STRUCTURAL STEEL AND BOLTING INSPECTION; INTERNATIONAL CODE COUNCIL

OSHA 10-HOUR TRAINING

NUCLEAR MOISTURE/ DENSITY EQUIPMENT TRAINING; NYSDOT

SITE MANAGER TRAINING COURSE; NYSDOT

OSHA ELECTRICAL REGULATIONS

Project Experience

NYCDDC WTC Campus Security Plan REI - Senior Inspector

Inspecting water and sewer installations for a $28 million contract with the NYCDDC to provide resident engineering and inspection (REI) services for infrastructure improvements around multiple security centers at the new 16-acre World Trade Center (WTC) campus in Lower Manhattan. The firm is inspecting roadway and streetscape improvements during preconstruction, construction, and post-construction. Mr. Zaher is inspecting excavation work around the No. 1 line subway station and the PATH station for installation of an upgraded water main and sewer system. He is performing inspections for the installation of the main catch basin, water and sewer mains, and sewer connections.

NYSDOT Route 9A Construction Management - Electrical Inspector

Provided a quality control review of a 200-foot-long, temporary pedestrian bridge in Lower Manhattan as part of a project to restore Route 9A (West Street), a major artery that was damaged by the September 11, 2001, terrorist attacks. The $10.5 million Liberty Street Bypass Bridge passes over West Street and is serving as a temporary bypass to allow construction of the Vehicle Security Center at the 16-acre World Trade Center site. Mr. Saliby was responsible for all electrical components of the L-shaped bridge, including identifying and interfacing with available power sources, new elevator construction and controls, and full lighting of the interior space of the covered bridge. He inspected the electrical schematic design, wire specifications, mechanical room, elevator specifications, conduits, and electrical panels. A challenging aspect of this project was making sure the electrical load schedule was calculated properly. Mr. Saliby confirmed that calculations were correct and that all wiring was installed according to National Electric Code standards.

NYSTA Tappan Zee Bridge Redecking Phase II - Senior Construction Inspector

Performed a quality control review of Phase II of the $148.8 million concrete deck replacement of this 3-mile-long bridge that carries the New York State Thruway across the Hudson River between Rockland and Westchester counties, for the New York State Thruway Authority (NYSTA). The bridge, which opened in 1955, carries about 140,000 vehicles every day, with volumes as high as 170,000 vehicles daily. Phase II replaces approximately 28 percent of the bridge's total concrete deck area, and is part of an ongoing $2.1 billion highway and bridge capital improvement program focused on rebuilding and upgrading the Thruway's infrastructure. Mr. Saliby inspected the steel structural retrofits, including drilling holes, bolt torque welding, and magnetic particle tests. He monitored the demolition and replacement of the deck panels, and checked tolerances for final geometry. Mr. Saliby inspected the installation of fiber communications cable, conduit, and special junction boxes. He also monitored the painting of the steel structure, asphalt milling and paving, and application of pavement delineation.

NYSDOT Korean War Veterans Parkway Overpass - Construction Inspector
Performed construction inspection services for a new $7.5 million, 370-foot pedestrian overpass that crosses the Korean War Veterans Parkway near Jefferson Boulevard in Staten Island, NY. Mr. Saliby led inspections for all maintenance and protection of traffic (MPT) and safety inspections, including inspecting existing superstructure and substructure demolition. In addition, he inspected the mechanically stabilized earth system, temporary shoring, storm drainage system, and street lighting. Mr. Saliby managed several contractors and made sure all New York State Department of Transportation (NYSDOT) specifications were followed.

Syria Ministry of Health Eye Surgery Hospital Addition - Former Electrical Inspector
Provided electrical design and inspection of permanent power supply and distribution to a $4 million 3-floor hospital facility addition for the Ministry of Health in Syria. The 10,000-sf, 100-room expansion included new hospital beds, office space, and emergency rooms, which included standard surgery and laser equipment. Mr. Saliby designed and inspected lighting, telephone and network communication systems, fire alarm and detection systems, and security systems. In addition, he provided medical missionary services, maintaining expensive and important medical equipment.

Private Client Makton Palaces - Former Electrical Designer/Workshop Manager
Managed and provided electrical design for the $8 million construction of two 2-floor, 1,500-sf royal palaces in Dubai, United Arab Emirates. Each 6-bedroom palace, one for the royal family and one for guests, consisted of a large luxury reception hall, dining room, children's play room, billiard room, and indoor pool, gym, and sauna. Mr. Saliby inspected daily workshop activities, including machinery maintenance and material procurement. He evaluated electrical designs, verified adherence to Dubai Electricity and Water Authority (DEWA) document requirements, and provided pricing and cost estimates.

Abdul Ranginwala, NICET III

SENIOR INSPECTOR

Mr. Ranginwala is a NICET III-certified construction inspector with more than 25 years of experience providing inspection services for roadway, bridge, and highway projects including concrete, asphalt, utilities, drainage, sewer and water main, electrical, and painting operations. He has been involved with numerous construction inspection projects for the NYSDOT, NYSTA, and other public agencies in New York and New Jersey. In addition, Mr. Ranginwala has received formal training in the maintenance and protection of traffic (MPT).

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
29

EDUCATION
BACHELOR OF SCIENCE, COMMERCE; UNIVERSITY OF KARACHI, PAKISTAN

CERTIFICATIONS
TRANSPORTATION ENGINEERING TECHNOLOGY, HIGHWAY CONSTRUCTION, LEVEL III; NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

TRAINING
OSHA 10-HOUR TRAINING

MAINTENANCE AND PROTECTION OF TRAFFIC SAFETY; NEW YORK STATE DEPARTMENT OF TRANSPORTATION

DESIGN AND OPERATION OF WORK ZONE TRAFFIC CONTROL; NATIONAL HIGHWAY INSTITUTE (NHI)

HOT MIX ASPHALT; NHI

Project Experience

NYCDDC 34th Avenue Storm Sewer and Water Main Reconstruction REI - Inspector

Provided inspection services for the $7.8 million replacement of the stormwater sewers in the Little Neck neighborhood of Queens, NY. The project is part of a DCC requirements contract. Mr. Ranginwala inspected the installation of a new sewer system and repairs to water mains while making sure contractors complied with erosion control plans, stormwater pollution and prevention plans, and requirements of federal and state permits. The project's location near a large area of wetlands necessitated special mitigation measures.

NYCDOT Manhattan College Parkway Reconstruction - Chief Inspector

Provided inspection services during this NYCDOT roadway reconstruction that included the installation of new combined sewers, water mains, street lighting, traffic signals, and fire alarm facilities along Manhattan College Parkway from Delafield Avenue to West 242nd Street and along West 242nd Street from Manhattan College Parkway to Broadway in the Bronx, NY. Mr. Ranginwala also provided extensive MPT.

NYSTA/NYSDOT Ridge Hill Village Bridge Replacement and Roadway Reconstruction - Senior Inspector

Oversaw inspection services for the $25 million replacement of the Ridge Hill (Bates) Bridge over the New York State Thruway, widening of the northbound Exit 6A ramp, widening of Tuckahoe Road, and a new off-site ramp to the Sprain Brook Parkway in the City of Yonkers, NY. The project was part of a resident engineering and inspection contract with a private developer to support the construction of the new Ridge Hill Village in Yonkers in accordance NYSTA, NYSDOT, and City of Yonkers standards and specifications. The scope of work included the demolition and removal of the existing Ridge Hill Bridge and the construction of the replacement bridge. This involved demolition, precast deck panel installation, precast concrete parapet walls, integral abutments, steel bearing piles, center pier construction consisting of cast-in-place reinforced concrete, installation of new steel beams, bridge railing and fencing, and 12-inch gas service, cable, telecom, 16-inch water main, signal communication, and street lighting installation. Work also involved the installation of a new culvert consisting of two 8-foot-diameter reinforced concrete culvert pipes to carry the Sprain Brook under the southern portion of the newly constructed southbound service road; temporary steel sheeting for the installation of culverts; stormwater detention system tanks including organic filters and flow control manholes; cast-in-place concrete headwalls; and a temporary stream diversion channel stabilized with riprap, in conformance with New York State Department of Environmental Conservation criteria for a variety of drainage improvements and areas of utility relocations. In addition, the scope of work included the widening and improvement of Tuckahoe Road and the installation of a new, off-site ramp to the Sprain Brook Parkway. This involved the construction of a new 2-lane, 500-foot service road, including full-depth rigid/bituminous

pavement reconstruction milling; guiderails; chain link fences; permanent concrete barriers; retaining walls (precast T-wall); backfill; grading; pavement markings; signage; and installation of traffic signals at new locations, including junction boxes, roadway loops, microcomputer cabinets/controllers, foundations, poles, and signal heads.

Metro-North Cortlandt Station Intermodal Access, Parking, and Route 9A Intersection Improvements - Chief Inspector

Performed inspections and reviewed contract plans to check compliance with proposal and standard specifications as part of resident engineering and inspection services for improvements at the Cortlandt Station in Cortlandt, NY. The scope of work included creating 730 parking spaces at the 9.5-acre site, along with a canopy-covered, intermodal drop-off plaza, covered walkways, a "green" restroom (composting facility), and a new parking pay station. The project also included an additional heated shelter with new lighting, signage, security call boxes, and bicycle racks on the north end of the platform, as well as the extension of a pedestrian overpass to the west side of the tracks where a new elevator, enclosed staircase, 220-sf waiting area, and 240-sf concession and vending area were added. Mr. Ranginwala inspected all work performed by the contractor, including piling and concrete retaining wall construction; lighting and utilities installation; structural steel erection; temporary protective shielding installation; excavation and trenching; paving; striping; installation of precast, prestressed concrete beams; construction of a new bridge abutment; rock removal; MPT; and installation of fill material. He maintained daily progress records, conducted biweekly meetings, monitored project schedules, processed contract payments, reviewed change orders, and issued monthly progress reports during the $21 million project. Mr. Ranginwala also reviewed inspection reports of products manufactured off site to make sure that they meet quality standards.

NYSTA/NYSDOT/City of Yonkers Ridge Hill Village Bridge Replacement and Roadway Reconstruction - Senior Inspector

Provided inspection services for the $22 million replacement of the Ridge Hill (Bates) Bridge over the New York State Thruway, widening of the northbound Exit 6A ramp, widening of Tuckahoe Road, and a new off-site ramp to the Sprain Brook Parkway in the City of Yonkers, NY. The project was part of a resident engineering and inspection contract with a private developer to support the construction of the new Ridge Hill Village in the City of Yonkers in accordance NYSDOT, NYSTA, and City of Yonkers standards and specifications. The scope of work included temporary steel sheeting for the installation of culverts; stormwater detention system tanks including organic filters and flow control manholes; cast-in-place concrete headwalls; and a temporary stream diversion channel stabilized with riprap, in conformance with New York State Department of Environmental Conservation criteria for a variety of drainage improvements and areas of utility relocations; and the installation of a new culvert. Work also involves the demolition and removal of the existing Ridge Hill Bridge in accordance with MPT guidelines set forth by the NYSTA and the construction of the replacement bridge.

City of Glen Cove Glen Cove Road Extension - Senior Inspector

Provided construction inspection during the extension of Glen Cove Road (Pratt Boulevard) in Glen Cove, NY. The $8 million project featured a new precast concrete arch bridge over the headwaters of the Glen Cove Canal and new roadways through environmentally sensitive wetlands. Mr. Ranginwala's responsibilities included roadway excavation and reconstruction, asphalt paving, drainage installation, cast-in-place concrete, curbs and sidewalks, and the installation of underground utilities. He also provided extensive MPT and prepared daily reports.

Alex Shell, NICET

SENIOR INSPECTOR

Mr. Shell is an inspector with more than 20 years of experience providing services for construction administration and inspection projects. He is providing construction management for a $50 million transportation project with the Triborough Bridge and Tunnel Authority involving the toll plaza on the Staten Island end of the Verrazano-Narrows Bridge. Mr. Shell is inspecting roadway modifications, drilling and concrete work, cold weather construction of a steel-reinforced concrete deck and barriers, mechanically stabilized earth walls with prefabricated reinforced concrete panels, and drainage structures. He is also inspecting the installation of H-piles and soldiers piles for retaining walls, as well as the installation of timber and precast legging and reinforced concrete pipes.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
22

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; CHERNOVTSY TECHNICAL COLLEGE

CERTIFICATIONS
NICET

Project Experience

TBTA Verrazano-Narrows Bridge Toll Plaza Improvements, Phase B - Construction Inspector

Providing construction administration and inspection services for improvements by the TBTA to the toll plaza on the Staten Island end of the Verrazano-Narrows Bridge, which is a major link in the interstate highway system connecting Brooklyn and Staten Island, NY. The $50 million project, to be completed in three phases, will remove 11 toll booths, relocate an HVAC unit, replace the toll plaza canopy roof, and improve access to the Staten Island Expressway (SIE). STV is providing construction administration and inspection services for Phase B, which will be completed in a 10-stage process over nearly four years. In addition to the removal of the remaining three toll booths and islands, this phase includes construction of a new eastbound lower-level connector ramp to the bridge, retaining walls, and extensive roadwork to provide new on- and off-ramps to the SIE. Mr. Shell is inspecting substantial modifications to the Lily Pond Avenue intersection, which includes replacement of the 140-foot Narrows Road South on-ramps, construction of a 90-foot Lily Pond Avenue on-ramp bridge, and construction of manholes and catch basins. He is also inspecting drilling and concrete of a 60-foot, 3-foot diameter tangent pile, the construction of reinforced concrete abutment walls, erection of steel girders, and diaphragms. Mr. Shell is also providing inspection of cold weather construction of steel reinforced concrete deck and barriers, mechanically stabilized earth walls with prefabricated reinforced concrete panels, and 12-foot drainage structures. He is also inspecting the installation of H-piles and soldiers pile for retaining walls, installation of timber and precast legging, and installation of 24-inch diameter and 18-inch diameter reinforced concrete pipes. Mr. Shell is also inspecting the installation of expanded polystyrene fill at the Lily Pond Avenue ramp.

NYSDOT Wantagh State Parkway ITS and Lighting Upgrade - Inspector

Inspected conduit excavation and jacking operations and the installation of pull boxes and cabinets and electrical and fiber optic cables for the NYSDOT as part of the modernization of the Intelligent Transportation System (ITS) and lighting upgrade for the Wantagh State Parkway. The parkway is located approximately 30 miles east of Manhattan and links the Ocean Parkway at Jones Beach State Park with the Northern State Parkway in Westbury, NY. Project tasks included reinforcing the footing for overhead sign structures, camera poles, and lighting posts, and structural concrete testing. Mr. Shell also worked on the installation of corrugated beam guide railing, drainage structures, asphalt pavement, concrete sidewalks, and curb replacement.

Handycraft Corp. - Construction Project Manager
Performed estimating and scheduling for contracts to renovate offices and residences in the New York metropolitan area. Mr. Shell oversaw quantity take-offs and coordinated with inspectors of city agencies, material suppliers, and subcontractors.

Hilton Hotel - CM Project Manager
Oversaw the estimating, scheduling, and materials for the construction management (CM) of a Hilton Hotel facility in Parsippany, NJ. Mr. Shell provided communications and coordination with inspectors of city agencies, material suppliers, and subcontractors.

Chernovtsy Construction Corporation Residential Building Construction - Former Foreman, Shift Manager
Oversaw the process of manufacturing and erecting precast residential buildings in the Ukraine. Tasks included construction of foundations, pre-stressed reinforced concrete piles, utilities, and sidewalks.

John Mangione, NICET II

SENIOR INSPECTOR

Mr. Mangione is a construction inspector with more than 10 years of experience providing construction management (CM) services for transportation projects, specializing on bridges and roadways. He has also provided CM services on projects for security and education facilities. Mr. Mangione is proficient performing safety and quality control tasks in the field, as well as office tasks, such as the preparation of reports, requests for proposals, requests for information, schedules, and meeting minutes.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
11

EDUCATION
BACHELOR OF PROFESSIONAL STUDIES, CONSTRUCTION MANAGEMENT; PRATT INSTITUTE

CERTIFICATIONS
NICET LEVEL II HIGHWAY CONSTRUCTION

Project Experience

TBTA Verrazano-Narrows Bridge Toll Plaza Improvements, Phase B - Construction Inspector

Inspecting improvements to Staten Island end of the Verrazano-Narrows Bridge, which is a major link in the interstate highway system connecting Brooklyn and Staten Island, NY, for the TBTA. The $50 million project, to be completed in three phases, will remove 11 toll booths, relocate an HVAC unit, replace the toll plaza canopy roof, and improve access to the Staten Island Expressway (SIE). The firm is providing construction administration and inspection services for Phase B, which will be completed in a 10-stage process over nearly four years. In addition to the removal of the remaining three toll booths and islands, this phase includes construction of a new eastbound lower-level connector ramp to the bridge, retaining walls, and extensive roadwork to provide new on- and off-ramps to the SIE. Mr. Mangione is inspecting formwork, concrete and asphalt placement, bridge deck modifications, drainage, and milling and paving for the on-ramp

NYCDOT Bridge Design and Reconstruction - Construction Inspector

Performed field inspections of bridge design and reconstruction projects for the NYCDOT Division of Bridges. Mr. Mangione compiled inspection criteria, including sketches, photographs, and descriptions for the final report. He conducted inspections of the 96th Street Bridge over Henry Hudson Parkway in Manhattan, a pedestrian bridge on Navy Street in Brooklyn and another in Staten Island, the Northern Boulevard Bridge in Queens, and on a cross-island parkway overpass.

NYCDOT Annandale Road Bridge Reconstruction - Resident Engineer

Performed on-site project management duties on a Staten Island bridge for the NYCDOT. Since the Annandale Road Bridge crosses over the Staten Island Rapid Transit, Mr. Mangione developed scheduling for rail service with the affected railroad. He also maintained daily communication with the resident engineering office, served as the on-site equal employment opportunity officer, procured materials from an approved list, and coordinated construction activities with local utilities. He also prepared bid packages, purchase orders, company payroll, partial payment requests, submittals, RFIs, RFPs, change orders, and conducted value engineering analyses.

NYSDOT Staten Island Expressway New Lanes - Construction Inspector

Performed CM services for a $100 million roadway and bridge modernization of the Staten Island Expressway for the NYSDOT. The project's primary aim was to accommodate a new bus and high-occupancy vehicle lane, but the project also included widening three bridge overpasses, demolition of abandoned bridge structures, installation of new catch basins and manholes, construction of new mechanically-stabilized earth retaining walls and sound walls, installation of water retention ponds, and the erection of new sign and light pole structures. In

the field, Mr. Mangione performed compaction and sieve analysis testing of engineered materials, field-tested and sampled materials for compliance with NYSDOT standards, enforced site safety controls for workers and civilians, monitored compliance of lane closures with standards, and provided photo documentation of preconstruction and ongoing construction activities. He also generated daily reports using SiteManager software, logged contractors' work, documented in-place work for compliance to specifications, and filed weekly State Pollutant Discharge Elimination System reports.

NYSDOT Pedestrian Bridge Reconstruction - Resident Engineer
Performed on-site project management duties for the reconstruction of a Staten Island pedestrian bridge. Mr. Mangione oversaw the demolition and reconstruction of the bridge over the Korean War Veterans Parkway at Jefferson Boulevard for the NYSDOT. He maintained daily communication with the resident engineering office, represented the client as the on-site equal employment opportunity officer, used applicable NYSDOT software, procured materials from an approved list, and coordinated construction activities with local utilities. He also prepared bid packages, purchase orders, company payroll, partial payment requests, submittals, RFIs, RFPs, change orders, and conducted value engineering analyses.

NYCSCA Fast-Track High School Conversion - Construction Manager
Managed the fast-track conversion of a 48,000-sf warehouse in Long Island City, Queens, into a high school for the New York City School Construction Authority (NYCSCA). Mr. Mangione coordinated the building trades to meet a 16-week completion schedule, and attended weekly owner and subcontractor meetings. He also served as the safety liaison with NYCSCA personnel.

TSA Federal Air Marshal Service New York City Field Office Interior Build-Out - Project Superintendent
Supervised the interior build-out for the New York City field office of the Federal Air Marshal Service for the Transportation Security Administration (TSA) in Queens, NY. The facility was used as a multi-purpose training center with offices, a gun-cleaning room, and ammunitions bunker. Mr. Mangione managed construction of long-lead specialty items, including ballistic doors, frames, and partitions; a noise-attenuating slab; and a replica airplane fuselage for training purposes.

AOL/Time Warner and Lehman Brothers Alterations Projects - Project Superintendent
Supervised building modifications for high-profile clients, including AOL/Time Warner and Lehman Brothers. Mr. Mangione coordinated fast-track construction of disaster recovery space for companies displaced by the events of September 11, 2001, in New York City. He also managed on-call construction management projects for Bloomberg LLP.

Valter Cilka, NICET III

SENIOR INSPECTOR

Mr. Cilka has more than 40 years of experience as an inspector, site engineer, and designer for infrastructure projects, including roads, highways, and railroad facilities. He has expertise in inspection of a variety of construction elements, including rigid and flexible pavements, concrete, earth work, foundations, and utility installations. Mr. Cilka is skilled at providing site inspection from excavation, foundation, and construction to project completion. He was an inspector with the NYSDOT Region 11 for road and highway projects throughout New York City, and he was also a chief manager and designer of infrastructure projects for the Government of Albania.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
43

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; UNIVERSITY OF TIRANA, ALBANIA

CERTIFICATIONS
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET) LEVEL III

Project Experience

Metro-North Railroad Cortlandt Station Intermodal Access, Parking, and Route 9A Intersection Improvements - Inspector

Reviewing utility relocations and upgrades, along with signage, pavement, and marking, for the Route 9A intersection improvements, part of a 4-phase, $21 million project to improve Cortlandt Station in Montrose, NY, for Metro-North Railroad. STV is providing on-site project management and construction inspection services for a new 730-car parking lot, as well as a new access road from nearby Route 9A. Mr. Cilka is inspecting measures to prevent damage to the many utilities, both above grade and subgrade, affected by the installation of drainage structures, pipelines, signaling, and cables. He is reviewing safety measures for workers, and is also inspecting the complex maintenance and protection of traffic measures required to perform work around the 4-direction intersection with only one lane open at a time.

The Trust for Governors Island Redevelopment of Governors Island Resident Engineering and Design Review - Senior Inspector

Conducting inspections of electrical and concrete elements during $250 million in infrastructure improvements to redevelop Governors Island, located in New York Harbor, for the Trust for Governors Island. The firm, in joint venture, is providing resident engineering and design review services for this massive undertaking that will see more than 2,500 new trees planted and areas of flat topography transformed into rolling hills for viewing the Manhattan skyline. The first phase of the project, covering 64 of 150 total acres, comprises 15 interrelated projects, including landscape architecture to establish a new park; rehabilitating multiple ferry landings and approach platforms; reconstructing the seawall, its promenade, and drainage systems; restoring potable water and electrical distribution systems; and stabilizing historic buildings. Mr. Cilka is conducting on-site concrete testing per ACI standards, including the making of cylinders for off-site compression testing. He is also inspecting sanitary sewers on piles, storm sewer construction, and extensive fill operations (up to 20 feet high, placed in 8-inch lifts), paving, precast decorative concrete curb installation, and Geofoam installation. In addition, Mr. Cilka is inspecting electrical components including wiring, manholes, conduit, transformers, switchgear, and illumination.

Town of Wilton Route 7 Reconstruction - Inspector

Provided inspection for a wide range of construction elements for the widening of four miles of Route 7, adding one lane in each direction, for the Town of Wilton, CT. Mr. Cilka reviewed the project excavation and the construction of small drainage structures, culverts, and bridges,

as well as the installation of electrical facilities and water and sewage structures. He also inspected the new road embankment, new pavement, road signs, and landscaping, along with roadside safety elements including barriers and guard rails.

NYSDOT Region 11 Pavement Repairs/Requirements Contract - Inspector
Provided inspection services for both rigid and flexible pavement repairs on major highways in New York City as part of a requirements contract with NYSDOT. Mr. Cilka inspected the asphalt pavement repairs along four miles in all three westbound lanes of the Staten Island Expressway and inspected repairs to the concrete slabs in all lanes of the Korean War Veterans Memorial Parkway, both in Staten Island, NY. Mr. Cilka also inspected the asphalt pavement repairs along five miles of all lanes of the Clearview Expressway in Queens, NY.

NYSDOT Region 11 Cross Bronx Expressway Corridor Intelligent Transportation System Improvements - Inspector/Transportation Inspector
Monitored the testing and installation of equipment improvements to the intelligent transportation system along the Cross Bronx Expressway in the Bronx, NY, for NYSDOT. Mr. Cilka inspected steel conduits, electrical, fiber-optic cables, cabinets, cameras, variable message signs, and vehicle detectors, as well as the landscape restoration of the surrounding area. Mr. Cilka reviewed as-built drawings and other final project paperwork. In an earlier phase of the project he inspected the earth and concrete work, manhole installation, restoration of pavement, and installation of utilities including water, electrical, and telephone.

General Road Directorate of Albania Infrastructure Projects - Former Chief Manager/Project Manager/ Designer
Managed and performed inspections for highway and roadway construction projects and prepared bid documents for more than 40 infrastructure projects for the Government of Albania, including the Tropoje National Road, Gramsh National Road, and the Bence Bridge along Tepelene National Road. Mr. Cilka performed measurements and made calculations, prepared layouts and diagrams, and ascertained project specifications. He analyzed engineering schematics, produced design and shop drawings, and provided design recommendations for 150 km (93 miles) of rural roads and 140 km (87 miles) of highways. Mr. Cilka prepared budgets and cost estimates for labor and material. He also prepared and maintained construction schedules in conjunction with design engineers, reported on work progress, and made sure of compliance with safety regulations.

General Road Directorate of Albania Highway Construction - Former Project Manager
Managed the design and construction of major highway projects for the Government of Albania, including the 55-km (34-mile) Tirana-Durres Expressway, 140-km (87-mile) Tirana-Shkoder Expressway, and the 70-km (44-mile) Durres-Macedonia Expressway. Mr. Cilka provided project control and approvals of roadway design and construction operations. He managed budgets, prepared overall estimates of labor and materials, and monitored design procedures in accordance with engineering documentation. Mr. Cilka also visited sites, facilitated land planning, prepared reports on construction work in progress, and confirmed specification conformance.

State Road Enterprise Road Construction - Lead Engineer
Developed all construction phases for road projects in Albania. Mr. Cilka prepared and reviewed project documentation and specified engineering mark-ups. He verified design drawing, provided adjustments, and resolved technical and design problems.

Reynaldo Libunao

SENIOR INSPECTOR - ELECTRICAL

Mr. Libunao has more than 15 years of international and domestic experience with project management, power, telecommunications and lighting distribution design for residential, commercial, educational, recreational, infrastructure and marine facilities. He is a proven team player with the ability to coordinate with people. In addition he has excellent organization skills and is able to use different tools to streamline the design process and generate accurate calculations.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
18

EDUCATION
BACHELOR OF SCIENCE, ELECTRICAL ENGINEERING; MAPUA INSTITUTE OF TECHNOLOGY, MANILA, PHILIPPINES

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: PHILIPPINES

Project Experience

NYCDEP WP-283 Newtown Creek WPCP Plant Upgrade - Senior Electrical Inspector

Oversees the new construction of the Central Residuals Building (NC-41) and the Upgrade of the existing South Battery (NC-47). These projects are Wick's Law contracts, covering four prime contractors (G – Structural, E – Electrical, P - Plumbing and H – HVAC). Contract NC-41 is the construction of the Central Residuals Building, consists of a Secondary Screening, a Grit Disposal, Skimming Systems which segregates and channels this primary treatment residual to dumpster containers for proper disposal. This treatment process has a Consent Order Decree Milestone of $20 million from the state and federal authorities that will be achieved more than one year ahead of schedule for the City of New York.

Contract NC-47 provided the full upgrade of the existing South Battery consisting of a grit removal facility, aeration and settling tanks, and a return activated sludge pumping station, similar to the new North and Central Batteries. All aeration tanks will be covered and provisions made for a process air system including blowers, odor control and a polymer feed system. Odor equipment and controls will be in the newly constructed South Control Building. Contract NC-47 also includes the wrap-up of miscellaneous items in the North and Central Batteries such as modifications to the spray water nozzles, the spray water system and the seal water system.

- Responsible for enforcing the National Electrical Code, New York Electrical Code and other related codes and regulations, including Department of Environmental Protection Construction Rules and Regulations. Interprets codes in the field. Authorizes acceptable alternative methods of code compliance within limits of authority.
- Works under the guidance of the Project's Resident Engineer
- Reviews Contract Documents to address possible conflicts in advance. Formulates "Request for Clarifications (RFC)" to the Engineer to resolve conflicts
- Review "Request for Information (RFI)" from Contractors to make recommendations to the Engineer and shorten review process
- Maintains close coordination with other trade inspectors to assure nothing is compromised
- Performs field investigations of electrical activities, assuring all applicable code requirements are satisfied and corrected by the electrical contractor. Activities involved installation of conduit, wires/ cables, enclosures, panel boards, disconnect switches, Motor

Control Centers, Substations/Transformers, Automatic Transfer switches, Local Control Panels for Power, Lighting, Fire Alarm, Access control, Public Address, Communications, LV Controls, Gas Monitoring, and HVAC systems

- Conducted Fire Alarm System Inspection prior to AHJ Inspections to catch any issue that may cause the AHJ to issue a Letter of Defect or a Violation
- Address and correct issues in the field, if possible, to avoid delays
- Completes and maintains records of daily report of the electrical contractor's daily activities. Issues correction notices
- Conducted Equipment Testing for Acceptance
- Delegate work and provide guidance to electrical inspectors
- Evaluate Contractor's monthly progress payment requisitions. Reconciled contract changes and claims with the contractor
- Prepared a detailed punch list of unfinished or non-compliant installations

NYFD Berths 11 and 12 Rehabilitation Brooklyn Navy Yard - Electrical Engineer
Responsible for providing engineering services to the Fire Department of New York for the Rehabilitation and Upgrade of Electrical Service for Berths 11 and 12 at the Brooklyn Navy Yard. The upgrade included the installation of a substation at the dock to provide power for new electrical and mechanical equipment for the new vessels of the Fire Department.

U.S. Coast Guard Pier Reconstruction - Electrical Engineer
Responsible for providing engineering services to Arthur Henry Inc and Viteri Construction Management for the design-build of the reconstruction of the 300 ft section of Pier 4 at the U.S. Coast Guard Training Center in Cape May, NJ. The structure was designed with the utility trenches along both sides of the pier to accommodate new electrical and mechanical utilities for the USCG Vessels and the existing floating dock.

Pier 86 Intrepid Museum - Electrical Engineer
Responsible for the planning, design and assistance during the construction phase of electrical systems of Pier 86 for Hudson River Park Trust with costs of $30.5 million. The project consists of demolition of the existing pier and detail design of the new pier and design repairs. Participated in the design of the new facilities and landscaping on the proposed Upland Park.

Kwesi Amegah

SENIOR INSPECTOR – CIVIL/STRUCTURAL

Mr. Amegah has more than 25 years of multifaceted experience encompassing inspection, civil and structural engineering as a Civil Engineer. His experience in construction inspection and bridge inspections including completion of various in-depth inspection programs in the New York metropolitan area. He also has experience in civil design including roadway replacements involving drainage, sewers, utilities, curbs and sidewalks. In addition, his structural experience includes the removal, replacement and reinforcement of steel and concrete bridge elements.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
29

EDUCATION
BACHELOR OF SCIENCE; CIVIL/STRUCTURAL ENGINEERING; UNIVERSITY OF MICHIGAN COLLEGE OF ENGINEERING

CERTIFICATIONS
ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR (CCSI)

Project Experience

PANYNJ NY Marine Terminal, Howland Hook & Teterboro Airport PIDS - Senior Inspector

Responsible for inspection of building demolition at Howland Hook, Staten Island contractor oversight as part of work at NYMT. Mr. Amegah is participating in the testing phase and inspection of the perimeter intrusion detection system, fencing sensors and radar system both day and night at PANYNJ Airport. Also supervised the assembly of large erosion mats made of concrete sections encased in geotextile material being fabricated in Bayonne for future relocation and installation.

NYSDOT Route I-495 Mill & Fill Exit 57 to 64, Towns of Brookhaven & Islip & Village of Islandia - Senior Inspector

Provided inspection and other related services for $19.9 million project involving grinding existing asphaltic concrete wearing concourse and repaving. Inspection services also include site maintenance and safety protection.

NYCDDC Resident Engineering Inspection Services for HWCR08B, Citywide Milling Project Involving Grinding Existing Asphaltic Concrete Wearing Course - Inspector

Responsible for this $7 million project, providing inspection and other related services for projects involving grinding existing asphaltic concrete wearing concourse at various locations on an as-needed basis. Some issues that involve inspection services include site maintenance and safety, protect tree from construction debris, milling two inches of existing asphalt, smaller milling machine was used to grind asphalt in hard to reach places such as around catch basin or corner of a curb and a sweeper was used behind milling machine to clean up the debris. Tasks include all services necessary and required for the inspection, management and administration of this project, for the required construction work to be properly executed, completed on time and conforms to the plans, specifications and requirements of the construction contract.

NYCDDC Resident Engineering Inspection Services for HW2CR08B, Grinding and Milling of Various Streets in the Borough of Manhattan, NY- Senior Inspector

Responsibilities included inspection of milling of roadway pavement resurfacing in the borough of Manhattan for NYCDDC. Responsible for managing inspection staff, reviewing and approving field changes, resolving any construction problems, claims and disputes, supervision of contractor's work, processing of contractor's monthly payments, coordinated with the various community boards, NYCDDC and other related agencies.

ConnDOT, Construction Inspection Services for I-84 Widening between Waterbury and Cheshire - Senior Inspector

Provided inspection services for the widening of Interstate 84 between Waterbury and Cheshire, CT. Responsible for inspection of reinforced concrete pipes and the inspection of modifications made to existing interstate bridges. Also was responsible for the investigation of catch basins.

NYCDDC Resident Engineering Inspection Services for Richmond Road - Senior Inspector

Provided field inspection and preparation of daily reports for the installation of sewers, water main, and roadway replacement for this roadway in Staten Island, NY. The scope of work included the installation of a new 72-inch trunk main in Richmond Road between Narrows Road and Duzer Street and in Vanderbilt Avenue between Van Duzer Street and Tompkins Avenue. A new 60-inch water main was also installed in Swan Street between Van Duzer Street and Bay Street.

NYCDDC Construction Inspection for Capital Reconstruction Projects - Senior Inspector

Responsible for providing inspection on NYCDDC capital reconstruction projects, including replacement of major roadways in Brooklyn and Queens and associated drainage, sewer, utilities, curbs, and sidewalks.

NYCDOT Rehabilitation of Inwood Hill Park Pedestrian Bridge - Senior Inspector

Provided inspection services for the rehabilitation of bridge components including partial reconstruction of pedestals, repairs to bottom of staircase stringer, removal and replacement of landing plate, partial removal and replacement of deck, field cleaning and painting of staircase.

L. Brittany Griffis

INSPECTOR

Ms. Griffis is a project officer with experience in coordinating documentation and large-scale change orders and requisitions for multibillion dollar projects in New York City. She is also adept at the preparation and management of project records.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
3

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; POLYTECHNIC INSTITUTE OF NEW YORK UNIVERSITY

CERTIFICATIONS
OSHA 10-HOUR SAFETY AND HEALTH TRAINING

OSHA 30-HOUR SAFETY AND HEALTH TRAINING

Project Experience

MSDC/PANYNJ Moynihan Station Phase I CM - Project Officer

Managing project documentation using CM13 software and preparing weekly documentation for construction management (CM) services for the development of a new train hall in the James Farley Post Office Building in Midtown Manhattan, with connections to Pennsylvania Station and Amtrak, NJ TRANSIT, Long Island Rail Road (LIRR), and New York City Transit service. This major transportation hub is being built in two phases by the Moynihan Station Development Corporation (MSDC), in partnership with PANYNJ. For Phase I, the firm is managing the construction of new entrances and vertical access points to the platforms, improvements to pedestrian concourses and platform ventilation, and the creation of a waiting room for LIRR passengers. Ms. Griffis is tracking submittals and weekend rail service outages. She is developing cost estimates, comparing daily reports to contractors' work, writing post-award contract changes, and following up on outstanding items.

PANYNJ National September 11 Memorial & Museum - Project Officer

Processed numerous change orders and coordinated requisitions for the program management of the construction of the National September 11 Memorial & Museum, a landmark PANYNJ project at the World Trade Center in Lower Manhattan. The memorial, which has a goal of LEED® certification to the Gold level, consists of two recessed square pools with waterfalls along the walls, situated on 8 acres, with a pavilion from which visitors can access the underground museum. Ms. Griffis also provided weekly updates and reviewed punch lists.

NYCHA III CM Task-Order Contract - Clerk

Provided administrative services for several task orders under a $76 million construction management (CM) contract. Tasks included rehabilitations and renovations at Boulevard Houses, Linden Houses, and Bayview Houses, which comprise 18-, 23- and 19-building apartment complexes, respectively, in Brooklyn, NY. Renovations included exterior masonry and brick repair; asbestos and lead abatement; glass block caulking; parapet flashing; window replacements; and replacement of two water tanks. Ms. Griffis facilitated project closeouts and filed emails and reports.

Brian Malt

STRUCTURAL STEEL & BOLTING INSPECTOR

Mr. Malt has 20 years of professional experience in welding and bolting inspections and performing non-destructive testing (NDT) services for variety of projects He is experienced in providing quality assurance/quality control services for owners and general contractors on-site and at fabrication shops. As a Quality Control Inspector, Mr. Malt has worked in the production system of manufacturing telecommunication and transmission towers, sports lighting, and overhead sign structures for public utilities and departments of transportation.

FIRM
JPCL ENGINEERING

YEARS OF EXPERIENCE
20

EDUCATION
HIGH SCHOOL DIPLOMA; HAZLETON HIGH SCHOOL

Project Experience

Bronx Mental Health Rehabilitation Center - Welding and Bolting Inspector

Conducted visual inspections to ensure compliance with drawings, codes, specifications, procedures, and the quality control program at this facility in the Bronx, NY. Mr. Malt also conducted on-site erection and bolting inspections.

Bowline Gas Pipe Line Inspector - NDT Inspector

Provided NDT inspections consisting of ultrasonic and magnetic particle inspections of circumferential and longitudinal welds using multiple 5-point Distance Amplitude Curves and American Welding Society (AWS) D1.1 testing methods. Mr. Malt also performed welder qualification testing for employment purpose, in accordance with AWS D1.1.

New Jersey Generating Station - Structural Welding and Bolting Inspector

Assisted in field service operations and performed all structural welding and bolting inspections for a generating station project in New Jersey.

EN Bridge Rehabilitation - QC Inspector

Conducted quality control inspections during the rehabilitation of EN Bridge. Mr. Malt performed all NDT inspections and reviewed design fabrication drawings, welding procedures, specifications, welder qualification records, and NDT procedures. He also maintained the daily log for all records and reports. Mr. Malt also conducted inspections of galvanizing, metalizing, and coating applications for adherence and thickness.

Sign Structures - Inspector

Provided NDT inspections including ultrasonic and magnetic particle inspections on various sign structures as per specifications identified by NJDOT and the New Jersey Turnpike Authority.

Earl Brockenberry

INSPECTOR – COATING

Mr. Brockenberry is an inspector with more than 30 years of experience inspecting the fabricating, welding, and coating of steel bridge elements and variable message signs (VMS). He has performed quality control and quality assurance inspections of bridge steel, cantilever overhead steel tubes truss sign structures, and VMS platforms for clients including the Connecticut Department of Transportation (ConnDOT) and PANYNJ. Mr. Brockenberry is familiar with the American Welding Society (AWS)'s D1.5 and D1.1 codes, the New York State Department of Transportation's steel construction manual, and the American Society of Mechanical Engineers, American Petroleum Institute, American National Standards Institutes, and American Association of State Highway and Transportation standards.

FIRM
JPCL ENGINEERING

YEARS OF EXPERIENCE
30

EDUCATION
HIGH SCHOOL DIPLOMA; WASHINGTON HIGH SCHOOL

CERTIFICATIONS
COATING INSPECTOR, LEVEL II, NATIONAL ASSOCIATION OF CORROSION ENGINEERS (NACE)

CERTIFIED WELDING INSPECTOR, AMERICAN WELDING SOCIETY (AWS), LEVEL II

Project Experience

ConnDOT Bridge Steel Fabrication - Coating Inspector

Performed quality inspections during the fabrication and coating of bridge steel for ConnDOT. Mr. Brockenberry conducted inspections onsite at the fabricator's facility in Colfax, NC, including performing in-process welding and paint inspection, as well as non-destructive evaluation testing and inspection. All work was performed in accordance with AWS D1.5 Bridge Welding code and ConnDOT specifications.

ConnDOT/PANYNJ VMS Fabrication - Coating Inspector

Conducted visual and coating inspections of VMS for ConnDOT. Mr. Brockenberry inspected the fabrication of steel tube cantilever overhead truss sign structures and VMS platforms for ConnDOT's New Haven Harbor Crossing and PANYNJ's Elizabeth Port Authority Marine Terminal.

ConnDOT Sign Structures and Platform Fabrication - Quality Assurance Inspector

Inspected the fabrication of cantilever overhead steel tubes truss sign structures and platforms for VMS signs that were installed in Norwich, CT, for ConnDOT. Mr. Brockenberry ensured that all fabrication work was performed in accordance with ConnDOT specifications.

Miscellaneous Bridge Superstructure and Steel Fabrication - Quality Officer

Performed in-process quality assurance inspections of bridge superstructure and steel elements at various locations in the continental United States and Canada. Mr. Brockenberry inspected the fabrication of superstructures, structural steel, casting and forgings, timbers, bridge railings, steel barriers, joint systems, and steel gird decking and machined components. He also inspected coatings, epoxy-coated rebar, mesh, fiberglass reinforced polymer, lighting, sign structures, and camera poles.

Virginia and Maryland QA Inspections - AWS-Certified Inspector

Performed in-process quality assurance inspections at various locations in Maryland and Virginia. Mr. Brockenberry inspected structural steel, rebar, concrete, soil, asphalt, and substructures for accordance with the uniform building code.

Joseph Perricelli, P.E.

CIVIL ENGINEER

Mr. Perricelli has 44 years of civil engineering experience as a Chief Inspector, Senior Highway Designer, and Technical Services Supervisor. He retired from the New York State Department of Transportation (NYSDOT) in April of 2003 after 33 years of service.

FIRM
THE HIRANI GROUP

YEARS OF EXPERIENCE
44

EDUCATION
BACHELOR OF ENGINEERING; COOPER UNION

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

MEMBERSHIPS
AMERICAN SOCIETY OF CIVIL ENGINEERS

Project Experience

NYSDOT NY 110 Bridge over the LIE - Project Manager

This design project was to rehabilitate, raise and widen the two bridges that carry NY 110 over I-495 (Long Island Expressway) in Melville, NY. Hirani was directly responsible for the Maintenance & Protection of Traffic (MPT) design required for both the I-495 and NY110 corridors within the project limits, and for the coordination of the MPT with the adjoining project to widen and reconstruct NY 110. In addition Hirani was responsible for the new vertical profile of the reconstructed bridges and approaches, and all grading work.

NYSDOT Bridge Parapet Replacement - Project Manager

This contract was to replace deficient parapet walls at nine locations of highway bridges over the Southern State Parkway in Nassau County. Hirani was responsible for the field survey for the project and updating the existing topo mapping. Hirani also prepared condition diagrams of each existing parapet. These were then compared to As-Built construction plans and were used to design the new parapets and all existing guiderails and guiderail attachments to the new walls. Hirani assisted in the final design of these elements.

NYSDOT Bridge Preventive Maintenance - Project Manager

This contract was to perform preventative maintenance on six NYSDOT Region 10 bridges at various locations. One of the locations was on the Robert Moses Causeway at it passes over the Sunrise Highway and South Service Road. Hirani surveyed all the locations and prepared Digital Terrain Module (DTM) for each location. The elevation and cross section data collected enabled Hirani to design the profiles and grading required when the deck wearing course was reconstructed. Additionally, Hirani will perform cost estimating as required.

NYSDOT Bridge Underside Repairs - Project Manager

This contract addressed a need to make concrete repairs to the underside of 13 concrete arch bridges identified previously by NYSDOT Structures personnel. These bridges were at various locations throughout the region. Hirani was tasked with the preparation of a comprehensive MPT Plan for the entire project. The proposed MPT plan utilized full closures, partial closures and the designation of locations where construction could occur adjacent to closed lanes. This plan was for the roads above and below the concrete work.

NYSDOT Bridge Deck Joint Replacement - Project Manager

This contract was to repair and replace deteriorated bridge deck joints identified by the NYSDOT at various highway overpasses over State Highways. Hirani's role was to coordinate with the designer of the point replacements and prepare the comprehensive MPT for the entire project. The MPT plan consisted of protection for both the overpasses and the under roadways at each location. A combination of lane closures and detours were utilized.

NYSDOT Deficient Bridge Rehabilitation - Senior Civil Engineer
Development of Preliminary MPT Plans including layouts, schemes, notes and operation sequence tables for various locations. Also performed accident analysis for several locations and other traffic engineering services.

NYSDOT Wantagh State Parkway ITS and Lighting, Suffolk County - Project Manager
The project installed ITS Improvements along the Wantagh State Parkway corridor. In addition, a new lighting system was installed. Hirani was responsible for structural design of the new overhead sign structures, locating and plotting the utility location plan, and performing various survey tasks which included spot cross sections at the overhead sign locations, supplemental topo mapping for the base maps, and establishment of a centerline station line.

NYSDOT Route 454 Drainage Improvements - Project Manager
This project constructed a new positive drainage system, including new recharge basins on the NY 454 corridor within the project limits. Hirani was responsible for preparing the inventory and plotting of existing utilities, performing various survey tasks including creation of baseline points, GPS points, topographic survey in unmapped or poorly mapped areas, and cross sections, and to assist with the design elements in the drainage analysis and design.

NYSDOT Concrete Pavement Repair - Project Manager
This contract was to perform concrete pavement repairs and other rehabilitative work at various highway locations in Nassau and Suffolk Counties. Hirani provided a pavement specialist as part of the field team that field investigated the pavement and prepared the repair tables (lists) in the plans. Hirani was also responsible for the utility inventory.

NYSDOT Recharge Basin Reconditioning - Project Manager
This contract constructed improvements as required at 30-35 existing recharge basins. Hirani was responsible for the field investigation, preparation of reconditioning plans, and all other work design tasks for final PS&E for several of the recharge basins in the East end of Suffolk County. In addition, Hirani performed spot surveys to upgrade existing mapping where necessary.

NYSDOT Southern State Parkway Mill & Fill - Project Manager
This project constructed a new asphalt riding surface on a section of Southern State Parkway from Route 110 to Nassau Road. This was accomplished by milling and filling. Other miscellaneous construction such as guiderail work, drainage, etc. was done as required as the budget permitted. Hirani was responsible for the design of the MPT for the project. This was night time construction involving numerous road/ramp closings and detouring. Hirani was also the project surveyor for topographic data and establishing existing bridge clearances.

NYSDOT Design Services, Phases I-IV, SPEDS MS4 Storm Water Outfall Mapping Regions 8, 10 and 11 - Senior Civil Engineer
Developed and implemented a Geographic Information System (GIS) to map storm water discharge points entering waters of the United States for NYSDOT roadways in Regions 8, 10, and 11 (Dutchess, Orange, Putman, Rockland, Ulster, Westchester, Nassau, Suffolk, Bronx, New York, Queens, Kings and Richmond Counties). The system utilized portable Geographic Positioning Systems (GPS) to record the location of each outfall, attributes of the outfall and receiving waters. The system allows for graphic display of each outfall location referenced to the attribute informational database. The project was undertaken by the NYSDOT to comply with the NYS Department of Environmental Conservation General Permit for Storm Water Discharges from Municipal Separate Storm Sewer Systems (MS4).

Gijo Varghese, P.E.

CIVIL ENGINEER

Mr. Varghese has seven years of experience and a strong track record of delivering high profile and challenging projects for a broad range of clients throughout New York.

Project Experience

NYCDDC - Project Engineer

- Design experience includes Highway/Street design/ Piping Design/ Tunneling of pipes/Conditional Assessment of Structures /Sheeting Design and other infrastructure improvements
- Undertaking technical and feasibility studies including site investigations
- Developing detailed designs by using a range of computer packages
- Undertaking the Design of sewerage, storm water and potable water
- Undertaking the design of Chambers/Precast Manholes using LRFD Methods
- Undertaking the condition assessment and rehabilitation of structures by formulating the existing condition of structures and the repair recommendations
- Resolving design and development problems
- Review design and co-ordinate with all disciplines to ensure constructability
- Undertaking complex and repetitive calculations
- Liaising with clients and a variety of professionals including engineers, contractors, etc.
- Compiling job specs, technical reports and tender documentation
- Respond to emergency situations while the project is in the construction phase
- Review and comment on contractor shop drawing submittals
- Ensuring projects run smoothly and structures are completed within budget and on time by providing construction support

NYCDDC - Inspector/Office Engineer

- Review design and assist in co-ordination with all disciplines to ensure constructability
- Assess whether the construction is carried out in accordance with the specification
- Supervise contractor's works and maintain QA documentation and associated registers
- Verify measures of works completed and prepare monthly progress reports
- Report to Resident Engineer and update on issues as required. Participate in planning and assist in resolution of issues in a timely manner

FIRM
THE HIRANI GROUP

YEARS OF EXPERIENCE
7

EDUCATION
MASTER OF SCIENCE, STRUCTURAL ENGINEERING; CITY COLLEGE OF NEW YORK

BACHELOR OF SCIENCE, CIVIL ENGINEERING; KARUNYA INSTITUTE OF TECHNOLOGY, TAMIL NADU, INDIA

PROFESSIONAL REGISTRATIONS
PROFESSIONAL ENGINEER: NEW YORK

CERTIFICATIONS
OSHA TRAINING

TRENCHLESS PIPE INSTALLATION & PIPE ASSESSMENT AND REHABILITATION

COMPUTER SKILLS
AUTOCAD

ARCHICAD

LAND DESKTOP

STAAD PRO

SAP2000

ANSYS 3D

MATLAB

MATCAD

C++

MS-OFFICE

BIDSCOPE

CARLSON 2012

Ahmed Husain Zubair

CONSTRUCTION INSPECTOR

Mr. Zubair has more than 15 years of experience in construction inspection. His experience covers both highway and bridge work, including bridge structural painting and paint removal; scheduling; cost estimation; processing change orders; sanitary sewer and water main installation; air monitoring; maintenance and protection of traffic; surveying monuments; excavation; sub-base concrete and asphalt pavement; erection of electric poles; sidewalk installation; etc. He is proficient in the following programs/systems: SureTrak, Primavera, AutoCAD 2002, MURK, ASTM standards, ACI codes, and AASHTO Specifications for Highway Bridges.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
17

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; DREXEL UNIVERSITY

CERTIFICATIONS
NACE CIP LEVEL 1

NACE CIP LEVEL 1 W/ MARINE SPECIALTY

NACE CIP LEVEL 2

NACE CIP LEVEL 2 W/ MARINE SPECIALTY

NACE CIP LEVEL 3 - PEER REVIEW WITH MARINE

SSPC C-3 COURSE FOR LEAD REMOVAL SUPERVISOR/ 2008

Project Experience

DRJTBC, Upper Black Eddy-Milford Toll-Supported Bridge Contract No. TS-444A - Painting and Structural inspector

Performed structural and painting inspection for this bridge rehabilitation project, a three (3) span Warren truss structure with a total length of approximately 700 feet between abutment backwalls. Work included: replacement of entire existing floor system, including 3 1/2" thick concrete filled inverted T-beam deck, steel stringers, steel floorbeams, associated deck joints, and lower chord lateral cross-bracings with new galvanized structural steel members; replacement of the entire length of existing steel plate sidewalk with a new sidewalk while maintaining the existing sidewalk cantilever brackets; installation of new sidewalk support stringers and tension ties; identify areas of steel sectional loss and check for damage and loose rivets and approve locations for rivet replacements; replacement of existing truss fixed and expansion bearings in all spans; cleaning and painting of all structural steel utilizing a Class 1 A Containment System and surface preparation standard of SSPC SP-10 level of abrasive blast cleaning of steel and application of a three coat zinc system; replacement of entire existing lighting system and CCTV with system; replacement of entire existing pedestrian railing with a new decorative pedestrian railing and replacement of abutment backwalls; repair of deteriorated areas of concrete and stone masonry at all abutments and piers; removal and replacement of existing near and far approach curbs and sidewalks in the immediate vicinity of the bridge; milling and overlaying of both approach roadways; cleaning of existing inlets and pipes; installing traffic stripes within the project limits, and installing new traffic control signs. All construction work performed under a full-time detour.

DRPA Construction Monitoring Services for the Walt Whitman Bridge Steel Painting - Construction Inspector/Bridge Painting Inspector

Performed inspection of surface preparation for the coating of steel members that included removal of existing lead-based paint and application of new high-performance coating system to the Philadelphia deck-truss spans, the Philadelphia twin-girder simple spans, and the 2 lower-layer interior cells of the Philadelphia Tower and the Gloucester Tower. The project also included maintenance painting of the Philadelphia girder spans and the approach overpass bridge structures in New Jersey and Pennsylvania. Work included application of 3 coats of paint for the steel members, using Class 1A containment for abrasive blasting. Primer, intermediate, and final coat were applied and reports were prepared for placement in contract document files.

NYSDOT Region 11, Nassau Expressway & Interim Nassau Expressway Pavement Rehabilitation & Resurfacing (Including painting of 7 bridges) - Chief Inspector

Provided civil engineering/inspection expertise to the whole construction project of rehabilitation of 7 bridges and ramps. Responsibilities included protecting client's interest through quality control and mitigation of schedule problems relating to completion deadlines. Monitor CPM schedule and progress of work as per schedule deadlines. Check RFIs, evaluate RFIs feasibility and coordinate with field inspectors and design consultant and contractor. Widening of highway ramps. Installation of new sub base and concrete pavements. Shoring and replacement of bridge decks. Replacement of bridge bearing. Operations involve shoring and hydraulic jacking of bridges. Installation of Calcium Patch to replace deteriorated concrete on approach slabs at abutment locations. Review shop drawings, perform site inspection, ensure all construction proceeds in accordance to contract specifications and approved shop drawings. Oversee MPT setup and sign installations. Check installation of vehicle arresting barrier net. Coordinate and liaise with different City and State agencies to mitigate upcoming problems and conflicts. CALL INFORM traffic communication about all lane closures and openings. Review and sign off Daily Work Records of Construction Inspectors daily reports. Performed office engineering duties also by obtaining work completion information from all inspectors daily reports and tallied the quantities completed with quantities approved for payment and matched the same with CEES quantities data entry.

NYSDOT Project Cleaning & Painting of 26 Bridges on Major Deegan Expressway (Contract #D257788) - Bridge Painting Inspector

Responsible for overseeing lead removal and protective coating of 26 bridges on I-87. Work entailed environmental protection, air monitoring, and construction of Class A containment for surface preparation of steel in accordance with NACE 3/SSPC 6 and NACE4/SSPC 7 standards; quality control; engineering safety; environmental compliance specially pertaining to lead removal; design of highway construction zone, maintenance and protection of traffic, and night time construction illumination. Coordinated with traffic advisory and NYPD Highway Patrol Police.

Zory Deresh

CONSTRUCTION INSPECTOR

Mr. Deresh has more than 30 years of experience in civil and structural engineering, as well as construction inspection and management/oversight.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
33

EDUCATION
MASTER OF SCIENCE; CIVIL/STRUCTURAL ENGINEERING; POLYTECHNIC INSTITUTE TBILISI, REPUBLIC OF GEORGIA

LICENSES AND CERTIFICATIONS
CONCRETE FIELD TESTING, ACI CERTIFICATION

ULTRASONIC INSPECTION, LEVEL 1,2, KRAUTKRAMER BRANSON INC.

STRUCTURAL STEEL DESIGN CONNECTION ASSOCIATION OF ENGINEERS

ENERGY CODE COMPLIANCE, THE COOPER UNION

10 HOURS OSHA

NYC DOB SCAFFOLD USER CERTIFICATE

Project Experience

Tectonic Engineering & Surveying Consultants - Construction Special Inspector
Responsible for comprehensive site inspection, including reinforcing steel, fire stopping, fire resistance rated construction and fireproofing.

Long Island Materials Testing Lab - Senior Civil-Structural Construction Inspection Engineer
Duties included identification of structural integrity problems in buildings under construction, and working with blueprints and specifications. Responsible for comprehensive site inspection, including reinforcing steel, fire stopping, fireproofing, welding, high strength bolts, decking, roofing, masonry, ultrasonic testing of welding, structural steel fabrication, and inspecting concrete at the batch plant and in the field. Performed follow-up audits of corrective actions. Prepared engineering inspection and weekly progress reports. Experienced in inspection of federal, state, city, and commercial projects. Gained extensive knowledge of construction codes and regulations.

City Construction Corporation - Civil Construction Engineer-Superintendent
Specialized in residential and commercial construction: apartment and office buildings, schools, hospitals, and industrial plants. Managed all phases of construction from excavation to commissioning of the building. Scheduled and coordinated work with subcontractors. Responsible for the quality and completion of work according to the time schedule.

TD Construction Corp. - Assistant Superintendent
Responsibilities included repair and reconstruction of industrial and civil buildings, and supervision of excavations for building foundations. Estimated materials and labor costs. Controlled and enforced compliance with safety regulations.

Sheldon Williams

CONSTRUCTION INSPECTOR – PAINTING AND STRUCTURAL

Mr. Williams has more than 10 years of experience as a welding and painting inspector including inspection for bridge painting for multiple contracts with NYSDOT. His experience includes performing QA/QC oversight for welding operations and conducting review of quality checks for welding and radiographic work.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
10

EDUCATION
HIGH SCHOOL DIPLOMA, TRINIDAD

LICENSES AND CERTIFICATIONS
NACE CIP LEVEL 1, LEVEL 2

AMERICAN WELDING SOCIETY - CERTIFIED WELDING INSPECTOR

Project Experience

NYCDOT Resident Engineering and Inspection, Services for Component Rehabilitation of 10 Bridges - Inspector

Scope of work includes constructability review of the design documents; CPM review of schedule and updates; continuous REI services and material testing; and public outreach. Construction cost - $6.35 million.

NYSDOT Region 10 Term Agreement Contract D030568 for Bridge Painting - Inspector

Inspected bridge painting for multiple contracts on all of the Region's major highways including: Rte 27, Southern State Parkway, Long Island Expressway, Northern State Parkway, Rte 25, Rte 25A, Meadowbrook Parkway, Rte 135 and more. Much of the work was performed at night with WZTC for lane closures. Work included containment and hazardous waste (lead paint) removal prior to installing primer, and a minimum of two coatings. Construction cost - $20 million.

NYCDEP Croton Water Treatment Plant - QA General Field Inspector

Supervised all welder qualification tests. Reviewing of weld procedures and welder qualifications. Oversight of all welding operations and NDE requirements. Supervised mapping and tracking of weld, the receiving and installation of equipment (Tanks, pumps, UV units), all QC contractors welding/painting/and mechanical. Walking of packages consisting of pneumatic testing. Pre-hydro and post hydro testing. Supervised all painting and mechanical contract. Piping system restoration. Supervised NDE inspection using the PT and MT process. Construction codes: ASME Section IX, ASME B31.1, ASME Section V, AWS D1.1, and AWS D1.6.

NYCDEP Croton Water Treatment Plant Raw and Treated Water Tunnels Connecting UV Plant - QA Welding Inspector

Supervised all welder qualification tests. Oversight all welding operations and NDE requirements. Review all welding procedures and qualifications. Supervised mapping and tracking of the weld. Supervised NDE inspections using the PT process. Construction codes are AWS D1.1.

S&B Engineers and Constructors, Ltd. - QA Welding Inspector

Responsible for conducting visual and dimensional examinations. Oversight all welding operations. Walking of packages consisting of pre-hydro, hydro, and post-hydro test. Mapping and tracking weld. Performed NDE inspections using the PT and the MT process. Construction codes are: ASME Section V, ASME Section VIII, ASME Section IX, ASME section B31.1, and AWS D1.1.

S&B Engineers and Constructors, Ltd., Meeker II Gas Plant - QA/QC Welding Inspector

Conduct visual and dimensional examinations. Oversight all welding operations. Walking of packages consisting of pre-hydro, hydro, and post hydro. Supervised all painting of mechani-

cal contract. Mapping and tracking welds. Supervised NDE inspections using the PT and MT process. Construction codes: ASME Section V, ASME Section VIII, ASME Section IX, ASME Section B31.1.

Oil States Industries, Inc. - QC Welding Inspector
Oversight of all welding operations. Dimensional verifications of fabricated structures. Supervised all painting of mechanical contract. Visual acceptance of weld and weld mapping. Supervised NDE inspections using the PT and MT process. Construction codes AWS D1.1 and API 1104.

Borco Oil Refinery Upgrade Project - (C.W.I.) Welding Inspector
Conducted/reviewed quality checks of all welding and radiographic. Testing procedures during the upgrade phase of Borco Oil Refinery tanks and associated piping. Construction codes are ASME Section V, ASME Section VIII, ASME Section IX, and ASME B31.3.

Weld Services - (C.W.I.) Welding Inspector
Welding of piping and structural members in accordance with the American Society of Mechanical Engineers code requirements during the shop fabrication phase of various projects. Responsible for visual acceptance of completed weldments. Construction codes are: ASME Section V, ASME Section VIII, ASME Section IX, and ASME Section B31.3.

Edward McManus, NICET I

ELECTRICAL CONSTRUCTION INSPECTOR

Mr. McManus is a Field Quality Control Inspector with 26 years of experience in civil and electrical inspection, especially electrical substations. He has expertise in construction management tank installation, the removal and remediation of petroleum contaminated sites, and public utility substation operations. He is also recognized for attention to detail and communication skills.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
26

EDUCATION
DIPLOMA IN CONSTRUCTION MANAGEMENT; NEW YORK UNIVERSITY

BACHELOR OF ARTS, ACCOUNTING/ ECONOMICS; QUEENS COLLEGE CUNY

CERTIFICATIONS
ACI FIELD TECHNICIAN CONCRETE TESTING

NICET I

Project Experience

MTA LIRR, Bridge Painting - Construction Inspector for Maintenance and Protection of Traffic (MPT) for the Meadowbrook Parkway Bridge Painting Contract
Painting work done in accordance with national MUTCD and NYSDOT Specifications.

NYCDEP Sodom and Bog Brook Dams - Construction Inspector, Senior Quality Specialist II
Responsible for the inspection of drilling and installing anchors and sheathing.

NYCDDC Management Remediation of Petroleum Contaminated Sites - Senior Quality Specialist II
Provided direct supervision of four Field Inspectors. Responsible for the coordination of two to five Subcontractors and Subconsultant design firms.

- Ensured the fieldwork at 15 tank and 44 remediation sites, complied with plans, specifications, applicable laws and regulations, and was completed according to schedule. Additional duties included approving requisitions.

- Team nominated for CMAA Achievement Award. Won Gold Award Environmental American Society of Engineers of NY.

NYCDDC New York City Fire Department Storage Tank Program - Quality Control Inspector
Closed, removed, upgraded, and installed petroleum storage tank systems.

New York State Department of Transportation (NYSDOT) Reconstruction on Route 25A - Construction Inspector
Responsible for the asphalt resurfacing, drainage, traffic signal, sidewalk rehabilitation, full-depth pavement repairs (calcium chloride), sidewalks, six curbs, resetting catch basins, and traffic signal installation.

New York City Department of Transportation (NYCDOT) Various Locations - Construction Inspector
Responsibilities included the resurfacing with 1½ inch asphaltic concrete wearing course, installation of pedestrian ramps, and new curbs with sidewalks.

NYCDOT 64 Avenue Reconstruction Project - Construction/Electrical Inspector
Responsible for placement of base concrete, asphalt, and replacement of street lighting.

Triborough Bridge and Tunnel Authority (TBTA) Queens Ventilation Building - Construction Inspector
Responsible for masonry restoration and roof replacement.

Pilgrim Psychiatric Center - Senior Mechanical Inspector
Responsible for rehabilitation of three seven-story buildings approximately 500,000 square feet.

MTA MNR 110th Street Substation - Construction Engineer
Responsible for Construction Management for Traction Power.

MTA MNR Grand Central Terminal - Electrical Inspector
Responsible for PCB transformer removal and replacement, construction of four transformer houses and high voltage loop.

MTA MNR Traction Power Substation in Grand Central Terminal - Electrical Inspector
Primary responsibilities included ensuring that the General Contractor and Subcontractor comply with specifications, contract drawings, approved materials, and the National Electrical Code.

Tony Chanderjeet

ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR

Mr. Chanderjeet is an inspector with 10 years of experience supervising concrete and rebar testing and installation for construction projects, including parks, rail lines and stations, and commercial, recreational, residential, and hospitality facilities. An experienced concrete placement control inspector, he is an American Concrete Institute (ACI) Level I and II-certified Concrete Laboratory Testing Technician and a National Institute for Certification in Engineering Technologies (NICET)-certified Soil and Asphalt Inspector.

FIRM
JPCL ENGINEERING

YEARS OF EXPERIENCE
10

EDUCATION
BACHELOR OF COMMERCE AND ECONOMICS; CONCORDIA UNIVERSITY

ASSOCIATE OF ARTS, COMPUTER SCIENCE; DELTA COMMUNITY COLLEGE

ASSOCIATE OF ARTS, SOCIAL SCIENCE; DAWSON COLLEGE

CERTIFICATIONS
ASPHALT, CONCRETE, SOILS INSPECTOR, LEVEL I, NICET
CONCRETE LABORATORY TESTING TECHNICIAN, LEVELS I AND II, ACI
CONCRETE STRENGTH, AGGREGATES, CONCRETE LABORATORY TECHNICIAN, LEVEL I, ACI
NYCDOB 4 HOUR SCAFFOLD CERTIFICATION
NUCLEAR GAUGE DENSITY CERTIFICATION
OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH TRAINING
DEP-APPROVED INSPECTOR
MTA-APPROVED INSPECTOR
SWAC-APPROVED INSPECTOR FOR WTC
ALFRED STATE HOT MIX ASPHALT QC/QA

Project Experience

Hudson River Park Trust Hudson River Park - Senior Concrete Construction Special Inspector
Overseeing concrete and rebar inspections, installation, and placement at the 55-acre Hudson River Park, which spans from Battery Park to West 59th Street in Manhattan. Mr. Chanderjeet is verifying plans for rebar placement. He is also performing concrete field testing and asphalt and concrete plant inspections.

MTA Second Avenue Subway Station - Senior Concrete Construction Special Inspector
Conducted on-site construction observation and testing services at the Second Avenue subway station in Manhattan for the MTA. Mr. Chanderjeet performed moisture tests on fine aggregates and lightweight course aggregates, as well as gradation of course aggregates and lightweight aggregates. He prepared daily reports for project activities under inspection, calculated water to cement ratios, and verified specifications and tolerances of add mixtures according to the design mix.

NYCDDC The Bronx Zoo - Senior Concrete Construction Special Inspector
Prepared masonry cube samples, conducted soil compactions testing for foundation placement, and monitored concrete plant and field inspections at the Bronx Zoo in New York City.

USTA New Stadium - Senior Concrete Construction Special Inspector
Performed on-site quality control and testing during the construction of a new stadium for the United States Tennis Association (USTA). Mr. Chanderjeet conducted moisture tests on fine aggregates and lightweight course aggregates, as well as gradation of course aggregates and light weight aggregates. He calculated water to cement ratios and verified specifications and tolerances of add mixtures according to the design mix. Mr. Chanderjeet also composed daily reports for project activities under inspection and reviewed plans for rebar placement.

Fred Koomson

ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR

Mr. Koomson has over 35 years of construction inspection experience including performing bridge inspection, milling, roadway paving with concrete and asphalt, roadway reconstruction, drainage, sewer and water main installation. His experience includes providing construction oversight to ensure project schedule and specifications are adhered and keeping daily logs. These services have been provided for various agencies including the PANYNJ, NYCDDC, and NYCDEP.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
35

EDUCATION
ASSOCIATES DEGREE, CERTIFICATE OF CIVIL ENGINEERING; CITY AND GUILDS OF LONDON INSTITUTE

CERTIFICATIONS
ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR (CCSI)

Project Experience

PANYNJ New Jersey Marine Terminal Construction - Civil Inspector

Performed monitoring activities at Marine Terminal construction sites. Work includes installation, testing and inspecting Civil works. Provides oversight to ensure construction progresses as scheduled and contract specifications are adhered to. Prioritizes multiple assignments, maintain deadlines, and works in a team environment. Inspects construction site daily and works with contractors to schedule deliveries, follow safety requirements, adhere to quality and code compliance; files daily narratives and progress reports detailing personnel, equipment, materials and work summary. The following is a brief description of tasks that Mr. Koomson has completed for KSE under this assignment:

- Contract MFP-926.527, New Jersey Marine Terminals Building and Site Work Order - The work under this contract consists generally of general building construction for miscellaneous facility improvements including repair, rehabilitation, demolition and construction of various interior and exterior building systems such as curtain wall, roof, concrete slab, ceiling, floor tile, interior finish construction and fit up, painting, mechanical, HVAC, electrical, electronics, sprinklers, plumbing, conveying systems, interior landscaping and various utility runs within buildings and site work related, but not limited to repair, rehabilitation, demolition and construction of concrete and or asphalt paving, landscaping, concrete pads, sidewalks, curbs, erosion control, cracks and slurry seals irrigation, pavement striping, lighting, concrete traffic barriers, signage, traffic signals, electrical/communications ductbanks and wiring, drainage structures and piping, guide rails, exterior screening, exterior screening, exterior demising walls, fencing, and various utility runs to building lines and maintenance of traffic and work area protection at the New Jersey Marine Terminals of Port Newark, Elizabeth-Port Authority Marine Terminal and Port Jersey [Work Order #'s 1; 2; 5: 180 Heater Installation; 6; 8; 10; 14:Corbin and Tyler Street Sign Work; 17: Portable Guard Booth Installation; 18: Flood Protection at Build 260 and 111 Protective measures]

- Contract MFP-926.323, Port Newark Rail Repair via Work Order - The work under this contract consists generally of general repairs to, or replacement of, existing railroad track and turnouts, such as replacement of cross timers, surface and appurtenances and gauging of track, repair, rehabilitation, demolition and construction of drainage maintenance of traffic and Work area protection, pavement markings.

- Contract MFP-926.525, New Jersey Marine Terminals Paving and Utility Rehabilitation via Work Order - The work under this contract consists generally of asphalt milling, paving and installation of underground utilities, at Port Newark, Elizabeth Port Authority Marine Terminal, Port Jersey Marine Terminal North and South [Work Order #'s 1 Port St to Doremus; 4 BMW access road rebuild at Port Jersey; 10 Shoreline Restoration]

- Contract MFP-926.317, New York and New Jersey Marine Terminal Facilities Railroad Track Rehabilitation via Work Order - The work under this contract consists generally of performing general repairs to, or replacement of, existing railroad track and turnouts and or components of turnouts, replacement of rails and appurtenances and gauging of track, repair, rehabilitation, demolition and construction of concrete and/or asphalt pavement; concrete pads and walls; guide rails and fencing utilities; drainage; maintenance of at Port Newark, Elizabeth-Port Authority Marine Terminal. [Work Order #2 Berth 15 – 17 – 19; #4 Toyota Shoreline]

- Contract MFP-926.526, New Jersey Marine Terminals Priority Marine Rehabilitation via Work Order - The work under this contract consists generally of marine construction above and below deck; marine structure work; timber pile work; structural and concrete work including pile extensions and shortening; pile wrapping; excavation at the mud-line; cleaning of piles; chipping of concrete underwater, replacement of concrete underwater, installation of exterior or interior piles.

- MFP 926.319, New Jersey Marine Terminals Paving and Utility Rehabilitation via Work Order - The work under this contract consists generally of asphalt milling, paving, installation of storm drainage structures, piping and related work via Work Orders(s) at Port Newark, Elizabeth Port Authority Marine Terminal and Port Jersey Multi Facility Fender System Rehabilitation – Removal, replacement, and disposal of damaged fender system; installation of vertical sheeting; re-securing of fender piles; reinstallation of rubber blocks at Berth 21-25, Berth 1 at Bayonne

- Contract PN – 652.532, Doremus Avenue Lift Station Replacement - This work consisted of replacement of the existing lift station, including excavation, structural, mechanical, plumbing, electrical, and related work adjacent to building #377 and building #1900 at Port Newark

- Contract EP – 684.009, McLester Street Widening and Curve Realignment - This work consists of roadway realignment, including, paving, utilities, traffic controls, overhead signage, a storm water treatment unit, and related work

Mr. Koomson provided construction inspection on the following individual projects under this assignment:

- Multi-Facilities Projects (MFP) at Port Newark & Port Elizabeth covering change order work covering involving roadway, ports and terminals, etc.

- Port Elizabeth – North Ave/McLester St. Curve Realignment - The work consisted of roadway realignment, including paving, utilities, traffic controls, overhead signage, caissons, storm water treatment units and related work.

- Port Elizabeth Expressrail, Elizabeth Lead Tracks & South Bay Avenue - The work consisted of construction of second lead track into Expressrail, reconstruction of existing lead track, construction of rail bridge over McLester St., reconstruction of Bay Ave., construction of new South Bay Ave. roadway, utility and other related work.

Frederique Napiorski

SENIOR ESTIMATOR

Ms. Napiorski is a senior mechanical, electrical, and plumbing (MEP) estimator with 30 years of experience preparing cost proposals and estimates and providing project management for a wide variety of new building construction, fit-out, and renovation projects. She has extensive experience in developing and establishing architectural and engineering design and planning costs as well as project site-wide infrastructure costs. Ms. Napiorski has particular expertise involving electrical upgrades to rail power systems and fan plants; traction power; transit signals; utility service and distribution systems; and security, data/communications, and fiber-optic networks. In addition, she has also been responsible for the purchasing and scheduling of labor, materials, and equipment.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
32

EDUCATION
HIGH SCHOOL DIPLOMA, TECHNICAL PROGRAM; BAYONNE VOCATIONAL HIGH SCHOOL

TRAINING
OSHA CONFINED SPACE

OSHA 30-HOUR SAFETY

ADVANCED ESTIMATING COURSE; NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION (NECA)

NYC ELECTRICAL CODE COURSE; NECA

COMPUTER SKILLS
PRIMAVERA PROJECT PLANNER, MS PROJECT, ACCUBID ESTIMATING SOFTWARE

Project Experience

PANYNJ WTC Reconstruction Project Cost Control and Management Group - Chief MEP Cost Estimator/MEP Cost Engineer

Managing day-to-day operations of the MEP Cost Estimating Unit for the cost engineering and cost estimating program to integrate and control costs among all projects composing the redevelopment of the 16-acre World Trade Center (WTC) site in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). Ms. Napiorski has assisted in the development and implementation of policy and procedures to conform to FTA guidelines. She has developed and standardized labor unit production and indirect costing of general conditions, which is being used across all programs, including One World Trade Center, the Memorial & Museum, the Transportation Hub, and the Vehicle Security Center. Ms. Napiorski is performing QA/QC reviews on estimates prepared and preparing engineering estimates from Stage 1 thru Stage IV. She has provided alternative analyses studies and evaluations, and performed audits and reconciliations on costs and scope. Ms. Napiorski has provided contract and change order negotiations and is supporting PANYNJ on negotiations with outside agencies. She has provided monitoring, trending and forecasts of project cost and is performing cost deviation studies, value engineering and impacts studies, and risk analysis. In addition, Ms. Napiorski is developing package scoping strategies and identifying project scope to be allocated or shared by other stakeholders. She is also developing and implementing methodologies to be used in cost sharing allocations and is monitoring program changes.

PANYNJ WTC Tenant Services Contract - Project Manager

Oversaw this contract to provide power, lighting, fire alarm, and data/telecommunication systems for approximately 400 tenants throughout the World Trade Center (WTC) complex in Lower Manhattan. The work for the Port Authority of New York and New Jersey (PANYNJ) had a total construction value of approximately $2.5 million.

PANYNJ Condenser Water System No. 1 Emergency Power Upgrade - Project Manager

Managed the $2 million, 5-kV emergency power upgrade of condenser water system No. 1 at the World Trade Center in Lower Manhattan for the Port Authority of New York and New Jersey (PANYNJ).

MWAA Rail to Dulles - Senior Electrical Estimator

Provided independent cost estimates for elevators and escalators, cathodic protection and corrosion control systems to support the $6.2 billion, 23.1-mile Federal Transit Administration New Starts project to extend Metrorail into the rapidly growing Dulles Corridor in Fairfax and Loudoun counties, VA. The Metropolitan Washington Airports Authority (MWAA) extension

will broaden service from the existing Orange Line at the East Falls Church station in Fairfax County to Route 772/Ryan Road in Loudoun County. Ms. Napiorski also prepared estimates for the and traction power system equipment.

NYCT Subway Cable Replacement - Project Manager
Oversaw this $5.9 million project to replace 100,000 feet of battery and control cables along the subway right-of-way in Brooklyn, Queens, and Manhattan for New York City Transit (NYCT).

NYCT 60th Street Tunnel Fan Plant Rehabilitation - Project Manager
Supervised the $2.1 million electrical rehabilitation of the fan plant in the 60th Street Tunnel in Manhattan, part of the New York City Transit (NYCT) subway system. The fan plant provides smoke evacuation for small track fires.

NYCT Johnson Street Fan Plant Rehabilitation - Project Manager
Managed the $1.5 million electrical rehabilitation of the Johnson Street fan plant in Brooklyn, NY, part of the New York City Transit (NYCT) subway system. The fan plant provides smoke evacuation for small track fires.

Confidential Transportation Agency Capital Security Program IDQ - Senior Electrical Estimator
Responsible for electrical cost analysis and estimates for the renovation of a portion of the second floor of an office building in White Plains, NY. This area will be renovated to include a new computer room, open area, and conference room, as well as several existing offices. The entire building is being renovated in phases to house various departments and functions. The electrical costs were estimated at $3 million. Ms. Napiorski developed scope, quantities, and material, labor, and equipment costs for secondary and emergency power distribution systems, lighting fixtures and branch circuiting, alarm systems, and telephone and data communication empty raceway systems.

PANYNJ PABT CCTV and Security System Upgrade - Project Engineer
Provided electrical engineering design for this $1.5 million CCTV and security system upgrade at the Port Authority Bus Terminal (PABT) in Manhattan for the Port Authority of New York and New Jersey (PANYNJ).

Columbia University Medical Center Change Order Review - Senior MEP Estimator
Estimating costs for a review of the MEP change orders and scheduling for a $23 million relocation of the Columbia Doctors Midtown office for Columbia University Medical Center. The project includes the fit-out of approximately 30,000 sf of Manhattan office space. Ms. Napiorski is verifying the Medical Center is providing estimation services for MEP system change orders. There are a total of 272 proposed change orders for the entire project. The firm is assisting the Medical Center with the project's change-order negotiation process by helping the center reach a settlement with the construction manager and subcontractors.

Columbia University Term Consultant for Cost Estimating and Change Order Review - Senior MEP Estimator
Provided estimating services for a term contract with Columbia University for independent cost estimating for multiple assignments at two Manhattan campuses on an as-needed basis. The firm is serving as an extension of Columbia's facility and project management staff and is reviewing change order requests related to various facility upgrades on the 32-acre Morningside Heights campus on Manhattan's Upper West Side, as well as providing independent cost estimating services for a new 17-acre campus under development in West Harlem. Ms. Napiorski evaluated MEP change orders.

John Solano, CCP

MEP ESTIMATOR

Mr. Solano is a mechanical estimator with more than 40 years of experience providing design and construction cost estimates for mechanical, electrical, and plumbing (MEP) systems for commercial, industrial, education, and healthcare facilities. He is skilled at coordinating subcontractors; managing and negotiating bid scopes, specifications, and pricing, and at preparing and updating critical path method schedules. In the course of his career, Mr. Solano has established excellent working relationships with unions, employees, clients, and associates, resulting in a strong network within the industry.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
42

EDUCATION
BACHELOR OF MECHANICAL ENGINEERING; CITY COLLEGE OF NEW YORK (CCNY)

CERTIFICATIONS
CERTIFIED COST PROFESSIONAL (CCP); ASSOCIATION FOR THE ADVANCEMENT FOR COST ENGINEERING (AACE)

TRAINING
OSHA 10-HOUR CONSTRUCTION HEALTH AND SAFETY TRAINING

OSHA SCAFFOLDING COMPETENT PERSON

OSHA ASBESTOS SAFETY AWARENESS

TOTAL QUALITY MANAGEMENT IN CONSTRUCTION, TIME MANAGEMENT, CONSTRUCTION SELLING, AND MANAGEMENT SKILLS; FAILS MANAGEMENT INSTITUTE PROGRAMS

ADVANCED TRUSTEE, INTERNATIONAL FOUNDATION EMPLOYEE BENEFITS TRAINING

Project Experience

PANYNJ One WTC West Bathtub Vehicle Access and Performing Arts Center - Senior Mechanical Estimator

Developing cost estimates for engineering and design services for Phase III and Phase IV, as well as ongoing construction management services, for construction of the new West Bathtub Vehicle Access project and the Performing Arts Center at the 16-acre World Trade Center (WTC) site in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). The scope of work includes construction phasing for the demolition of the North Temporary Access to PATH, coordination with the Tower One interim and permanent tenant and retail loading dock requirements, and integration of the Transportation Hub egress and program spaces. Mr. Solano is preparing cost estimates for all construction trades for engineering, design, and related construction services.

PANYNJ One WTC Below-Grade Pre-Tenant Retail Space - Senior Mechanical Estimator

Preparing cost estimates for the new below-grade retail space for the World Trade Center (WTC) in Lower Manhattan for the Port Authority of New York and New Jersey (PANYNJ). The retail space encompasses the below-ground areas of One World Trade Center; Towers 2, 3, and 4; and the Transportation Hub, parking garage, and Vehicle Security Center. Mr. Solano is responsible for providing takeoffs, pricing, and contractor estimate reconciliation for plumbing, fire protection, and HVAC pipe and ductwork. He is validating and negotiating contractor change orders. Mr. Solano is also overseeing junior mechanical estimators and preparing estimates with cost share responsibilities for various stakeholders, utilizing PlanSwift and Adobe "On Screen Takeoff" capabilities. He has designed a Microsoft Excel takeoff template utilizing pivot tables to provide cost data analysis.

PANYNJ One World Trade Center and National September 11 Memorial & Museum - Senior Mechanical Estimator

Provided cost estimates for One World Trade Center in Lower Manhattan for the Port Authority of New York and New Jersey (PANYNJ). Mr. Solano managed plumbing, fire protection, and HVAC pipe and ductwork takeoffs; pricing; and estimate reconciliation. He also validated and negotiated contractor change orders. He prepared estimates with cost share responsibilities for various stakeholders using PlanSwift and Adobe "On Screen Takeoff" capabilities, and developed a Microsoft Excel takeoff template that used pivot tables to provide improved cost data analysis.

PANYNJ WTC Center HVAC System Repairs - Project Manager, Mechanical Division

Oversaw estimating, client contract negotiation, construction, union labor relations, scheduling, material procurement, billings, selling, buyouts, audit reviews, and profitable contract execution for the restoration by the Port Authority of New York and New Jersey (PANYNJ) of the World Trade Center (WTC) in New York City following damage by a bomb. The project was completed in a 3-month period, with staff working 24 hours a day, 7 days a week. It involved coordination of the insulation of the temporary chillers, cooling towers, and related chilled

water and river water piping systems to restore operation of the damaged HVAC system. Mr. Solano negotiated the fee basis contract with billings in excess of $2 million for the project.

PANYNJ WTC Transportation Hub - Senior Mechanical Estimator
Preparing cost estimates for the new World Trade Center (WTC) Transportation Hub in Lower Manhattan for the Port Authority of New York and New Jersey (PANYNJ). The $3.2 billion hub includes a permanent PATH terminal; pedestrian connections to PATH subway lines; and state-of-the-art safety, security, and environmental enhancements. Mr. Solano is managing plumbing, fire protection, and HVAC pipe and ductwork takeoffs, pricing, and estimate reconciliation, as well as validating and negotiating contractor change orders. He is preparing estimates with cost share responsibilities for various stakeholders, utilizing PlanSwift and Adobe "On Screen Takeoff" capabilities and developing a Microsoft Excel takeoff template that uses pivot tables to provide improved cost data analysis.

PANYNJ WTC Vehicle Security Center and Tour Bus Parking - Senior Mechanical Estimator
Prepared cost estimates for the new World Trade Center (WTC) Vehicle Security Center in Lower Manhattan for the Port Authority of New York and New Jersey (PANYNJ). Mr. Solano managed the takeoffs, pricing, and contractor estimate reconciliation for plumbing, fire protection, and HVAC pipe and ductwork. He validated and negotiated contractor change orders, and reviewed junior mechanical estimators' calculations. Mr. Solano used PlanSwift and Adobe "On Screen Takeoff" capabilities to prepare estimates with cost share responsibilities for various stakeholders, and designed a Microsoft Excel takeoff template using pivot tables to provide meaningful cost data analysis.

BGPAA Bob Hope Airport RITC PM/CM - Senior Mechanical Estimator
Prepared cost estimates as part of STV's program and construction management (PM/CM) services to the Burbank-Glendale-Pasadena Airport Authority (BGPAA) for the development of the 3-level, 505,000-sf Regional Intermodal Transportation Center (RITC) at Bob Hope Airport in Burbank, CA. The $87.5 million facility will include rental car facilities; a bus transit area; links to local and regional train lines; an elevated walkway connecting to the airport terminal; and a 5-level, 1,043-space valet parking structure. Mr. Solano was responsible for plumbing, fire protection, and HVAC pipe and ductwork takeoffs and pricing for a 30% preliminary design performance scope estimate.

MTA Capital Construction/LIRR East Side Access - Senior Mechanical Estimator
Developed takeoffs, pricing, and estimate reconciliation for plumbing, fire protection, and HVAC pipe and ductwork as part of the $10 billion Metropolitan Transportation Authority (MTA) extension of Long Island Rail Road (LIRR) service to Manhattan's East Side. Mr. Solano responded to requests for proposals and prepared models for the client's proposed cost methodology. He designed a Microsoft Excel takeoff template utilizing pivot tables to provide cost data analysis, and prepared cost estimates with HeavyBid software.

Columbia University Term Consultant for Cost Estimating and Change Order Review - Senior Mechanical Estimator
Providing mechanical estimating oversight for a 3-year term contract with Columbia University for evaluation of change orders and independent cost estimating for multiple assignments at two Manhattan campuses on an as-needed basis. The firm is serving as an extension of Columbia's facility and project management staff and is reviewing change order requests related to various facility upgrades on the 32-acre Morningside Heights campus on Manhattan's Upper West Side, as well as providing independent cost estimating services for a new 17-acre campus under development in West Harlem.

Alex Sinayuk

MEP ESTIMATOR

Mr. Sinayuk is a mechanical engineering specialist with more than 36 years of experience preparing estimates of MEP design and installation projects for new and renovated facilities, including major transportation, commercial, municipal, educational, and medical facility projects. Having served as head of his own mechanical contracting firm, he is particularly experienced in preparing bid estimates; negotiating change orders; and managing subcontractors, mechanics, and staff. Mr. Sinayuk is also adept at reviewing contract designs for omissions and errors, purchasing equipment, determining construction schedules, and managing quality and safety controls. Based on this experience, he has served on Constructability Review Teams focusing on preparing MEP constructability reviews and reports.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
36

EDUCATION
MASTER OF SCIENCE AND BACHELOR OF SCIENCE, MECHANICAL ENGINEERING; POLYTECHNIC INSTITUTE, RIGA, LATVIA

TRAINING
OSHA 30-HOUR CONSTRUCTION SAFETY AND HEALTH COURSE

OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH

Project Experience

PANYNJ JFK International Airport Building 14 HVAC Upgrades - Chief Estimator/Project Manager

Managed the cost estimates and purchasing of new HVAC equipment for this building at JFK International Airport in Queens, NY, for the Port Authority of New York and New Jersey (PANYNJ). Mr. Sinayuk supervised the development of mechanical shop drawings and material submittals, reviewed contract documents for omissions and errors, and handled bid preparation. He also scheduled construction, managed subcontractors and installation crews, and handled change order requests. The project involved replacing the air handling unit, repairing the damaged roof and slab, replacing existing ductwork, upgrading VAV boxes to ones that have electric heating coils, installing power wiring and a new temperature control system.

PANYNJ One World Trade Center - Senior Mechanical Estimator

Provided cost estimates for HVAC, plumbing, and fire protection systems for the $2.8 billion One World Trade Center (WTC), a major project included in the redevelopment of the 16-acre WTC site in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). The tower is the centerpiece of the new WTC complex and will encompass more than 3.6 million gross sf, including office space, restaurants, an observation deck, and broadcast facilities. The building will also house below-grade shopping and access to the PATH transit system and the World Financial Center. Mr. Sinayuk provided value engineering services to identify potential cost savings. He reconciled mechanical estimates with independent subconsultants, developed unit prices and engineer's estimates for various project packages, restructured mechanical estimates for different cost allocations, checked estimates, and negotiated change orders.

PANYNJ WTC Towers 2, 3, 4 - Senior Mechanical Estimator

Prepared cost estimates for HVAC, plumbing, and fire protection systems for the construction of Towers 2, 3, and 4 as part of the new World Trade Center (WTC) complex in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). Mr. Sinayuk provided value engineering for constructability and cost savings. He reconciled mechanical estimates with independent subconsultants, developed unit prices and engineer's estimates for various project packages, and restructured mechanical estimates for different cost allocations.

PANYNJ National September 11 Memorial & Museum - Senior Mechanical Estimator

Providing cost estimates for HVAC, plumbing, and fire protection systems for the World Trade Center (WTC) Memorial & Museum in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). The memorial consists of two recessed square pools with waterfalls along the walls, representing the footprints of the destroyed twin towers, along with an 8-acre landscaped Memorial Plaza filled with more than 300 oak trees. Complementing the memo-

rial will be a state-of-the-art museum accessed through an entry pavilion. Mr. Sinayuk is providing value engineering for constructability and cost savings. He is reconciling mechanical estimates with independent subconsultants, developing unit prices and engineer's estimates for various project packages, restructuring mechanical estimates for different cost allocations.

PANYNJ WTC Vehicle Security Center and Tour Bus Parking Facility - Senior Mechanical Estimator
Developed cost estimates for HVAC systems for the World Trade Center (WTC) vehicle security center and tour bus parking facility in Lower Manhattan for the Port Authority of New York and New Jersey (PANYNJ). This $500 million facility is expected to screen an average of 2,000 vehicles daily. The design of the underground facility includes blast resistant structures and addresses sophisticated HVAC and exhaust ventilation requirements.

PANYNJ WTC Transportation Hub - Senior Mechanical Estimator
Generated cost estimates for HVAC systems for the $3.8 billion World Trade Center (WTC) Transportation Hub in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). The hub includes a permanent PATH train terminal; pedestrian connections to PATH, ferries, and 11 Lower Manhattan subway lines; complex MEP facilities; and state-of-the-art safety, security, and environmental enhancements.

Chelsea Public Recreational Center HVAC Upgrades - Chief Estimator/Project Manager
Managed the installation of rooftop air handling units, split systems, exhaust and supply air fans, hot water boilers, radiators, duct hot water coils, dehumidification, heating and cooling air handling systems for swimming pool area with associated ductwork, piping, and automatic temperature controls for this project at West 25th Street and 10th Avenue in Manhattan. Mr. Sinayuk also led the development of cost estimates.

MTA LIRR Department of Program Management - Senior Estimator
Providing cost estimates for various LIRR projects, reviewing and negotiating change orders with contractors under a program management contract with the Metropolitan Transportation Authority (MTA) and Long Island Rail Road (LIRR).

MTA Capital Construction/LIRR East Side Access - Senior Mechanical Estimator
Developed HVAC take-off and cost estimates for tunnel ventilation and facility power at both the Manhattan and Queens, NY, sections of the $10 billion project for the Metropolitan Transportation Authority (MTA) to bring Long Island Rail Road (LIRR) service to Grand Central Terminal. The construction includes integration of the Amtrak high-speed rail program, tunneling beneath active transit lines, underpinning existing buildings and structures, shaft construction in a dense urban environment, and extensive utility relocation while maintaining ongoing rail operations.

MTA LIRR Police Interior Fit-Out - Chief Estimator/ Project Manager
Managed cost estimation and purchasing of HVAC equipment, developed the scheduling for construction, and provided overall project management for this interior fit-out project in the Jamaica section of Queens, NY, for the Metropolitan Transportation Authority (MTA) and Long Island Rail Road (LIRR). Mr. Sinayuk supervised the development of shop drawings and material submittals; reviewed contract designs for omissions and errors; and handled bid preparation, estimation, and negotiation of change orders. He also coordinated with other trades and monitored subcontracted personnel. The project involved the complete interior fit-out of three floors, which included installing a new HVAC system, plumbing, fire protection, power, fire alarm, data communication, security, CCTV and control wiring, walls and partitions, doors, windows, ceilings, holding cells, floors, ceramic tiles, and lockers.

Nicholas J. Rollizo

SCHEDULER

Mr. Rollizo is a scheduler and mechanical engineer with experience developing schedules for government, commercial, and transit projects, including bridge, rail, highway, and multimodal. He is also experienced in preparing and analyzing schedules for complex projects and large construction sites, including the 35-acre New York City Police Training Academy in Queens, the Hoboken Ferry Terminal and Yard Complex, and the East Side Access project. Mr. Rollizo is adept at providing critical path method (CPM) schedules and updates.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
7

EDUCATION
BACHELOR OF SCIENCE, MECHANICAL ENGINEERING; THE COLLEGE OF STATEN ISLAND

BACHELOR OF SCIENCE, PHYSICS; THE COLLEGE OF STATEN ISLAND

TRAINING
OSHA 10-HOUR CONSTRUCTION HEALTH AND SAFETY

OSHA 30-HOUR CONSTRUCTION HEALTH AND SAFETY

MEMBERSHIPS
CONSTRUCTION MANAGEMENT ASSOCIATION OF AMERICA (CMAA)

COMPUTER SKILLS
PRIMAVERA PROJECT PLANNER, PRIMAVERA PROJECT PORTFOLIO MANAGEMENT, MS PROJECT, NAVISWORKS FREEDOM, ADOBE PHOTOSHOP, MS OFFICE

Project Experience

PANYNJ One World Trade Center - Schedule Analyst

Analyzed sequencing scenarios for the completion of the foundations for One World Trade Center (WTC), the centerpiece of the new WTC complex in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). The 1,776-foot tower includes more than 3.6 million gross sf, and houses below grade shopping and provides access to the WTC Transportation Hub and the World Financial Center.

PANYNJ WTC Vehicle Security Center and Tour Bus Parking Facility - Schedule Analyst

Developed possible means and methods and durations of construction work activities for schedules for this facility, which will be used to examine vehicles entering the World Trade Center (WTC) site in Lower Manhattan. The Port Authority of New York and New Jersey (PANYNJ) project also includes a parking facility to serve up to 80 tour buses. Mr. Rollizo built a scale model of the structure's garage to use in the planning process.

NJ TRANSIT Hoboken Terminal and Yard Complex Rehabilitation and Redevelopment - Schedule Analyst

Developed and analyzed the Stage 3 CPM construction schedule for the renovation and redevelopment of NJ TRANSIT's historic Hoboken Terminal and Yard Complex on the New Jersey waterfront. The $120 million restoration encompassed the Hoboken Terminal building, both railroad and ferry terminals, and a Bush train shed and storage yard, as well as support facilities for the six commuter rail lines that terminate at the station. Mr. Rollizo provided the construction schedules using Primavera Project Planner.

MTA Capital Construction/LIRR East Side Access - Schedule Analyst

Migrated all CPM schedules from Primavera Project Planner to Project Portfolio Management (P6) for the $10 billion Metropolitan Transportation Authority (MTA) project to provide direct service for Long Island Rail Road (LIRR) trains to Grand Central Terminal in Manhattan. Mr. Rollizo also managed the database for all schedules developed with P6.

Town of Fairfield/ConnDOT Fairfield Metro Station CEI Services - Schedule Analyst

Developed the monthly update schedule to portray ongoing construction activity and quantify progress for a new train station along the New Haven Line in Fairfield, CT. STV performed daily quality control of all construction activity for this $42.7 million Connecticut Department of Transportation (ConnDOT) project, which included a vehicular bridge over the tracks, a pedestrian overpass, and an expanded parking lot. The station was built in conjunction with a mixed-use development and incorporated 1,000-foot-long, high-level platforms along the 4-track main line.

NYSDOT Gowanus Expressway Rehabilitation - Schedule Analyst
Analyzed contractor CPM construction updates against the baseline schedule for the $146 million rehabilitation of the Gowanus Expressway in Brooklyn, NY, for the New York State Department of Transportation (NYSDOT). The project included replacement of the concrete roadway deck, deteriorated bolts, rivets, diaphragms, and bracing; reinforcement or limited replacement of deteriorated stringers and floor beams; and painting to maintain the integrity of the steel.

NYCDOT Willis Avenue Bridge Reconstruction REI - Schedule Analyst
Evaluated contractor CPM construction updates against the baseline schedule as part of resident engineering and inspection (REI) services for the $640 million New York City Department of Transportation (NYCDOT) replacement of the Willis Avenue Bridge over the Harlem River. The replacement involved a movable swing span bridge that was fabricated off-shore and floated in place. The main swing span and approach spans have a new alignment just south of the bridge with new ramps connecting to a rebuilt Harlem River Drive viaduct.

ConnDOT Moses Wheeler Bridge Replacement - Schedule Analyst
Examined various construction sequencing and methodologies to calculate the shortest project completion time for the $218 million Connecticut Department of Transportation (ConnDOT) replacement of the Moses Wheeler Bridge, which carries I-95 over a local roadway, parking areas of a retail shopping center, and the Housatonic River between Stratford and Milford, CT. Mr. Rollizo took into account the complicated phasing required, as the bridge will be in use at all times during construction. The project also involves concrete segmental construction and marine work.

NYCDDC New York City Police Training Academy CM - Scheduler
Developed the weekly engineering submittal schedule, coordinated construction schedules, and provided monthly progress updates as part of construction management (CM) services for the new 35-acre New York City Police Department (NYPD) academy campus in the College Point section of Queens, NY, for the New York City Department of Design and Construction (NYCDDC). This joint-venture, design-bid-build project will accommodate all of the NYPD's recruitment and in-service training requirements, and it will be the largest public building project ever undertaken in New York City. The $656 million Phase I of the project will provide a new academic building, a physical training facility, and a central utility plant. Phase II will include firing ranges, a tactical village for urban training, and other elements. The project has been designed for a LEED® Silver rating.

DASNY Bronx Family and Criminal Court House - Preliminary Scheduler
Developed the preliminary schedule for the interior renovation of the Bronx Family and Criminal Court House, a $30 million project for the Dormitory Authority of the State of New York (DASNY). The renovations will improve the holding areas for New York Police Department arrest-to-arraignment functions. Mr. Rollizo used Primavera Project Planner to provide construction schedules as well as supporting drawings and documents.

Rohit Ahuja

CONSTRUCTION SCHEDULER

Mr. Ahuja has 20 years of experience in CPM scheduling, construction management, project and program management, project controls, claims analysis, resource/cost management, strategic, and organizational planning, business process reëngineering, and performance improvement. Clients include both private and public organizations in the fields of construction, transportation, pharmaceutical, process, finance, real estate, and information systems. Responsibilities include developing, updating, analyzing, and reporting on detailed cost/resource loaded CPM schedules.

FIRM
ELLANA CONSTRUCTION CONSULTANTS, INC.

YEARS OF EXPERIENCE
20

EDUCATION
MASTER OF SCIENCE/ INDUSTRIAL & SYSTEMS ENGINEERING; RUTGERS UNIVERSITY

BACHELOR OF SCIENCE, MECHANICAL ENGINEERING; PANJAB UNIVERSITY

LICENSES/ CERTIFICATIONS
PMI

Project Experience

PANYNJ Newark Liberty International Airport Terminal B Renovations - Project Scheduler
This project included providing CPM scheduling for major renovations at Terminal B in Newark, NJ. The scope of work comprised final design and contract documents (stage iii) and post award services (stage iv) for Terminal B mid and upper levels and other related infrastructure.

PANYNJ Newark Liberty International Airport North Cargo Building Facility - Project Scheduler
This project involved developing, managing, updating and analyzing detailed CPM schedules for North Air Cargo Building in Newark, NJ. Mr. Ahuja's responsibilities included developing and maintaining detailed resource and cost-loaded CPM schedules, and performing time-impact analyses and making presentations to clients.

United Airlines Maintenance Operations Center - Project Scheduler
This project involved analyzing and developing strategies, schedules, resources, and costs for the construction of a $1 billion Maintenance Operations Center for United Airlines.

PANYNJ Newark Liberty International Airport Continental Airlines Terminal Expansion - Project Scheduler
This project included developing, managing, updating and analyzing detailed CPM schedules for this Continental Airlines terminal expansion project in Newark, NJ. Responsibilities included developing and maintaining detailed resource and cost-loaded CPM schedules for the North Air Cargo Building at Newark Airport. Also responsible for performing time-impact analyses and making presentations to clients.

PANYNJ Newark Liberty International Airport Project Management Support - Project Scheduler
This project involved developing, updating, analyzing and reporting on detailed cost/resource loaded CPM schedules using Primavera, in Newark, NJ.

PANYNJ JFK International Airport Terminal 4 - Project Scheduler
This project involved the construction of a new $1.4 billion, 1.5 million-sf terminal, which replaced JFK's old International Arrivals Building in Queens, NY. Mr. Ahuja's services involved developing and managing a detailed CPM schedule for the electrical contractor client during the construction phase, who was under a separate contract with the PANYNJ for the extensive, approximately $20 million electrical scope of work.

PANYNJ JFK International Airport Project Management Support - Project Scheduler
This project involved developing, updating, analyzing and reporting on detailed cost/resource loaded CPM schedules using Primavera in Queens, NY.

MTA Task Order Design/Technical Services Security Capital Program - Project Scheduler
This assignment involves providing cost estimating and project scheduling services for engineering design and technical services for the Metropolitan Transportation Authority (MTA) security improvement capital program in New York, NY. Services include risk and vulnerability assessments, development of a security program and security design guidelines, engineered solutions for threat mitigation, cost/benefit analyses of alternative mitigations, conceptual design, design development, final design, contract document preparation including drawings and specifications, preparation of project phasing plan and cost estimates, value engineering, and pre- and post-construction contract award services for a variety of security projects.

MTA Rail Control Center - Project Scheduler
This project involved developing, and updating detailed CPM schedules in New York, NY. Responsibilities also included analyzing delays, and performing time impact analyses. This was a project for a Bonding company that resulted from a defaulted contractor. Tasks involved managing the scheduling efforts that include developing and analyzing the detailed CPM schedules for remaining work, as well as working with new contractors and subcontractors to develop strategy, WBS and CPM schedules to complete remaining work.

MTA Times Square and 53rd Street Renovations - Project Scheduler
This project involved providing scheduling services for various renovations in New York, NY.

MTA Union Square Station - Project Scheduler
This project involved providing scheduling services for various renovations in New York, NY.

World Trade Center - Project Scheduler
This project involved the development of CPM schedules and re-construction strategies to restore the entire World Trade Center facility, within an aggressive time frame, following the explosion in February, 1993. There were evaluations to the damages to the World Trade Center, incorporated in the CPM schedule and analyzed impacts. Assistance was given to the Port Authority in preparation of claims to the insurance companies as a result of the blast. These claims were presented in Primavera graphics and schedule formats. Conducted schedule and risk analysis on the project. These claims were used for testifying against the persons responsible for the bombing of WTC. Project and program controls/management support services for a $970 million capital program for World Trade Center, New York. The capital program had four major programs: Building Systems, Security Systems, Public Space and Asset Renewals. These programs were divided into 30 major projects and 110 sub-projects consisting of software design, development, computer hardware, security and digital equipment procurement, installation, renovation, base building and interior construction. Develop, manage and update detail cost and resource loaded CPM Schedules for an integrated Program Controls/Project Management System (PC/PMS) for the World Trade Center Capital Program from conception to delivery. The system was developed in Sybase with Power Builder in LAN environment. Major role in managing the design, development, testing and implementation of the PC/PMS.

Yvonne E. Dennis

SENIOR CONTRACT SPECIALIST

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
46

EDUCATION
COURSEWORK IN COMPUTER SCIENCE; GRAHAM BUSINESS COLLEGE

DIPLOMA, STENOGRAPHY; DURHAM COLLEGE, JAMAICA, WEST INDIES

COMPUTER SKILLS
PRIMAVERA EXPEDITION, MS ACCESS

Ms. Dennis has more than 45 years of experience in administrative support, including document control, and monitoring submissions, correspondence, and logs. She is adept in maintaining change orders, and assisting with billing, ledgers, and reconciliation of accounts. As a documents control administrator, Ms. Dennis has maintained all reports and logs, in addition to distributing all project-related correspondence and information. She has been responsible for running an office and supervising out-of-house and in-house operations such as payroll, timesheets, and supply and equipment maintenance. In addition, Ms. Dennis' familiarity with the archiving program Primavera Expedition has proven invaluable in providing document control services.

Project Experience

PANYNJ WTC Transportation Hub - Document Control/Project Control

Providing document control services during the engineering and design of the 2-million-sf, $3.2 billion Transportation Hub at the World Trade Center (WTC) site in Lower Manhattan, for the Port Authority of New York and New Jersey (PANYNJ). The intermodal facility will link 11 subway lines, PATH trains, and ferry service to locations on and around the WTC site; provide 400,000 sf of retail space; and serve 250,000 users per day. The firm is architect of record and also providing cost estimating and value engineering services and supporting construction staging plans. Ms. Dennis is responsible for fielding incoming and outgoing correspondence, tracking and scanning all documents, archiving the documents using Primavera Expedition, and preparing invoices and correspondence. She is updating and maintaining an electronic database of all records and documents, and is generating and preparing hard copies of all Expedition logs. Ms. Dennis established and is maintaining a drawing list database with Microsoft Access. She is securing hard copies of documents in the document control file room. In addition, Ms. Dennis is providing special handling of secure client and subconsultant correspondence, and helping train new employees and interns. She reports to the project manager.

PANYNJ AirTrain JFK - Document Control

Maintained document control for a $1.3 billion design-build-operate-maintain (DBOM) project for an elevated light rail system servicing JFK International Airport in Queens, NY, and connecting passengers to the New York City and Long Island subway/bus systems and rental car areas. The project included a $29.5 million, six-track, 64,000-sf operations, maintenance, and storage facility in Queens that houses a 2,500-sf operations control center houses for the 8.4-mile, 10-station system, and security operations that integrate hundreds of CCTVs and direct communication to each station's emergency command center. Ms. Dennis was responsible for fielding incoming and outgoing correspondence, tracking and scanning all documents, archiving the documents using Primavera Expedition, and preparing invoices and correspondence. She worked reported to the project manager and monitored over 1,000 boxes and packages of documents for this project. The firm provided complete architectural and engineering design, environmental, and construction support services.

MBTA Greenbush Line Rail Restoration Design-Build - Document Control

Monitored incoming and outgoing correspondence for the Massachusetts Bay Transportation Authority (MBTA)'s restoration and reconstruction of this right-of-way through the towns of Braintree, Weymouth, Hingham, Cohasset, and Scituate, MA, on the South Shore of Massachu-

setts. The project included the implementation of seven new stations (each with an 800-foot-long high-level platform), a new signal and communication system, and a layover facility at the end of the line in Scituate. Ms. Dennis tracked, scanned, and archived documents, and prepared invoices and letters for all documentation that passed through the firm's New York office.

Federal Bureau of Prisons Field Office - Former Administrative Assistant/Document Controls
Provided document control services using Primavera Expedition and maintained the project flow of submissions, incoming and outgoing correspondence, and all associated reports and logs for this office in Brooklyn, NY. Ms. Dennis worked independently, with minimum supervision and guidance.

Federal Bureau of Prisons Field Office - Former Secretary/Receptionist
Maintained and distributed all correspondence, minutes of meetings, submittals, and change orders at its office in Brooklyn, NY. Ms. Dennis managed in-house staff payroll, timesheets, and supply and equipment maintenance. She also oversaw the operation of the office.

Construction Firm Main Office - Former Staff Accountant
Maintained billing, recording, and issuing of credit and debit memos; reconciled accounts receivable to general ledgers; conducted collection calls; and resolved billing errors with clients from a construction firm's main office in New York. Ms. Dennis maintained a monthly report, completed A/P invoice entries, and verified entries and reports. She updated and revised vendor lists, maintained employee counts and salaries, updated net plan information as received from project managers, and created net plans and modifications for new projects or change orders. Ms. Dennis also handled outgoing mail and ordered office supplies.

Dennis Abbate

CONTRACT SPECIALIST

Mr. Abbate has nearly 15 years of experience in document control, including maintenance of electronic databases and hard copy files of records and documents. He is adept at establishing and maintaining drawing list databases with Microsoft Access and is proficient in the use of Primavera Expedition software. Mr. Abbate is leading a team responsible for document control services during construction of the World Trade Center Transportation Hub in Lower Manhattan, and was recognized by STV's project team as the 2010 Employee of the Year. He is responsible for monitoring and uploading requests for information (RFIs), requests for comment (RFCs), shop drawings, and submittals for this $3.2 billion project, as well as performing quality assurance/ quality control (QA/QC) for all contract drawings.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
15

EDUCATION
BACHELOR OF SCIENCE, BUSINESS MANAGEMENT; ST. FRANCIS COLLEGE

Project Experience

PANYNJ WTC Transportation Hub - Document Control Specialist/ Project Engineer

Updating and maintaining an electronic database of records and documents using Primavera Expedition software for the design of the $3.2 billion World Trade Center (WTC) Transportation Hub in Lower Manhattan, as part of a joint venture and working with renowned Spanish architect Santiago Calatrava. The 2-million-sf, $3.2 billion intermodal facility will link 11 subway lines, PATH trains, and ferry service to locations on and around the 16-acre WTC site; provide 400,000 sf of retail space; and serve 250,000 users per day. Mr. Abbate is maintaining electronic PDF documents in the project electronic network and Primavera contract manager, and is preparing periodic contract manager logs. He is responsible for establishing, updating, and maintaining a drawing list and final design deliverables database with Microsoft Access; generating and editing summaries for weekly meetings; and generating, processing, reviewing, and routing RFIs and shop drawings. The project has included approximately 85,000 submittals/shop drawings and more than 14,000 RFIs. As a document control specialist, he is managing a team responsible for services during construction including the RFI/RFC/shop drawing/submittal process. Mr. Abbate's responsibilities include delegating work and responsibilities, developing and updating procedures, and training new staff. He is also continuing to maintain the Microsoft Access contract drawing database; recording every contract drawing, sketch, bulletin, and addendum sent from the Downtown Design Partnership (DDP); and performing QA/QC of contract drawings before releasing them to PANYNJ. In addition, Mr. Abbate has created a Microsoft Access database containing more than 40,000 records of all contract drawings and associated revisions. He is emailing and uploading RFIs to the proper reviewers; emailing and uploading reviewed RFIs, RFCs, shop drawings, and submittals at the close of each business day; and generating reports and checking due dates of RFIs, shop drawings, and submittals. Mr. Abbate is making sure deadlines are met for RFI and shop drawing reviews to be returned, and is confirming that RFIs and shop drawings are submitted to the contractor with proper requirements and follow the appropriate protocol. He is providing QC of all shop drawings and submittals received from the contractor, and resolving any discrepancies. Mr. Abbate is in daily communication with the construction manager and client to maintain a fluid work flow with each entity.

Anthony J. Boyd

CONTROL SPECIALIST

Mr. Boyd has more than 15 years of experience managing documents on large, complex projects in the New York City metropolitan area. He has prepared and maintained control records and has been responsible for tracking design and shop drawings. Mr. Boyd is skilled at maintaining labor schedules; managing personnel; and coordinating with contractors, subcontractors, and architects. He is also experienced in organizing and analyzing reporting data for management and in overseeing requests for information (RFIs).

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
16

EDUCATION
HIGH SCHOOL DIPLOMA; HILLCREST HIGH SCHOOL

TRAINING
OSHA 40-HOUR SITE SAFETY MANAGER
OSHA 30-HOUR
OSHA 10-HOUR

Project Experience

NYCDDC New York City Police Training Academy CM - Document Control Manager

Managing preconstruction documentation for the New York City Police Academy, being built in two phases on a 33-acre municipal site in the College Point area of Queens, NY, for NYCDDC. The state-of-the-art facility will accommodate all of the New York City Police Department's recruitment and in-service training requirements. The $656 million, 720,000-sf Phase I comprises a new academic building, a physical training facility, and a central utility plant. Mr. Boyd is overseeing the blueprints, shop drawings, specifications, and invoices. The LEED®-registered project is seeking certification to the Silver level.

USPS Brooklyn Post Office - Document Controller

Oversaw the transmittals, submissions, and RFIs for the $146 million renovation and adaptive reuse of a 540,000-sf U.S. Postal Service (USPS) building in Brooklyn, NY.

GSA Federal Courthouse Renovation - Document Controller

Coordinated the documents and processed RFIs for the $197 million renovation of an 85,000-sf federal courthouse in Brooklyn, NY, for the U.S. General Services Administration (GSA). The addition created 40,000 sf of office space and judges' chambers.

Metropolitan Museum of Art Expansion - Document Controller

Facilitated the coordination of the file clerking, correspondence, and project documents for the $52 million refurbishment and expansion of one of the world's largest museums, located in Manhattan. The expansion created space for the new Greek and Roman galleries, as well as staff space. Mr. Boyd assumed responsibility when the previous controller left the job suddenly. He also coordinated the specifications for the cooling and electrical systems upgrades.

Private Developer Maxwell Place on the Hudson - Document Control Lead

Coordinated the construction documents and labor work sheets for the $195 million construction of Block A and Block B of a luxury condominium and mixed-use facility in Hoboken, NJ. The scope of work included a 12-story, 350,000-sf building with 169 units and a below-grade parking deck in Block A, and a 376-unit, 990,000-sf space with a 27-month completion schedule in Block B.

Private Developer 535 West End Avenue - Document Control Lead

Oversaw the construction documents and tracked samples for the $200 million construction of a 20-story luxury residence building located in the Upper West Side neighborhood of Manhattan. Mr. Boyd provided file clerking and correspondence for approvals.

Menorah Home and Hospital - Document Controller
Organized the close-out construction documents for a $40 million renovation, of a nursing home in Brooklyn, NY. Mr. Boyd coordinated the mock-ups for the field and managed the construction documents, including locating windows and doors on plans.

Davinder Kaur

CONTRACT SPECIALIST

Ms. Kaur has more than 10 years of experience as a contract administrator and is skilled at developing and administering contracts and requests for proposals (RFPs) for multimillion-dollar construction projects. Her expertise includes managing contracts and pre-award contracts and administering change orders, progress measurements, and correspondence. Through Ms. Kaur's extensive work with the Port Authority of New York and New Jersey (PANYNJ) for the construction of the World Trade Center (WTC) Transportation Hub, she is proficient in standard operation procedures and best practices relating to contracts management in the government contracting environment, including Federal Acquisition Regulation (FAR) requirements. She is adept at organizing and executing project plans and collaborating with diversified technical teams.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
12

EDUCATION
BACHELOR OF SCIENCE, ECONOMICS; QUEENS COLLEGE, CITY UNIVERSITY OF NEW YORK

TRAINING
OSHA 10=HOUR

COMPUTER SKILLS
SAP, SAGE PEACHTREE, CMSI, CITRIX, COMMITMENT WRITER, RFMS, AS/400, FASTTAC, CONSTRUCTWARE, MS OFFICE

Project Experience

PANYNJ WTC Transportation Hub - Contract Administrator

Prepared and issued RFP packages and contracts for approximately $500 million worth of subcontracted work for the construction of the WTC Transportation Hub in Lower Manhattan. The 2-million-sf multi-modal center will link Port Authority Trans-Hudson (PATH) service, numerous subway lines, the Battery Park City Ferry Terminal, the World Financial Center, the National September 11 Memorial & Museum, and One World Trade Center. Underground pedestrian concourses will serve 10 million sf of commercial development in five office towers and more than 400,000 sf of retail development. Ms. Kaur managed all phases of contract management for 60 contracts, from initial procurement through release of RFPs to award of subcontracts. She prepared and coordinated all required closeout correspondence and documentation for a timely closeout of contracts, and prepared and maintained a contract file check list of completed closeouts. Ms. Kaur reconciled the contracting and accounting systems, and she made sure of subcontractor compliance with FAR, New York City, and PANYNJ regulations. She audited subcontractor invoices, verified work in place, made sure of timely payment for all subcontractors, and participated in procurement meetings with client and meetings with subcontractors. Ms. Kaur developed and maintained contract management systems to track correspondence, invoices, modifications, payment and performance bonds, and insurance. She also reconciled monthly contract reports and maintained contract management files. In addition, Ms. Kaur managed and mentored two contract technicians.

NYCDDC New York City Police Training Academy CM - Contract Administrator

Providing document control for the construction management (CM), including preconstruction, construction, and post-construction services, of the new $656 million academy being built by New York City Department of Design and Construction (NYCDDC) for the New York City Police Department in the College Point section of Queens, NY. This joint-venture, design-bid-build project consists of two phases, and will encompass a new academic building, a physical training facility, a central utility plant, firing ranges, and a tactical village for urban training. The project is registered for LEED® with the certification goal of Silver. Ms. Kaur is responsible for the timely and accurate submission of project documents, including developing and maintaining the document development and approval systems, and providing recommendations for improvements. She is managing FASTTAC and Constructware updates, including drawings and bid packages. Ms. Kaur is tracking requests for information and architect's supplemental instructions, and making sure the team is working with updated drawings and specifications. She is also arranging weekly management meetings.

Lisa Canton

CONTRACT SPECIALIST

Ms. Canton has extensive leadership experience in construction project administration, document controls, document publishing, contract administration, construction specifications, administrative assistance, and strong PC skills.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
24

EDUCATION
ASSOCIATE IN ARTS, BUSINESS MANAGEMENT; SANTA FE COMMUNITY COLLEGE

Project Experience

NYCTA CM-1256 Construction Management Services for the Fulton Street Transit Center - Document Control Specialist

Providing construction management services for this $880 million project. The Metropolitan Transportation Authority and MTA Capital Construction are building a new Fulton Street Transit Center in the general vicinity of Fulton Street and Broadway, incorporating six existing Lower Manhattan subway stations which includes: Fulton Street for nos. 2, 3, 4, 5, J, M and Z trains; Broadway-Nassau Street for A and C trains; Chambers Street / World Trade Center for E train; and Cortlandt Street for R and W trains. The FSTC project's goal is improve access to and connections between 12 subway lines for hundreds of thousands of daily commuters and Lower Manhattan residents and visitors, and will link NYC Transit facilities with PATH service and the World Trade Center site. Construction of the Fulton Street Transit Center is underway and parts of the new station have already been opened for commuter use.

CH2M HILL, Inc. - Document Controls Assistant

Responsible for submittals during Construction (SDC) Coordinator. Served as the Southeast Regional (SER) Lead Point-of-Contact for construction services coordination; by providing leadership to peers in administrative communication by training external SER staff on corporate database procedures; and providing the technical skills necessary to coordinate, research, and track construction Submittals, compiling engineer comments on submittals; processing submittals after engineer dispositions; working on fast paced deadlines for Requests for information (RFI's), Clarification/Interpretation Requests, Field Orders, and Operation & Maintenance Manuals for reviewing design engineers, client, field representatives & Project Managers; providing technical assistance and training of SDC coordinators in tracking construction procedures using Expedition (Primavera- Contract Manager); maintaining Project Records during the phase, and archiving at closeout; assisting Operations Leader (OL) with meeting staff utilization goals, communication on project chartering meetings/provide copy of project instructions to OL. Maintained project schedule and submittal reports for all in-house projects, including duration and provide primary project point-of-contact with direct informative technical feedback meetings on a biweekly basis.

CH2M HILL, Inc. - Document Publishing Specialist and Lead Construction Specifications Coordinator

Responsible for setting up CSI master specifications for projects in Panagon database, tracking specification sections, attending project meetings, processing and proofing specifications and references, communicating with Project Assistants and Engineering team on the project, scheduling, forwarding, and assembling the contract documents for reproduction, distributing the contract documents for internal, Client, Plan Rooms, and Contractor distribution. Bidwork procedures include selling contract documents to bidding contractors, subcontractors, and equipment suppliers; creating, compiling and distributing addenda on project to distribution list; and sending out weekly bidder's list to companies interested in networking with bidders in the event they win bid. Conforming documents which include revising all changes per

addenda to specifications; and preparing signed Contract Documents for client and awarded contractor to use in the field during construction. Assisting engineers and other processors to meet their deadlines so that workload and deadlines are compatible.

CH2M HILL, Inc., Gainesville, FL - Administrative Assistant
Served as the only administrative assistant for the Environmental Department of 23 engineers. Had independently prepared reports for the Senior Environmental Department Manager and coordinated presentations and production (graphics, editing and reproduction), routinely solved problems and questions for engineers; performed workload leveling for administrative work group; drafted and tracked project and subcontractor invoices; setup and maintained financial and procurement databases and tracking systems; developed new or recommended revised procedures; coordinated conferences, weekly & monthly staff and client professional meetings and organized community events. Collected and compiled data in response to special requests; screened calls, arranged meetings and engineer travel; and maintained the schedule for senior management and other personnel.

CH2M HILL, Inc. - Document Publishing Specialist and Construction Specifications Processor
Responsible for setting up CSI master specifications for a project in Word Perfect & SAROS software, tracking specification sections, attending project meetings, processing and proofing specifications and references, communicating with Project Assistants and Engineering team on the project, scheduling, forwarding, and assembling the Contract Documents for reproduction, distributing the Contract Documents for internal, Client, Plan Rooms, and Contractor distribution. Bidwork procedures include selling Contract Documents to bidding contractors, subcontractors, and equipment suppliers; creating, compiling and distributing addenda on project to distribution list; and sending out weekly bidder's list to companies interested in networking with bidders in the event they win bid. Conforming documents which include revising all changes per addenda to specifications; and preparing signed Contract Documents for client and awarded contractor to use in the field during construction. Assisted engineers and other processors to meet their deadlines so that workload and deadlines are compatible.

Shands-Alachua General Hospital - Part-Time File Clerk
Responsible for filing confidential documents and medical records; also billing appropriate patient insurance companies for medical services patients received from hospital.

Christine Stanton

CONTRACT SPECIALIST

Ms. Stanton has 14 years of experience as a document control specialist for the A/E and Construction Industry. Her experience includes: preparation of Subcontracts and Vendor Agreements and Change Orders for Owner and Subcontractors; processing request for information and submittals; management of insurance certificates; and maintaining current logs (Change Orders, Contracts, Drawing Lists and Insurance) using Primavera Expedition.

FIRM
KS ENGINEERS, PC

YEARS OF EXPERIENCE
14

EDUCATION
CURRENTLY POSSESS 76 CREDITS TOWARDS A BA IN BUSINESS ADMINISTRATION; NEW JERSEY CITY UNIVERSITY

Project Experience

PANYNJ Construction Management Services on a "Call-In" Basis – Field Position for Contract Specialist for Construction Management Division - Contract Specialist

Working out of the Office of the Assistant Chief Engineer – Construction and the Engineer of Construction, Construction Administration, Engineering Department at the Port Authority Tech Center in Jersey City, NJ. Responsible for consultant invoices, purchase order budgets, new call-in agreement requests, distribution of bid-tabs, non-disclosure agreements, and the bid log.

NJSDA Construction Management Services for Roberto Clemente School - Document Control Engineer

This project consists of the renovation of an existing 8,200-sf commercial building into four kindergarten classrooms, one multi-purpose room, a kitchen and administration spaces. The project also includes building a parking lot on a different site adjacent to the building site. Scope of work also includes a new roof and 5 HVAC roof top units. The existing building is one story on grade steel frame structure that has no basement.

Hudson Meridian Construction Group, New York, NY - Project Document Control Administrator

- Prepare Subcontracts and Vendor Agreements
- Prepare Change Orders for Owner and Subcontractors
- Process request for information and submittals
- Manage and obtain insurance certificates
- Maintain current logs (Change Orders, Contracts, Drawing Lists and Insurance) using Primavera Expedition
- Code all invoices and requisitions
- Set up and maintain files for correspondence and submittals
- Set up and maintain Control Books and PM Binders
- Assist Director of Field Operations/Project Executive

Jeffrey M. Brown Associates, New Jersey & New York - Project Document Control Administrator

- Prepare Subcontracts and Purchase Orders
- Prepare Change Orders for Owner and Subcontractors
- Process all change management, request for information and submittals utilizing Expedition
- Manage and obtain all insurance certificates
- Maintain current logs Change Orders, Change Proposals, Contracts, Cost Worksheet, Drawing Lists,
  Insurance and Potential Change Orders) using Primavera Expedition
- Request, gather and process all closeout material
- Review and distribute all faxes and incoming mail using DocStar
- Set and maintain files for correspondence and submittals

Jeffrey M. Brown Associates, New Jersey & New York - Project Secretary

- Managed a field office for a construction site
- Handled all calls for this site
- Scheduled and coordinated meetings between management, owners and subcontractors
- Ordered all supplies needed for the jobsite
- Maintain all filing

J.D. Edwards and Company, Rutherford, NJ - Training Center Coordinator

- Provided receptionist service for a training facility housing over 300 students
- Prepare and coordinate training and marketing material for all classes
- Act as corporate "point person", providing clients with assistance on issues ranging from using the software to accessing the Internet

J.D. Edwards and Company, Rutherford, NJ - Office Receptionist

- Provided receptionist services for an office housing over 500 employees
- Processed administrative requests utilizing the Microsoft Office
- Managed the appointments for several key company officers, as well as conference rooms, utilizing Microsoft Outlook
- Acted as the "backup" Office Manager, during the Office Manager's vacation periods

Venestina Cuevas

OFFICE ENGINEER

Ms. Cuevas has more than 10 years of experience in the design and construction of transportation projects, including roadway, bridge, infrastructure, and facility improvements, primarily in the New York metropolitan area. Her bridge experience ranges from providing condition inspections, load rating calculations, and design drawings for emergency repairs and capital improvements for a variety of roadway and rail bridges through construction inspection of roadway/tollway improvements on a major suspension bridge, the Verrazano-Narrows. In addition, Ms. Cuevas has provided structural design for the rehabilitation of retaining walls and is experienced in preparing and revising structural drawings.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
12

EDUCATION
MASTER OF SCIENCE, STRUCTURAL ENGINEERING; CITY COLLEGE OF NEW YORK (CCNY)

BACHELOR OF SCIENCE, CIVIL ENGINEERING; TECHNOLOGICAL INSTITUTE OF SANTO DOMINGO (INTEC)

Project Experience

NYCDDC 34th Avenue/Brookside Street/Storm Sewer and Water Main Reconstruction REI - Engineering Specialist

Providing resident engineering and inspection (REI) services for the installation of storm sewer and water main near 34th Avenue and Brookside Street in Queens, NY, for the DDC. Ms. Cuevas maintains records in compliance with DDC record-keeping procedures, and prepares change orders to incorporate condition revisions. She also reviews as-built record plans showing all changes from the contract plans and documents work progress, specific problems encountered, and other pertinent project information.

NYCDDC Requirements Contract - Structural Engineering Specialist

Provided civil and structural engineering services for the inspection and design of various retaining walls throughout New York City under a requirements contract with the DDC. Assignments included the replacement of a retaining wall at 181st Street in the Bronx; civil engineering and design for the reconstruction of a retaining wall along St. Paul's Avenue in Staten Island; and structural design of the final wall section for the replacement of two retaining walls, 305 feet and 294 feet long, respectively, on Kappock Street in the Bronx.

NYCDDC Kappock Street Retaining Wall Replacement - Structural Engineering Specialist

Oversaw preliminary through final design of the final wall section for the replacement of the 305-foot-long north and 294-foot-long south retaining walls on Kappock Street in the Bronx, NY, as part of a requirements contract with the DDC. Ms. Cuevas also reviewed drawings and calculations.

NYCDDC St. Paul's Avenue Retaining Wall Rehabilitation - Structural Engineering Specialist

Performed field surveys and reviewed drawings for the reconstruction of an approximately 35-foot-long by 2-foot-wide retaining wall in Staten Island, NY, as part of a requirements contract with the DDC.

TBTA Verrazano-Narrows Bridge Toll Plaza Improvements Phase B - Construction Inspector

Monitoring and documenting road and bridge construction for compliance with project plans and specifications for improvements by the TBTA to the toll plaza on the Staten Island end of the Verrazano-Narrows Bridge, a major link in the interstate highway system connecting Brooklyn and Staten Island, NY. Phase B of this project, which will be completed in a 10-stage process over 45 months, will improve the flow of traffic along the Staten Island Expressway (SIE) through the Verrazano Plaza area. In addition to the removal of the remaining three toll booths and islands, this phase includes construction of a new eastbound lower-level con-

nector ramp to the bridge, retaining walls, and extensive roadwork to provide new on- and off-ramps to the Staten Island Expressway.

TBTA Triborough Bridge Toll Plaza Concrete Deck Replacement - Construction Inspector
Performed construction inspection of the reinforced concrete decks of the Manhattan and Bronx toll plazas of the Triborough Bridge for the Triborough Bridge and Tunnel Authority (TBTA). Ms. Cuevas generated daily reports of the work performed and estimated quantities for payment submissions. The repairs included demolition of the affected plaza areas and replacement of the concrete deck.

PANYNJ Cortlandt Station - Assistant Team Leader
Performed a condition inspection of the Cortlandt Street Subway Station at the World Trade Center in Lower Manhattan for the PANYNJ. As part of the inspection team, Ms. Cuevas reviewed and generated a structural inspection report, provided assistance developing drawings, and developed estimates.

MTA/LIRR East Side Access - Structural Engineering Specialist
Assisted in preparing reports and drawings for yard structures potentially affected by construction of the $10 billion East Side Access project for the LIRR in New York City for the MTA. Ms. Cuevas is part of the inspection team for the structures surrounding the Sunnyside Yard construction site in Queens. The project will bring LIRR service to Grand Central Terminal on Manhattan's East Side.

NYCDDC West 181st Street Retaining Wall Reconstruction - Structural Engineering Specialist
Oversaw preliminary design of cross-sections and provided information for the creation and review of the Visual Inspection Report for repairs to a massive retaining wall at West 181st Street in Manhattan, as part of a requirements contract with the DDC. The rough-hewn stone wall rises from 4 feet to 30 feet above grade and extends for approximately 1,300 feet along the west side of Riverside Drive from just south of the George Washington Bridge (GWB) to a point about 1,200 feet north of the GWB.

NYSDOT Robert Moses Causeway Northbound Bridges In-Depth Inspection - Structural Engineering Specialist
Generated the inspection report based on field notes and pictures for the rehabilitation of the 2-mile northbound structure of the Robert Moses Causeway over the Great South Bay in Suffolk County, NY, for the NYSDOT. Ms. Cuevas also generated an estimate file for the alternates described in the BRPR.

Sandeep Vaidya, NICET III

OFFICE ENGINEER

Mr. Vaidya is a construction inspector and office engineer with expertise in safety and compliance management, time management and organization, and concrete and asphalt inspection for bridge, transportation, and commercial projects. He has inspected the replacement and repair of large bridges throughout New York City, and is adept at monitoring excavation, compactions, and soil stability. Mr. Vaidya is also experienced at inspecting maintenance and protection of traffic (MPT) implementation and reviewing worker safety and abatement procedures. He has monitored project schedules and change orders, and assisted the engineer-in-charge with project hour summaries and project closeout.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
8

EDUCATION
ASSOCIATE IN BUSINESS ADMINISTRATION, INFORMATION SYSTEMS; MIDDLESEX COUNTY COLLEGE

CERTIFICATIONS
LEVEL III HEAVY HIGHWAY CONSTRUCTION; NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET)

LEVEL I NATIONAL ASSOCIATION OF CORROSION ENGINEERS (NACE) CIP I

CERTIFIED CONCRETE FIELD TESTING TECHNICIAN LEVEL 1; AMERICAN CONCRETE INSTITUTE

GEOTECHNICAL AND SOIL ANALYSIS QA/QC CERTIFICATION; NEW JERSEY CITY UNIVERSITY (NJCU)

TRAINING
LEVEL 1 FIELD TECHNICIAN; NEW JERSEY SOCIETY OF ASPHALT TECHNOLOGISTS (NJSAT)

Project Experience

NYCDDC Street Resurfacing - Assistant Resident Engineer/Office Engineer

Providing engineering support during the grinding or paving of existing asphaltic roadway throughout New York City for the DDC. The project was initiated due to the poor condition of local streets throughout New York City. Mr. Vaidya is maintaining construction files and logs for this $13 million project. He is also managing submittals and change orders, preparing daily, weekly, and monthly progress status reports, and attending project meetings and recording meeting minutes.

Metro-North Cortlandt Station Intermodal Access, Parking, and Route 9A Intersection Improvements - Construction Inspector/Assistant Office Engineer

Monitored and recorded the construction progress for improvements to Metro-North Railroad's Cortlandt, NY, station. The project entailed construction of a new 730-car parking lot and access road from Route 9A, extension of a pedestrian overpass, and addition of a new elevator and waiting area. The parking lot includes a canopy-covered, intermodal drop-off plaza, covered walkways, and retaining walls. Mr. Vaidya inspected the excavation, which included rock, and backfilling for retaining walls, and the excavation of trenches for drainage and utilities. He assessed the sheeting in place for protection from cave-ins. Mr. Vaidya also inspected the installation of drainage structures and conduits for electric lines. In addition, he assisted in maintaining logs for submittals and requests for information.

NYSDOT Region 11 Bridge and Highway Drainage Rehabilitation - Construction Inspector

Provided construction inspection services for a $2 million drainage rehabilitation project which included which included cleaning existing structures, bridges, and roadway drainage structures such as catch basins, manholes, scuppers, and cleaning bridges in Brooklyn, Queens, and Staten Island, NY, for the NYSDOT. Mr. Vaidya inspected the replacement and repair of deteriorated drainage structures and recorded findings. His on-site duties included inspecting traffic control procedures and the visibility of detour and safety signs, monitoring compliance with the client's specifications, and preparing daily labor and progress reports. Mr. Vaidya assisted the engineer-in-charge with project closeout of the intelligent transportation system (ITS) project, installation of surveillance cameras, preparing MPT hours, and summarizing job hours for labor, electricians, and other workers, for both the prime contractor and subcontractor for the NYSDOT.

TBTA RFK Bridge Replacement of T-48 Roadway CI Services - Construction Inspector

Inspected the construction services and monitored compliance with contract specifications for full- and partial-depth repairs on the 15,000-sf Randall's Island-to-Queens approach ramp

of the Robert F. Kennedy (RFK) Bridge in New York City. Mr. Vaidya monitored worker safety and dust control procedures, and he reviewed the deck removal, including safe removal of debris. His inspection encompassed reinforced steel, concrete placement, and concrete breaks. Mr. Vaidya also monitored the replacement of the T-48 wearing surface of the bridge, removal of the deteriorated surface, shot blasting of the deck, performance of profile tests, dew point surface temperature and dry mill tests, primer placement, and bridge master installation. In addition, he inspected MPT on the bridge.

TBTA Throgs Neck Bridge Toll Plaza Repairs - Construction Inspector
Provided construction inspection services for the concrete roadway slab and sidewalk replacement at the Throgs Neck Bridge toll plaza, in Queens, NY, as part of a task-order project with the TBTA. On the northbound side of the plaza, 990 sf of concrete was demolished and replaced, and 120 sf of concrete was replaced on the southbound side. There was also 390 sf of sidewalk repaired along the southwest side of the plaza. Mr. Vaidya inspected slabs and roadway decking construction as per drawings and monitored concrete breaks. He made sure the temperature was maintained in the tent area surrounding the newly placed concrete, using ground heaters to avoid a drop in temperature.

TBTA RFK Bridge Randall's Island-to-Queens Approach Ramp Deck Repair - Construction Inspector
Performing construction inspections for deck repairs on the Randall's Island-to-Queens approach ramp of the Robert F. Kennedy (RFK) Bridge in New York City, as part of STV's on-call inspection services contract for TBTA. Mr. Vaidya is overseeing the removal and replacement of concrete as well as the 11,000 sf of partial deck repair and approximately 1,000 sf of full deck repair on this more than 40-year-old ramp.

TBTA Verrazano-Narrows Bridge Toll Plaza Improvement Phase A - Inspector/Office Engineer
Provided construction inspection services for improvement of the 470-foot-long westbound toll plaza of the Verrazano-Narrows Bridge in Staten Island and Brooklyn, NY, part of a $55 million, multiphase project for the TBTA. This phase included demolition and replacement of eight inactive toll booths and concrete islands, removal of a variable message sign and other electrical devices, construction of new toll plaza traffic lanes, and construction of a tunnel roof cap. Mr. Vaidya inspected all work performed by the contractor, kept daily records of progress, conducted biweekly meetings, monitored project schedules, processed contract payments, reviewed change orders, and issued monthly progress reports to the client. He performed concrete testing in accordance with ASTM standards, inspected reinforced steel for the tunnel roof cap and roadway decking, and assessed the milling and paving operations. Mr. Vaidya also monitored the daily maintenance and protection of traffic set up, inspected and monitored contractors' quality assurance and safety procedures, and oversaw lead abatement procedures.

Nony Constantino, NICET III

OFFICE ENGINEER

Mr. Constantino has more than 30 years of experience in civil engineering and the construction of bridge, roadway, and transportation facility improvements in the New York metropolitan area. He is proficient at field office recordkeeping, knowledgeable about the Manual for Uniform Recordkeeping (MURK), and experienced with on-site technical inspection of construction to verify compliance with contract documents.

FIRM
STV CONSTRUCTION, INC.

YEARS OF EXPERIENCE
37

EDUCATION
BACHELOR OF SCIENCE, CIVIL ENGINEERING; GARCIA COLLEGE OF TECHNOLOGY, PHILIPPINES

CERTIFICATIONS
NATIONAL INSTITUTE FOR CERTIFICATION IN ENGINEERING TECHNOLOGIES (NICET III), HIGHWAY CONSTRUCTION

TRAINING
NEW YORK STATE DEPARTMENT OF TRANSPORTATION (NYSDOT) COMPUTERIZED ENGINEER'S ESTIMATE SYSTEM TRAINING

NYSDOT OFFICE ENGINEERING TRAINING

OSHA 10-HOUR SAFETY TRAINING

Project Experience

TBTA Verrazano-Narrows Bridge Toll Plaza Improvements - Office Engineer

Maintaining records and processing change orders for a multi-phase $55 million program of improvements to the toll plaza on the Staten Island end of the Verrazano-Narrows Bridge connecting Brooklyn and Staten Island, NY. The TBTA project entails removal of 11 toll booths, relocation of an HVAC unit, and replacement of the toll plaza canopy roof. The first two phases of the project are complete. STV has begun construction administration and inspection services for Phase B, which includes construction of a new eastbound lower-level connector ramp to the bridge, retaining walls, and extensive roadwork to provide new on- and off-ramps to the Staten Island Expressway.

NYCDOT Honeywell Street Bridge and Queens Boulevard Bridge Replacement REI - Senior Office Engineer

Responsible for overall project recordkeeping for the $90 million replacement of the 19-span Queens Boulevard Bridge and the 22-span Honeywell Street Bridge in Queens. The resident engineering and inspection (REI) project for the NYCDOT involved using staged construction to meet a compressed 20-month schedule. Mr. Constantino reviewed as-built record plans and inspection reports, prepared the Quantity and Materials Acceptance Book, and processed the contractor's progress payment package and railroad traffic force account payments. He also reviewed MURK force account documentation for over $7 million in extra contract work.

NYSDOT I-895 (Arthur Sheridan Expressway) Rehabilitation REI - Office Engineer

Responsible for recordkeeping and preparation of change orders for this $26 million major highway reconstruction project in the Bronx. The REI project featured six lanes of full-depth concrete pavement, new drainage, lighting, and Intelligent Transportation System (ITS) components. In addition to performing office engineering tasks in compliance with MURK recordkeeping procedures and the updated Computerized Engineers Estimate System (CEES) program for progress payments, Mr. Constantino was responsible for preparing numerous orders-on contracts due to several major changed condition revisions. He reviewed and prepared as-built plans showing all changes from the contract plans, and prepared diaries describing the progress of the work, specific problems encountered, and all other information relative to the execution of the contract in the absence of the resident engineer.

NYSDOT Roslyn Viaduct Replacement CI - Office Engineer

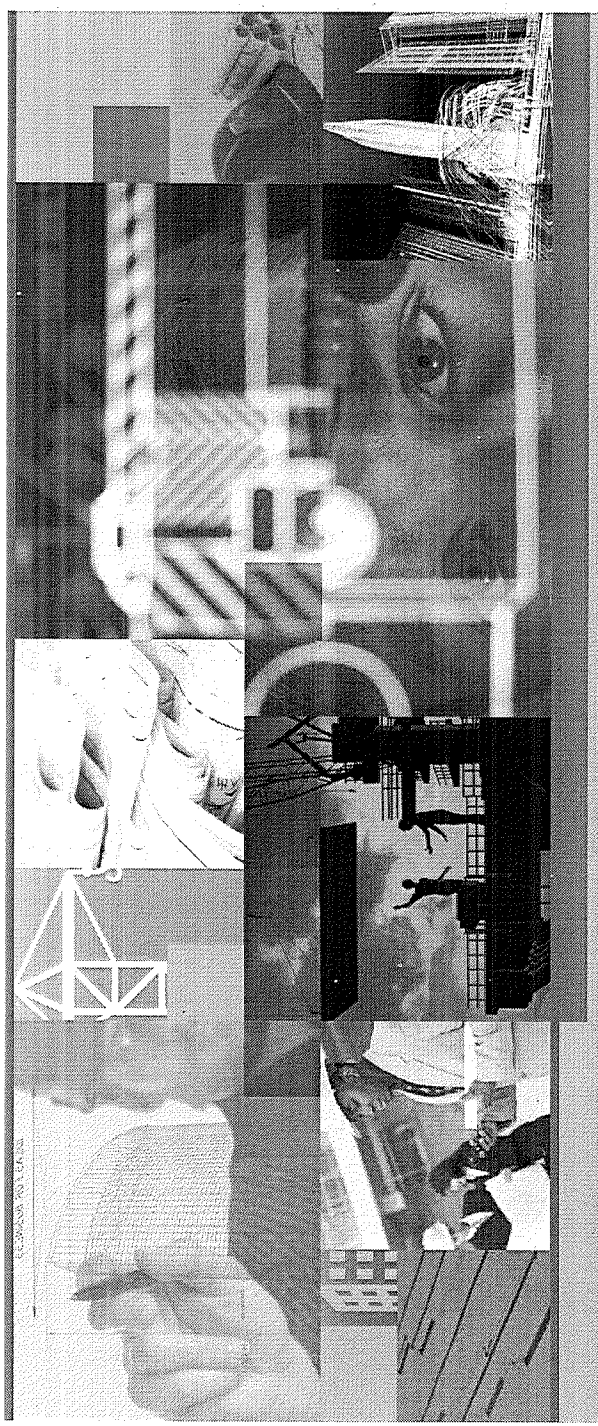
Provided office engineering for the $130 million replacement of a half-mile steel viaduct with twin precast, post-tensioned segmental concrete box girders that carries NY 25A over Roslyn Harbor in Roslyn, NY. In addition to providing all facets of office engineering, Mr. Constantino provided incident response coordination for the project. He performed project recordkeeping and processes contract payments and change orders.

NYCDOT Rockaway Boulevard Reconstruction - Office Engineer
Responsible for recordkeeping at the construction field office using MURK forms and guidelines for the $14 million reconstruction of 3.5 miles of Rockaway Boulevard in Queens. The project included widening the roadway and installing new pavements, curbs, sidewalks, street lighting, traffic signals, sewer, and water mains. Mr. Constantino checked all inspection reports for adequacy, cross referenced them with other records on file as necessary, and posted all data into the appropriate record books. He prepared the contractor's monthly pay estimates and NYCDOT payment forms, including all back-up documents. Mr. Constantino served as an inspector as needed and prepared all documents for final payment package and project completion.

NYCDOT Bedford Avenue Reconstruction - Construction Inspector/Office Engineer
Supervised and inspected the work of the contractor for compliance with the contract documents for the $15 million reconstruction of 4.5 miles of Bedford Avenue in Brooklyn, including new curbs and sidewalks, pavements and lighting, sewers, drainage, and water mains. Mr. Constantino also took samples of materials used, and recorded and reported all pertinent field data and details of the contractor's daily operations for the project. He also assisted the office engineer with project recordkeeping.

NYCDOT 39th Street Bridges over Amtrak/LIRR at Sunnyside Yard - Office Engineer
Conducted recordkeeping based on MURK guidelines from inception to completion of this $25 million reconstruction of two bridges over the Sunnyside Rail Yard in Queens, NY. The NYSDOT project involved replacing piers, superstructures, and reinforced concrete decks, as well as bridge supported utilities such as gas, electrical, water, and electric traction power catenary structures. Mr. Constantino reviewed inspection reports; prepared contractor's payments and force account payments for the contractor, Amtrak, and the LIRR; and prepared all documentations and records for the finalization of the project.

F. Rates



F. RATES

THE PORT AUTHORITY OF NY & NJ

The following hourly rates would be in effect at the start of the Agreement term (January 1, 2015) for professional personnel who will be assigned to perform any services requested.

Company Policy for Premium Pay

If a contract has a provision for differential compensation, STV will abide by the terms of the contract.

Full-time salaried employees who work more than 40 hours per week receive overtime pay at their normal rate. If an employee is classified as an non-exempt employee, they are paid at the premium rate of time-and-one-half their rate for all hours worked in excess of 40 hours worked per work week, except where state law requires over-time pay in excess of 8 hours worked per day.

Company	Name	Title	Hourly Pay Rate
STV	Gus Maimis LEED® AP BD+C	Project Director	$126.26
STV	Robert Barbera, PE	Principal-in-Charge	N/C
STV	David Cooksley,CQA	QA/QC Manager	$54.12
STV	Ken Champion	Task Leader - Airports	$138.83
STV	Sam Scozzari, PE	Task Leader - Bridges & Tunnels	$116.41
STV	Anthony Cracchiolo, PE	Task Leader - Rail Transit	$162.35
STV	Thomas Colombo	Senior Project Manager	$114.66
STV	Bruce Fox, PE	Senior Project Manager	$147.59
STV	Julie Valerio, LEED® AP	Senior Project Manager	$107.53
STV	Sassan Manii	Project Manager	$90.07
STV	Thales Savas	Project Manager	$66.61
STV	William King	Project Manager	$76.09
STV	Annette Bombarger	Assistant Project Manager	$42.91
STV	Eugene McCrohan	Assistant Project Manager	$42.63
STV	Jake Kofman	Assistant Project Manager	$48.47
STV	Deborah Addison	Assistant Project Manager	$53.01
STV	Salvatore Coladonato	Senior Superintendent	$75.00
STV	Richard St. Cyr	Superintendent	$81.15
STV	Peter Eubank	Superintendent	$60.49
STV	Robert Dries	Senior MEP Manager	$82.37
STV	Patricia Zander, PE, PMP, LEED AP BD+C	Environmental Senior Project Manager	$71.32
STV	Steven Prest, PE	Resident Engineer	$72.06
STV	Ruwan Rajapakse, PE, AVS	Resident Engineer	$60.96
STV	Ruben Ciocci, PE	Resident Engineer	$80.85
STV	Susan Wong, PE	Resident Engineer	$77.97
STV	Hemant Pereira, PE	Resident Engineer	$52.14
STV	Marco Malorano, PE	Resident Engineer	$64.63
STV	Stephanie Dreher	Assistant Resident Engineer	$37.02
STV	Michael Roncevic	Assistant Resident Engineer	$33.75
STV	Laura Tornatore	Assistant Resident Engineer	$37.02
STV	Charles Young	Senior Inspector	$55.06
STV	Jamal Ismail	Senior Inspector	$73.50
STV	Ricardo Depaoli	Senior Inspector	$59.45
STV	Zaher Saliby	Senior Inspector	$33.26

Company	Name	Title	Hourly Pay Rate
STV	Abdul Rangiwala, NICET III	Senior Inspector	$40.03
STV	Alex Shell, NICET	Senior Inspector	$36.75
STV	John Mangione, NICET II	Senior Inspector	$37.13
STV	Valter Cilka, NICET III	Senior Inspector	$39.92
STV	Lauren Griffis	Inspector	$31.52
STV	Frederique Napiorski	Senior Estimator	$80.58
STV	John Solano, CCP	MEP Estimator	$63.42
STV	Alexander Sinayuk	MEP Estimator	$61.03
STV	Nicholas Rollizo	Scheduler	$29.92
STV	Yvonne Dennis	Senior Contract Specialist	$36.86
STV	Dennis Abbate	Contract Specialist	$34.59
STV	Anthony Boyd	Contract Specialist	$34.35
STV	Davinder Kaur	Contract Specialist	$38.96
STV	Venestina Cuevas	Office Engineer	$42.18
STV	Sandeep Vaidya, NICET III	Office Engineer	$36.75
STV	Nony Constantino, NICET III	Office Engineer	$48.99
KSE	Diego Alaimo, PE	Project Manager	$75.00
KSE	George Broberg, PE, PP	Project Manager	$75.00
KSE	Harvey Moutal, PE	Project Manager	$75.00
KSE	Raymond Cholewka, PE	Resident Engineer - Structural Engineering	$66.00
KSE	Carl Ortmann, PE	Resident Engineer - Structural Engineering	$68.00
KSE	Scott Plant, PE	Resident Engineer - Structural Engineering	$66.00
KSE	Lawrence O'Rourke, PE, ASCE IV	Resident Engineer	$54.00
KSE	Attef Farag, PE	Resident Engineer - Civil Engineer	$66.00
KSE	Reynaldo Libunao, NICET	Senior Inspector - Electrical	$58.00
KSE	Kwesi Amegah	Senior Inspector	$45.00
KSE	Syed Imran Ali	Inspector	$45.00
KSE	Eugene Marciano, PE, PhD	Senior Geotechnical Engineer	$69.00
KSE	Ahmed Husain Zubair	Construction Inspector	$55.00
KSE	Zory Deresh	Construction Inspector	$50.00
KSE	Sheldon Williams	Construction Inspector - Painting and Structural	$48.00
KSE	Edward McManus, NICET I	Electrical Inspector	$38.00
KSE	Steve Mar	Electrical Inspector	$45.00
KSE	Vitality Bykov	Electrical Inspector	$45.00
KSE	Fred Koomson	Inspector - ACI Concrete Construction	$44.00
KSE	Lisa Canton	Contract Specialist	$30.00
KSE	Christine Stanton	Contract Specialist	$32.00
HIRANI	John Bert	Senior MEP Inspector	$70.00
HIRANI	Joseph Perricelli, PE	Civil Engineer	$50.24
HIRANI	Gijo Varghese, PE	Civil Engineer	$40.86
HIRANI	Leonid Sigal, NICET III	Construction Inspector	$37.00
HIRANI	Charles Butler	Construction Inspector	$49.00

Company	Name	Title	Hourly Pay Rate
JPCL	Brian Malt	Inspector - Structural Steel and Bolting	$50.00
JPCL	Earl Broockenberry	Inspector - Coatings	$50.00
JPCL	Tony Chanderjeet	Inspector - ACI Concrete Construction	$40.00
ELLANA	Rohit Ahuja	Scheduler	$51.70

G. FIRM EXPERIENCE

THE PORT AUTHORITY OF NY & NJ

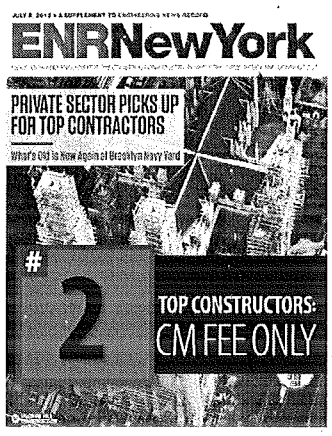
This section describes the relevant project experience of the STV team. STV has been working with PANYNJ for more than three decades and has provided a variety of services for a number of transportation projects. To augment our capabilities and meet or exceed PANYNJ's MBE/WBE goals, STV has teamed with **KS Engineers, P.C. (MBE), The Hirani Group (MBE), JPCL Engineering (DBE), and ELLANA Construction Consultants, Inc. (WBE).** The STV team is as follows:

STV Construction, Inc.

STV Construction, Inc. (STV) offers a nationwide practice in construction management (CM), including program management, owner's representative services, and project controls. The firm provides comprehensive services to assist public and private sector clients through the entire construction process—from pre-construction, through construction, to project close-out. Our mission is to create exceptional value for our clients and deliver our services with integrity, vision, innovation, quality, and environmental sensitivity.

The firm employs construction management professionals, builders, owners, and designers who have extensive hands-on technical and managerial experience — giving us a comprehensive understanding of all facets of construction, the ability to foresee issues, to develop relationships in the industry, and to negotiate resolutions quickly. We offer time- and cost-saving insights that can only be offered by those who have actually managed the construction and/or rehabilitation of facilities. Since STV's project managers, estimators, schedulers, contract administrators, and inspectors collaborate as a team, we quickly respond to clients' needs. Moreover, because STV is an employee-owned firm, all employees have a personal stake in the success of our projects and in producing high quality work.

STV advocates proactive construction management to monitor schedules, staffing, and budgets, to maintain ongoing operations of facilities during construction, and to provide timely information to owners and stakeholders. Our dedicated project controls staff remains actively involved in all phases of construction, offering cost estimating, scheduling, claims and change-order analysis, document control, value analysis, and constructability review. They use project reporting formats such as Primavera, eBuilder, and Contract Manager.



Our commitment to safety is an integral part of our corporate culture and is consistently reinforced with our staff. STV has licensed Site Safety Managers and OSHA trained instructors on staff. All of STV's field staff receive OSHA training and certification. We make sure that all contractors perform work in compliance with OSHA regulations and applicable local laws and that a safe and secure environment is maintained for the public.

STV has performed a variety of services for PANYNJ, some under on-call contracts. In addition, STV has provided CM and construction inspection services under task-order agreements with various public agencies in the NY/NJ metropolitan area. STV has become well-versed in the PANYNJ organization of client departments and their relationship to the engineering department and its various divisions; PANYNJ procedures and regulations; and the overall PANYNJ organizational structure.

STV is noted for providing flexible, focused project management and technical services that our clients depend on time and again. With resources of over 200 local project management professionals, the firm is currently managing projects with construction costs ranging from $50,000 to $2.5 billion.

KS Engineers, P.C. (MBE)

KS Engineers, P.C. (KSE), a certified MBE with offices in New York, New Jersey, Pennsylvania, and Connecticut, is a highly qualified professional engineering firm which has successfully completed work on large and small, multi-disciplinary projects throughout the region. Their work has included site improvements, renovations and additions to existing facilities and the design of new facilities and infrastructure. They also have experience conduct-

ing feasibility studies, developing cost estimates and providing construction phase services.

KSE offers comprehensive geotechnical engineering services for the construction of buildings, parking areas, pavement, and bridges. They have well established strategic partnerships with highly qualified and reputed drilling companies and testing laboratories. Their geotechnical engineering department is staffed with highly qualified professional geotechnical engineers, and technicians with more than 80 years of combined experience. This professional staff, in conjunction with drilling and material testing sub-contractors, enables KSE to provide accurate, reliable, and complete subsurface evaluations and recommendations.

KSE also provides a full range of professional site/civil engineering and design services that are customized to be compatible, environmentally sensitive, economically feasible and community focused in meeting clients' needs and objectives. They work collaboratively with state, county, local, and federal, clients to provide the best possible solutions to design challenges they may encounter in the design of buildings, public parks, state, county and municipal roadways, streets and inner-city networks, toll roads, interchanges, highways and park and rides.

From concept development and preliminary engineering to final design and construction support, KSE has the knowledge, skill, and experience to deliver high quality, sustainable engineering solutions. They have a staff of nearly 200 full-time employees, including 35 licensed structural/civil engineers, 35 full-time design professionals, more than 20 support engineers and surveyors, over 80 construction inspectors of various levels, four licensed land surveyors, four survey crews, eight LEED accredited professionals, and a landscape architect.

Port Authority Experience

KSE has a longstanding working relationship with the PANYNJ. The firm is intimately familiar with PANYNJ's design and CAD standards. Their key design staff is well known to PANYNJ's engineering staff for their ability to think and to provide innovative and cost-effective solutions. Aside from various project-specific contracts, KSE has several previous and currently active Prime Call-In Agreements with PANYNJ for the following disciplines:

- Call-In Civil Engineering Services
- Call-In Traffic Engineering Services
- Call-In Survey and Mapping Services
- Call-In Structural Engineering Services
- Call-In Condition Inspection Services
- Call-In Construction Management Services

The Hirani Group (MBE)

Hirani Engineering & Land Surveying, P.C., based in Jericho, New York, was formed in 1991. The company provides civil and structural engineering, land surveying, construction inspection/management, site safety and special inspection services. Hirani continues to strengthen its presence in the New York Metropolitan area. Hirani has been successful in building an excellent reputation of professional service and experience with all of our clients. They place great emphasis on client communication, quality, meeting project deadlines, and innovative problem solving. The firm is a certified Disadvantaged/Minority Business Enterprise.

Hirani's total staff is 75 personnel including:

- 12 Land Surveyors
- 4 CAD Drafter
- 3 Civil Engineers
- 2 Office Engineers
- 16 Construction Inspectors
- 1 Resident Engineer
- 6 Construction Manager
- 4 Safety/Occupational Health Engineer
- 2 Electrical Engineers
- 6 Structural Engineers

Construction Inspection and Construction Management Services

Hirani has a highly experienced staff of NICET and NACE certified inspectors. They also have inspectors who are certified for lead abatement and asbestos handling. Hirani's inspectors ensure that contractors adhere to specifications, building codes, and quality standards. The focus of the construction inspection services is the completion of construction projects on time, within budget and in compliance with the contract documents. Construction Inspection/Management services include:

- Cost estimating and scheduling
- Reviewing plans and specifications for compliance
- Conducting controlled inspections for fire stopping
- Building department expediting and filings
- Change order requests and analyzing contractor claims

Structural/Civil Design Services

Hirani has highly qualified, licensed and experienced civil and structural engineers with project specific experience in design of buildings, roadways, bridges, tunnels, and site development work.

STRUCTURAL/DESIGN SERVICES INCLUDE BUT NOT LIMITED TO:

- Building design
- Pre-stressed concrete design
- Concrete design
- Highway and roadway design
- Steel design
- Traffic studies & analysis
- Site/civil design
- Geo-technical analysis

Port Authority Experience

Hirani holds a prime consulting contract (No,. 410-07-027 to perform on call construction surveying services and presently has a full time survey crew working on the World Trade Center site. Assignments have included the provision of continuous 24 hour a day readings during pile compaction testing, utilizing a party chief and instrument person working with Port Authority personnel.

Presently at the site, the crews are providing surveys for three dimensional as-built locations of the infrastructure and utilities, checking construction layout for new tower construction, and monitoring with fixed prisms.

Under this contract, additional survey has also been performed at LaGuardia Airport and Newark Airport, for three dimensional as-built location of infrastructure and utilities.

ON CALL CONSTRUCTION / CONSULTING LAND SURVEYING SERVICE ASSIGNMENTS

1. LaGuardia (LGA): Two person field crew providing three dimensional as- built location of infrastructure and utilities.
2. World Trade Center: Provided continuous monitoring 24 hours a day during pile complexion testing, HE&LS provided a Crew Chief and Instrument Person to work alongside PANYNJ personnel.
3. Newark Airport: HE&LS provided CAD supervisor for three dimensional mapping of infrastructure and utilities.
4. World Trade Center: Providing 2-person field crew for monitoring, inspection, and construction lay-out.
5. JFK Airport: Setting Control Baseline, Lay-out of new Center Line, Runway Light configuration and striping.

JPCL Engineering (DBE)

JPCL Engineering is a multi-disciplined professional engineering firm that provides civil and transportation engineering, special inspections, green building design, and materials supply and testing services to private clients, public agencies, design firms, construction managers and general contractors. The JPCL team consists of professional engineers, certified inspectors, lab technicians, and LEED accredited professionals.

JPCL has an accomplished Special Inspections Unit that provides a timely response to meet the client's schedules and budget. With strict adherence to the Quality Management Systems for both the Special Inspection Agency and the Materials Testing Laboratory, the company is committed to protecting the clients' interests and assets through Quality Assurance/Quality Control procedures. The company has adequate resources and technical staff to undertake projects of any size.

JPCL Engineering is a woman owned small business, certified as an M/WBE/DBE/SBE in the states of New York, New Jersey, Pennsylvania, and Washington D.C.

CEO and Founder Asma Hashmi P.E., is a registered professional engineer in the states of New York, New Jersey and Pennsylvania with over 20 years

of experience, working for private developers, and state and local government agencies including New York City Department of Transportation, New York City School Construction Authority, and New Jersey Department of Transportation.

The JPCL team consists of Professional Engineers, Certified Inspectors, Lab Technicians, and LEED Accredited Professionals. Most of the inspectors have multiple certifications to carry out inspection work in more than one area. For example, ACI Level I certified inspectors also possess ICC certifications to carry out masonry and fire proofing inspections. Similarly, CWIs also possess additional certifications and experience in conducting NDT testing and coating inspections. The laboratory technicians possess required ACI certifications in both field and strength testing.

Port Authority Experience

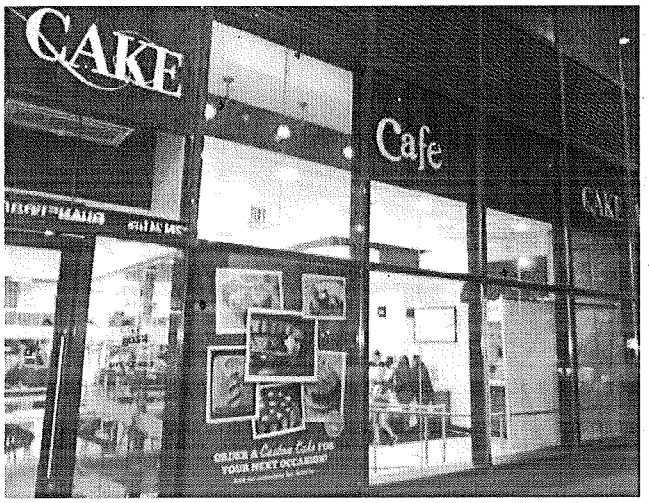
Cake Boss Café was constructed in the Port Authority Bus Terminal and it is one of the newest locations in New York City. JPCL was retained as a Prime Inspection Agency to provide the inspection services including structural steel and NDT, MEP, concrete, sprayed fire proofing and water portability tests.

JPCL also provided related project management services, onsite supervision, project coordination with EOR, Client & GC and attended technical meetings. JPCL also reviewed the reports, drawings and other construction submittals.

ELLANA Construction Consultants, Inc. (WBE)

Incorporated in 1998, ELLANA, Inc. is a certified Woman-owned Business Enterprise (WBE) and Disadvantaged Business Enterprise (DBE) construction consultant firm that provides four core services consisting of cost management, project controls, owner representation and professional training services to a wide range of A/E/C industry clients. They are also a certified WBE through the Woman's Business Enterprise National Council (WBENC).

With offices in New York, New Jersey, Pennsylvania, and Massachusetts, they can service the PANYNJ locally. Their staff includes architects, engineers and construction experts poised to provide quality cost estimating, scheduling, administration and project cost control services at all stages of design and construction.



Cost Management

Cost certainty and control are essential for any construction project. Their approach to cost management involves safeguarding clients' interests at every stage of the design, procurement and construction process by focusing their efforts on achieving the best results for the project.

As part of the cost management process, they work with the team to first identify, then address any risks or issues that arise, ultimately providing solutions to any discrepancies or conflicts that arise. Their cost management services include:

- Construction cost estimating
- Value engineering exercises
- Constructability reviews
- Project schedule development
- Feasibility studies
- Work breakdown structure development
- Budget allocation and asset management
- Cost forecasting / trending
- Early warnings / mitigation
- Cash flow / accruals / value of work completed
- Contingency management
- Monitoring of commitments and expenditures
- Project forecasting and reporting
- Independent reporting to project or finance partners
- Reconciliation / integration with financial reporting

Project Schedule Evaluation

The project schedule is the backbone of the construction management effort. It is the framework for measuring performance against plan; a means for optimizing project sequence before labor, materials

and facilities are committed; and a means for developing effective workarounds to address unforeseen events. The project schedule identifies milestones that include, but are not limited to:

- Approval period for the owner and the design team
- Regulatory agency approvals and permits
- Bid/award activities
- Key information deliverable dates from all consultants and how each matrix item interfaces with each other and the entire schedule
- Mock-ups to determine detailing and QC
- Long lead item procurement
- Protection plan
- Construction activities
- TCOs and CO milestones
- Punchlist activities

They will work with STV to see that the construction schedule is updated regularly, and the overall construction schedule is updated on a weekly basis as it relates to the evolving master schedule. They can also devise the schedule to incorporate a phased certificate of occupancy program n the most expeditious time possible and in the most cost effective timeframe.

Construction Schedule Monitoring

The comprehensive CPM master schedule, prepared during the design phase, will serve as the program's controlling document. This baseline schedule links all project activities and identifies tasks, responsibilities, and milestones for major actions for each project participant. Trade contractors will develop detailed CPM schedules in compliance with the master schedule. These schedules will reflect the trade contractors' means and methods for accomplishing the work. Working closely with STV, ELLANA will review and analyze the schedules for completeness, logic and reasonability. The trade contractors' schedules will serve as the contract baseline by which trade contractor progress will be measured and tracked. They will continually review and monitor actual progress and resource usage, and record it against planned logic, sequencing, as well as quantities installed to identify deviations from the approved schedule.

Port Authority Experience

ELLANA provided CPM scheduling services, cost estimating services, and initial planning, design development, and construction-document cost estimating services to the PANYNJ in recent years. Their project experience includes:

- JFK International Airport - Redevelopment of JetBlue Terminal
- LaGuardia Airport - Master Plan / Modernization
- Logan International Airport - On-Call Services, Improvement Projects
- Hurricane Sandy Damage Assessment of Port Authority Facilities
- PANYNJ Architectural Services Call-In for 2007-2010
- World Trade Center, Tower One
- Port Authority of New York & New Jersey Headquarters
- WTC Public Safety Radio Room
- World Trade Center Final Streets & Surfaces
- Port Authority Bus Terminal - South Wing Physical Assessment
- WTC Vehicle Security Center & Tour Bus Parking Facility

STV's Relevant Experience

STV's relevant experience includes a long history of providing construction management (CM), engineering, and architectural services to the PANYNJ for over 100 projects, including the One World Trade Center and National September 11 Memorial & Museum, Moynihan Station Phase I CM, JFK AirTrain Light Rail Airport Access System, and the GWB Bus Station Redevelopment Program. The following projects showcase STV's successful completion of CM services similar to those required for this on-call contract within the past three years.

PANYNJ IQC for Federally Funded Hurricane Sandy Projects

REFERENCE: Antonino (Tony) Marino, P.E., LEED AP
Assistant Chief Mechanical Engineer
Engineering/Architecture Design Division
(973) 565-7628

PANYNJ operates and maintains tunnels, bridges, and rail lines in a 1,500-square-mile area in the two states. Many of these facilities were devastated by Hurricane Sandy and half of that damage was inflicted on the PATH commuter rail system. To repair and protect the commuter rail line in future superstorms, PANYNJ launched a $3 billion resiliency program and selected STV as one of a select group of consultants to carry out the work, on an as-needed basis, under an indefinite quantity contract (IQC). The firm is providing project management, electrical/electronics, architectural, structural, civil, geotechnical, environmental, traffic, HVAC, plumbing, and fire protection expertise to address a wide range of vulnerabilities in maintenance yards, passenger stations, substations, other parts of the rail infrastructure.

STV and its team have prepared a Stage I study for 11 PATH projects to assist PANYNJ in the completion of Tier 3 grant applications through the FTA under the Public Transportation Emergency Relief Program and the Disaster Relief Appropriations Act of 2013. For each project, the team compared existing site locations to those designated by the current FEMA Flood Insurance Rate Maps (FIRM) released in December 2013. Each location falls within "Zone AE," which represents the 100-year flood with a base flood elevation (BFE) of +11 feet (NAVD88). STV compared existing elevations to the FEMA Flood Insurance Study (FIS), which indicated stillwater elevations for the 10-, 50-, 100-, and 500-year floods. The stillwater elevations from the transect data were used to develop the elevation vs. frequency curve in order to more closely represent the predicted flood elevations for each particular location. STV established design criteria to protect against storm surges of BFE + 2.5 feet and BFE + 4.0 feet.

PANYNJ One World Trade Center & National September 11 Memorial & Museum

REFERENCE: Alan Reiss, Director, WTC Construction, (212) 435-5530

STV has served as program manager and owners representative on behalf of the PANYNJ for construction of the National September 11 Memorial & Museum at the World Trade Center and One World Trade Center in lower Manhattan. The firm is holding walkthroughs with the subcontractors to confirm completion of the work, helping to control costs, and tracking a general conditions budget and breakdown on a monthly basis. One World Trade Center will include 3 million sf of office space on 71 office floors and has a goal of LEED® certification to the Gold level. The Memorial, which opened on September 11, 2011, is set within the footprint of the original Twin Towers and consists of two massive voids with waterfalls cascading down their inner walls. A state-of-the-art museum will complement the memorial.

PANYNJ On-Call Security Capital Program

REFERENCE: Pasquale Buzzelli, Project Manager, (201) 595-4569

STV is providing architectural and engineering services related to the security of various PANYNJ facili-

ties. Tasks include design for a new closed circuit television system for three bridges between Staten Island, NY, and New Jersey; plans for the relocation of an operations control center in the Port Authority Bus Terminal; and security design for a baggage area surveillance system at Newark Liberty International Airport and JFK International Airport.

NYCT Indefinite Quantity Architectural/Engineering Design and Construction Management Consultant Services Contract CM-1261

REFERENCE: Stephen J. Rogers, Director of Consultant Services, On-Call Projects, Capital Program Management, (646) 252-3553

As the largest public transportation agency in North America, New York City Transit (NYCT) is constantly designing and implementing projects to improve service and upgrade facilities. From installation of new mechanical and electrical systems to station reconstruction and studies of renewable energy, a wide range of projects are completed each year.

STV, as part of a joint venture team (JV), provided architectural, engineering, and cost estimating services to NYCT on a task-order basis to improve existing facilities, plan for future work, and develop station components. Tasks included preliminary design for the reconstruction of the 30,000-sf Cortlandt Street subway station, which was devastated in the September 11, 2001 attacks; survey of the cooling and electric power distribution systems at the Rail Control Center and Power Control Centers in Manhattan as well as the facility at Livingston Plaza, in Brooklyn; and design of new fire protection systems for three bus depots.

Delta JFK Terminal Redevelopment Program Phase I

REFERENCE: Ryan Marzullo, Program Director, JFK International Airport, Phase II, (718) 490-5905

Delta Air Lines is relocating international operations at JFK International Airport, in Queens, NY, from Terminal 3 to Terminal 4. For this $1.4 billion redevelopment program, STV is overseeing multiple construction management and general contractor teams completing landside and airside improvements during multiple phases, as part of a joint venture. For Phase I, the firm received a 2014 American Council of Engineering Companies of New York Diamond Award in the transportation category. The firm acted as the master construction manager for the renovation of Terminal 4. This included multiple headhouse expansions, a 540,000-sf gate extension, taxi-lane and apron paving, utility infrastructure improvements, and environmental remediation. STV is now performing as owner's representative for the demolition of Terminal 3 and the addition of aircraft parking space, and as construction manager for a second gate extension and associated site work, all being performed during Phase II.

MSDC/PANYNJ Moynihan Station Phase I CM

REFERENCE: Bruno Signorelli, (212) 435-4433

STV, in a joint venture, is providing CM services for Phase I of the development of a new train hall in the James Farley Post Office Building in Midtown Manhattan, with connections to Pennsylvania Station and Amtrak, NJ TRANSIT, LIRR, and New York City Transit service. This major transportation hub is being built in two phases by the Moynihan Station Development Corporation (MSDC), in partnership with PANYNJ. STV is managing the construction of entrances to Penn Station from the Farley Building and new vertical access points to the platforms, thereby improving passenger access to the west side of platforms for all railroads. The firm is also supervising improvements to pedestrian concourses and platform ventilation, and the creation of a waiting room for LIRR passengers. STV is providing contract design review, construction supervision and inspection, quality assurance, and project controls, as well as assisting in coordinating the complex staging among three railroads.

NYSDOT Reconstruction of Route 9A & Lower Manhattan Streets

REFERENCE: Joseph Brown, Project Director, 9A, (718) 482-4526

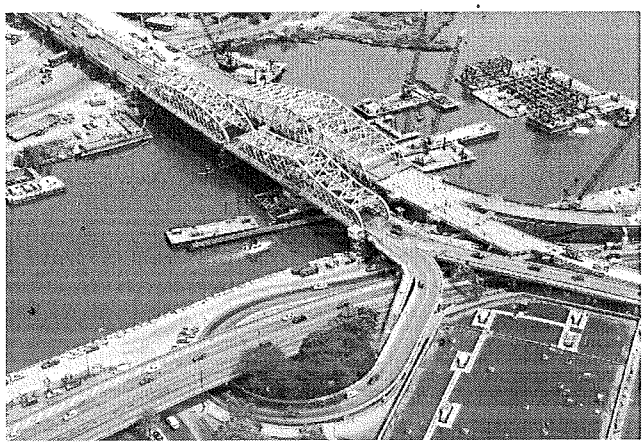
In a joint venture, STV is providing full-service construction management to NYSDOT for the $350 million reconstruction of Route 9A (West Street), a major artery in Lower Manhattan that was damaged in the September 11th terrorist attacks. The scope of work is to reconstruct West Street from Battery Park to Chambers Street, rebuild utility infrastructure, improve pedestrian circulation, and streamline construction of adjacent WTC projects. Also included is the construction of a promenade from West Thames Street to Battery Park and restoration of Battery Park City's West Thames Park.

The firm is managing roadway reconstruction, which includes realignment and raising the highway grade by as much as seven feet. STV is also providing construction management and oversight for New York City projects let under the Lower Manhattan Recovery Plan. The work involves reconstruction of nearly 100 local streets south of Canal Street that were damaged in the attacks and the subsequent recovery operations.

NYCDOT Willis Avenue Bridge Reconstruction REI

REFERENCE: Rahul Shah, Director, Movable Bridges, (212) 839-4145

STV, in joint venture, provided resident engineering and inspection (REI) services for NYCDOT during the replacement of the Willis Avenue Bridge linking Manhattan and the Bronx. This $640 million effort involved replacing the 110-year old bridge with an 11-span swing bridge immediately to the south, and, constructing new ramps and interchanges. Constructed offsite and floated into place, the new Willis Avenue Bridge features a composite reinforced concrete deck, concrete barriers, steel-rolled sections, steel-welded girders, and transverse steel box girders. The project also involved replacing a separate, 2-span continuous steel-stringer bridge over the Major Deegan Expressway with a 4-span,



400-foot-long, continuous curved girder bridge. Our other responsibilities included critical path method scheduling and geotechnical and environmental engineering. Environmental oversight was a significant component, given the need to prevent contaminated soils, water, and construction materials from entering the Harlem River, which the New York State Department of Environmental Conservation rated as pristine. STV's environmental scientists worked closely with the NYCDOT Environmental Quality Assurance manager to inspect construction operations for compliance with environmental regulations and permits, including waste management provisions, the stormwater pollution and prevention plan, and state pollutant discharge elimination system.

NYCDCAS Construction Management Services

REFERENCE: Jesus Coombs, RA, Deputy Director, Construction, (212) 669-3215

STV is providing construction management services on a series of projects for the New York City Department of Citywide Administrative Services (NYCDCAS) under a 2-year task-order contract. The projects consist of complex interior renovations, exterior rehabilitations, exterior site work, and building system modernizations in occupied buildings throughout all five boroughs of New York City. STV is providing services for the inspection, management, coordination, and administration of the projects, from construction commencement through completion, final acceptance, and project close-out.

H. MANAGEMENT APPROACH

THE PORT AUTHORITY OF NY & NJ

Project Understanding

This consultant services contract involves the performance of Expert Professional Construction Management and Inspection Services as requested on a call-in basis during calendar years 2015 through 2018. Under authorized task orders issued by the PANYNJ for assignment of professional staff on an individual or team basis, the required services will include responsibility for managing the following activities, from design development (Stage II), contract preparation (Stage III), and construction phase (Stage IV) through completion.

Tasks our team's personnel may be requested to provide include constructability/biddability and general engineering review, construction staging, schedule development and monitoring, quality assurance inspection, contract administration, cost engineering and estimating services, and deployment of additional resources to support PANYNJ as required.

For each assignment, STV will look to provide the appropriate level of reporting regarding our personnel's performance relative to their specific assignments. STV will implement proven operating procedures with which we can manage a multitude of small or large task assignments simultaneously. We have demonstrated this capability on numerous call-in contracts in the past for such clients as:

- Port Authority of New York and New Jersey
- New Jersey Transit
- New York City Transit
- Metro-North Railroad
- Long Island Rail Road
- NYC Department of Transportation
- NYC Economic Development Corporation
- NYC Department of Design and Construction
- NYC School Construction Authority
- NYC Department of Citywide Administrative Services
- US Army Corps of Engineers
- US Postal Service

Currently, a major segment of STV's work consists of call-in assignments under general engineering consultant and construction management contracts; accordingly, we have developed proven methodologies for work of this type. As an experienced call-in consultant for local public agencies, STV recognizes that there is no such thing as a "minor" task; all tasks — no matter how large or small — play a significant part in the daily operation of public facilities. We pride ourselves on our ability to mobilize our resources quickly and address all task assignments successfully.

Key Challenges

STV recognizes that, to meet the PANYNJ's goals, the following key challenges must be addressed as expeditiously as possible.

- **Augmenting the PANYNJ's staff, thus increasing the PANYNJ's reach and ability to meet its schedules:** STV has made available a team of CM, inspection, contract administration and project controls professionals, from its New York and New Jersey offices, ready for immediate assignment to the PANYNJ. These individuals will be selected based on their experience and trade discipline background, in response to PANYNJ's task requests, and upon PANYNJ acceptance will receive orientation and training from the Project Director and his senior PM staff prior to their assignment.

- **Handling a diverse range of projects, thus providing the range of services needed to meet the needs of different lines of business:** Our CM and Inspection personnel possess a wide range of technical backgrounds. Complementing these skills, those individuals also have extensive experience in managing the non-technical, programmatic and business elements of successful projects, dealing with both internal and external interfaces. These responsibilities, for both public and private clients, relate to transportation and building facilities, over the entire spectrum of the PANYNJ's regional mission.

- **Handling multiple projects simultaneously, freeing the PANYNJ from the administrative burden of managing more than one consultant:** STV has formed a team of Senior Project Managers and Project Managers, with the necessary administrative, managerial, and supervisory skills, to handle and

track multiple projects simultaneously, involving different consultants and multidisciplinary trades. To accomplish this most efficiently, and to deliver the quality of deliverable that is expected, these individuals must have the experience working in dynamic professional environments, be proficient in the most recent engineering management systems, and be able to lead teams of diverse architectural/ engineering functional staff. Our proposed project managers possess those qualities and will be supported when needed, with experienced project management control systems, provided by both STV and its M/W/DBE subconsultants.

An alternate approach to handling multiple projects is to set up a complete project team, led by an STV Senior Project Manager, and compromised of several STV resources, to manage a number of projects of similar type, program or Port facility. Under this arrangement, the STV "squad" would report to the PANYNJ, and could be located either in Port facility or STV New York or New Jersey offices.

- **Complying with PANYNJ Policies and Procedures, eliminating the need for the PANYNJ to adjust to different management styles:** It is the intent of STV to assign Project Managers who, through prior PANYNJ employment or experience, and for orientation by our Project Director, Gus Maimis, and his senior project management staff, are familiar with the PANYNJ's capital authorization process; reporting structure; management style; policies and procedures; quality standards; and work ethic.

The PANYNJ must have absolute confidence in the managerial and technical talent of its call-in consultants. The STV team has the depth and breadth of resources to respond to any request for service, a clearly predefined and field-tested management plan, and strong management capabilities to keep all project activities on track.

A call-in contract differs from a standard construction program in that the consultant needs to react quickly to the PANYNJ's specific request for services, and be able to be responsive to the widely varying needs and concerns that arise. Therefore, the program must be managed and staffed by seasoned personnel who are experienced with PANYNJ standards and operations. Project work will often be performed in a condensed time period and a project learning curve will be virtually nonexistent. Work may include the provision of a wide variety of CM and inspection professional support professionals on projects ranging in value.

Management Approach

Organizational Structure

The team on this assignment is led by STV's highly seasoned professionals, all with experience serving PANYNJ. This team is also complemented by hand-picked subconsultants with specific PANYNJ expertise relevant to the lines of business this contract is meant to serve.

Management Plan

STV has developed a proven plan to manage call-in contracts for task services. This approach is based on STV's experience working with many different programs and agencies. Our management approach is geared toward rapid response to task proposals, assignment of the correct staff, and project execution through adherence to a management plan and work plan drafted specifically for each assignment and geared to understand and represent the best interests of the lines of businesses for which this contract may be used. In addition, this structure incorporates a total quality approach to the provision of our services, such that the senior level leaders are active participants in the development and execution of the Quality Assurance/Quality Control (QA/QC) plan for the contract.

Objectives

Successful project execution depends on planning and communication, in addition to sound management and engineering principles and practices. In conformance with PANYNJ's Quality Assurance Division, our management plan has been specifically developed for successful completion of the tasks using the best construction managers for each specific assignment. The objectives of our management approach are to:

- Allocate necessary resources in a timely manner and secure on-time task completion

- Define all project goals and work towards those goals on the PANYNJ's behalf at all times
- Satisfy technical requirements of each task
- Comply with budgetary limits and invoicing requirements
- Comply with PANYNJ and STV quality standards
- Monitor contractors' enforcement of safety regulations
- Communicate and report regularly to PANYNJ regarding key project issues

The team's management approach will provide the PANYNJ with effective and timely solutions to whatever project challenges that may arise in any of the PANYNJ's lines of business. This will be accomplished by appropriate technical specialists who have a thorough understanding of the tasks required, working under experienced task managers and project leaders and the team's Project Director, Gus Maimis. Mr. Maimis is a Vice President at STV and previously served as the Project Executive at the World Trade Center (WTC) site on the National September 11 Memorial & Museum project. He brings to this assignment over 30 years of experience in the construction industry. As principal of his own CM firm for over 10 years, he provided executive direction for large-scale projects throughout the New York metropolitan area. Mr. Maimis played an instrumental oversight role for STV's program management team on the National September 11 Memorial & Museum. Through his involvement with the WTC site reconstruction, he has become fully versed in PANYNJ policies, procedures, quality assurance requirements, and the specific security requirements of the site.

Supporting Mr. Maimis will be a team of highly experienced practice leaders, all senior managers with experience to identify the best resources in the lines of business where resources may be deployed for this assignment.

Coordination with Outside Agencies & Organizations

The STV team will manage and coordinate all project activities among the designer, contractor, adjacent stakeholders, utility companies, and various public agencies, as deemed appropriate by the PANYNJ. STV will develop a responsibility matrix specific to each task to enhance accountability for required actions and their due dates. In addition, our team will work on the specific business line's behalf and interface with the PANYNJ's Quality Assurance Division, CM Division, and all other departmental project stakeholders.

Managing our Subconsultants

STV recognizes PANYNJ's need to have a "call-in" consultant with the greatest possible depth and breadth of engineering capability at its disposal so that resources are always available to respond to the PANYNJ's project requirements in a timely manner. To meet this need, STV has carefully selected a team of specialty subconsultants, including M/W/DBE firms, to assist us in providing specialized services. The subconsultants who will augment our team are **KS Engineers, P.C. (MBE), The Hirani Group (MBE), JPCL Engineering (DBE), and ELLANA Construction Consultants, Inc. (WBE).**

Task Management

Upon receiving a task from the PANYNJ, Mr. Maimis will assess and coordinate the assignment with the appropriate practice leader and subconsultants, and will begin the planning and scheduling activities and allocate the necessary professionals to effectively complete the task assigned.

THE FOLLOWING QUESTIONS WILL BE ADDRESSED:

- What is the work to be done?
- When is this work to be done?

- How much will the execution of the work cost?
- Who will perform the work?

Project Definition

Upon receiving a task assignment, the Project Director will define the project's requirements and the methodology to be used during each task and activity. We recognize that particular assignments will vary in terms of complexity, duration, and types of resources required.

Project Staff Selection

We will select the appropriate staff from our large pool of qualified individuals. The project team members will be selected based on the following criteria:

- Their technical skills and expertise
- Their familiarity with the project issues involved
- Their availability at the time of the assignment

Managing Multiple Projects

We are aware that this contract will require managing multiple tasks simultaneously. The STV team offers the breadth and depth of staff resources to manage and execute multiple and diverse assignments concurrently. Our project management procedures, work flows, business processes and on-line communications capability facilitate the close coordination needed to manage multiple assignments effectively and enable integration of multiple projects information into a single repository that can be monitored and reported upon in various levels of reporting metrics. Mr. Maimis and the PANYNJ will have full access to live reports on work completed with a comparison to work planned for all project assignments to maintain cost and schedule control, anticipate problems before they arise, and take corrective action when necessary. This management information will also be compiled and submitted to the PANYNJ periodically to demonstrate each task order's performance metrics along with our analyses of these metrics.

Technical Approach

For each specific assignment, the work plan will directly correlate with the programmatic and/or project needs of the PANYNJ's business line and all project goals. Our professionals will work alongside the PANYNJ and fill the areas of expertise requested to accomplish the goals at hand.

The STV team has developed a general approach to project management and owner's representative services, inclusive of keeping the PANYNJ apprised of project status, maintaining service delivery, and assuring the quality of work. Understanding the nature of a call-in contract, we will modify the approach according to the complexity and duration of each task to which we are assigned.

Communication & Reporting Requirements & Implementation

Communication for any call-in contract requires a multi-pronged approach. STV will identify the level and frequency of communication throughout the life of the assignment with all PANYNJ and project-related stakeholders in the project management plan. In addition, the STV team will constantly communicate and report to the PANYNJ the progress of all assignments. We will also provide full access to all live project records through the Integrated Project Management Platform. This communication will include STV's monthly report, weekly or biweekly meetings, invoicing, contract documents, cost management reports, scheduling reports, change orders, RFI's, shop drawings/submittals through status of close-out documentation.

Integrated Project Management Platform (IPMP)

Under this assignment, STV will implement a document control system, which will track, report, and control all project documents as well as maintain all related records and documents. This system will track all "ball-in-court" actions required by all parties to confirm timely resolution to any issues that may arise and can impede the progress of the project. This system will also be customized to address PANYNJ Security Protocol requirements for restricting access as directed by the PANYNJ.

The STV team will use a web-based integrated project management platform (IPMP) to support the management and control of the project scope, cost, schedule, quality, and safety. STV's preferred

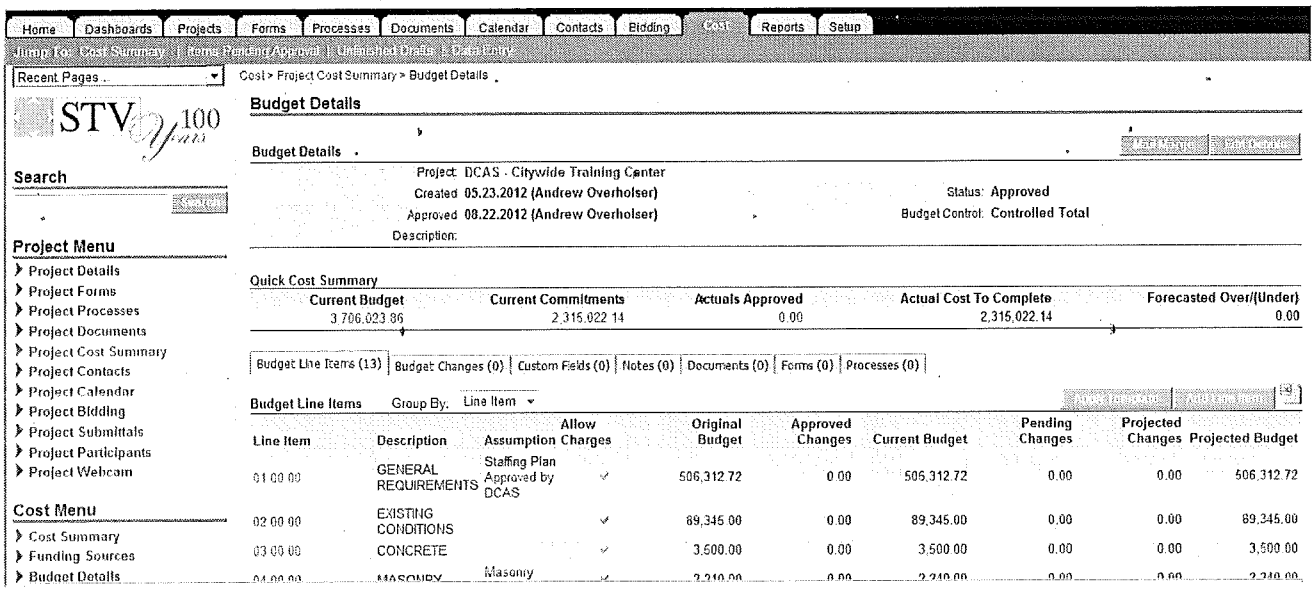


Figure 1: Screenshot of STV's IPMP Cost Module

(IPMP) system is eBuilder®. This platform is accessible from any device with an internet connection, thus allowing access to as many stakeholders as needed, as determined by the PANYNJ at the very beginning of the project. This capability allows the entire team to be engaged in the project and allows instant access to the project information, logs, and reports. The IPMP includes several modules: Cost, Forms, Processes, Reports, Bidding, Calendar, and Contacts. The integrated modules support all project processes such as submittals, RFIs, design reviews, change order management, cost control, daily reports and safety reports throughout the project lifecycle. It also provides the ability to manage meetings and document meeting minutes. In addition, **STV staff members are experts with various other systems including Wintrak**, and if required, any of these systems can be implemented and adopted immediately. STV is willing to adapt to any new technology that can assist in the successful delivery of the project.

Cost Management & Control

The PANYNJ, Project Director, and Senior Project Managers will have access to the cost module, where the budgets, commitments, invoices, and payments are documented. This allows the management team to oversee and track the progress of each phase and confirm that the budget is not exceeded and is also trending to remain within the project budget through its completion.

Change Order Management

The change order process is configured in the IPMP according to the specific flow processes as determined by the PANYNJ's contract requirements. It includes:

- The project members required to initiate, review, approve, and respond to all post award contract changes
- The workflow and the data required at each step of the process
- An audit trail for all data entry
- Web-based documentation of all data entered
- Integration with budget, commitments and payment information.

The IPMP tracks pending, projected, and approved post award contract changes providing an optimum financial control over the project budget including the ability to report at the various levels of details for each project.

Submittals and Shop Drawings Management

The submittals module is preconfigured in the IPMP; STV will configure this module to support PANYNJ's process and user permissions. It includes an import-export capability to integrate with MS Excel to facilitate information input if needed. It

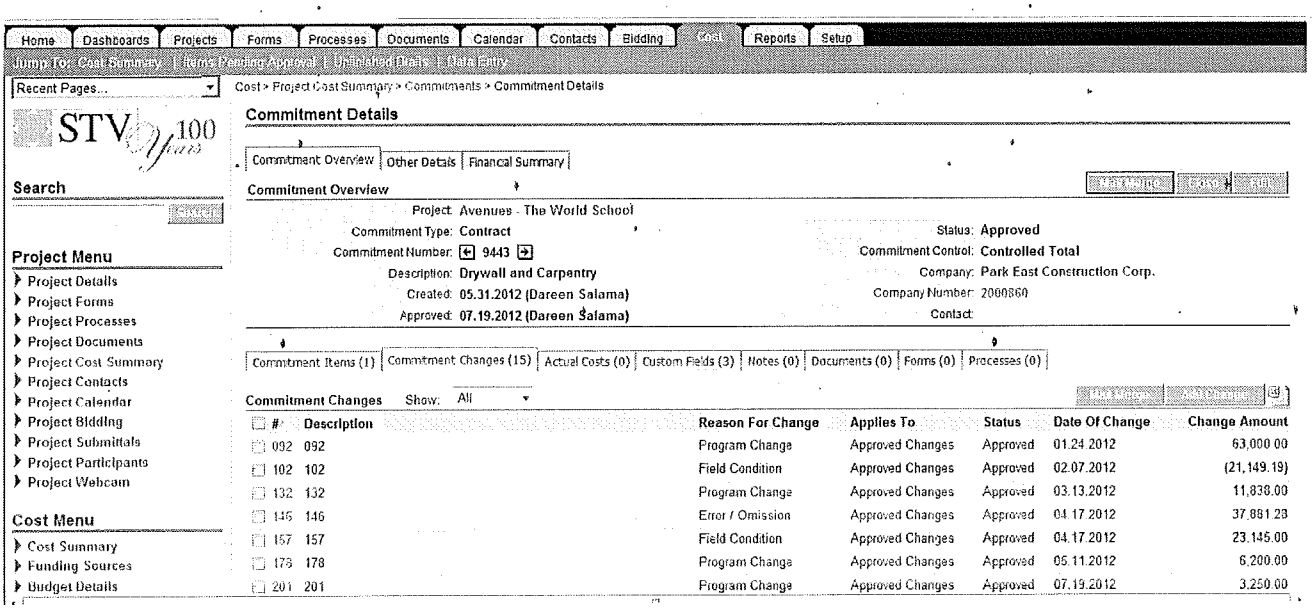


Figure 2: Screenshot Commitment Changes for a Project

allows users to upload, send, comment, review, redline, and approve submittals seamlessly on the web-based platform. It provides a paperless and efficient method of managing submittals.

THE IPMP SUPPORTS THE STV PROJECT TEAM IN:

- Maintaining a submittal log to record and track all submittals
- Reviewing submittals and distributing them to required parties
- Documenting every step of the submittal review process
- Seamlessly producing reports and submittal logs
- Verifying that submittals are being received, reviewed, and returned in a timely manner to meet schedule requirements

The STV team will work with the design team to develop a submittal register as an outline for all the required submittals on a given project or task. STV will require the contractors to provide their projections as to when these submittals will be issued. These projections will be reviewed in conjunction with the requirements of the project schedule to provide adequate time for the submittals review and any possible resubmittals and subsequent reviews. In addition, the STV team will manage the submittal process to assure that the contractors are responsive to the A/E's requirements and review comments as well as to assure that the review comments from the design team are reasonable so as not to have any negative impact on the project delivery.

Process Management & Control

The process module provides the capabilities to configure custom processes specific to accommodate a specific procedure and workflow. A structured workflow will be created and tailored for the PANYNJ for any process such as document review, request for information, change order approval, and invoice approval. This is a paperless and fast solution, where a project user would upload the documents to the cloud, and the required party can review and comment electronically. The integrated platform is easily accessible from any remote location with internet connection available, which creates real-time communication. It facilitates the documentation by providing web-based document storage capabilities. It assures accountability by providing an audit trail of the users and dates of uploading, downloading, and commenting on any design document. An example processes that STV is currently using is the RFI process.

Requests for Information

The process module includes template RFI workflows currently used by STV (example above), and also provides the capabilities to configure custom RFI processes to accommodate a specific workflow at different stages of the project.

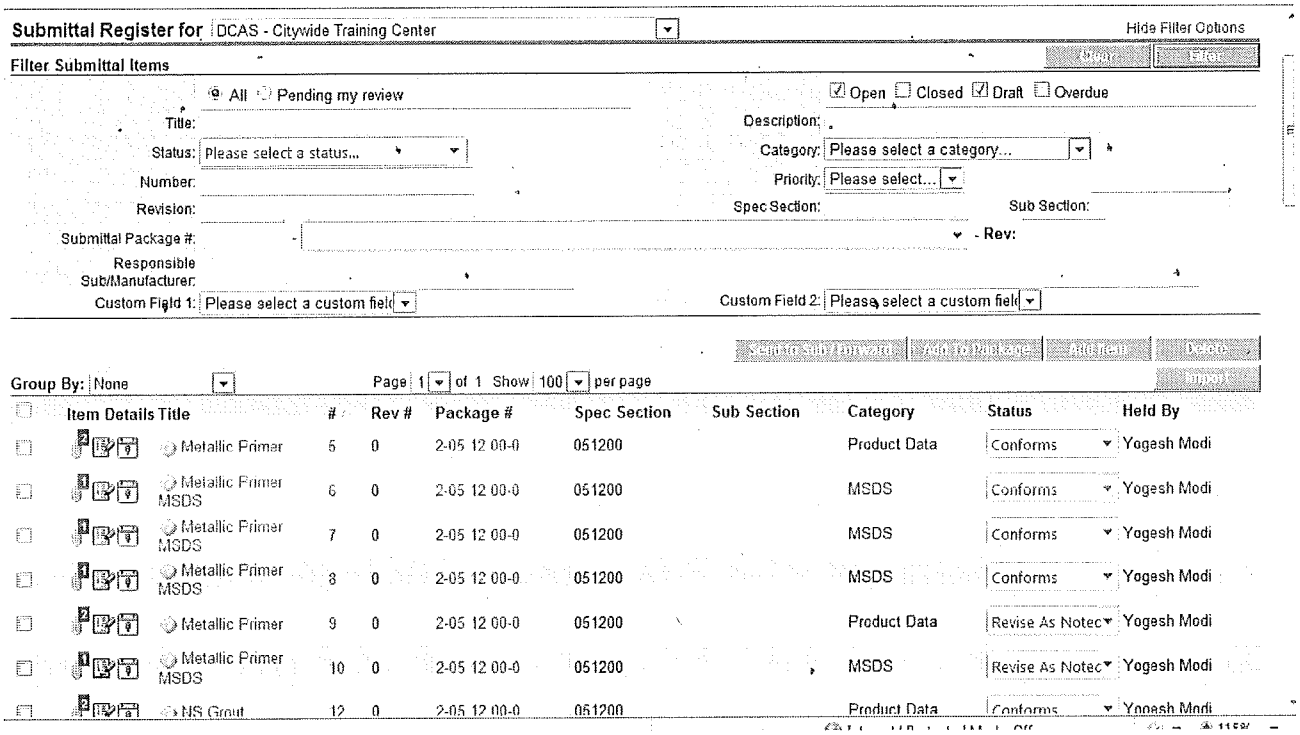


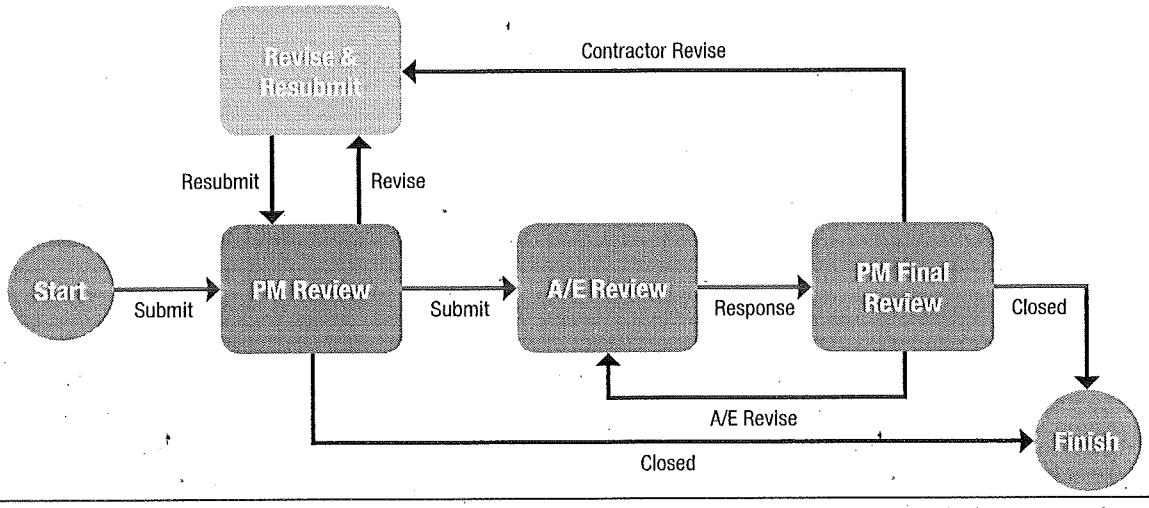
Figure 3: Screenshot of Submittals Register for a Project

STV will maintain an RFI answer log to record and track all RFI's, their status, and their answers using the integrated project management platform. The computerized log is reviewed on a daily basis to verify that RFI's are processed and answered in a timely manner to meet schedule requirements. The STV RFI review process is shown on the previous page. STV can configure the platform to follow any RFI process required by the PANYNJ and format reports and logs to accommodate the PANYNJ's standards and requirements.

The STV team will review all RFI's generated by the contractors for validity and scope prior to submittal to the responsible party for response. The responses will also be reviewed for validity and compliance to confirm that they do not unnecessarily add scope to project.

Document Control

The document control module is customizable for each project to include a project-specific folder structure. It facilitates document sharing, review,



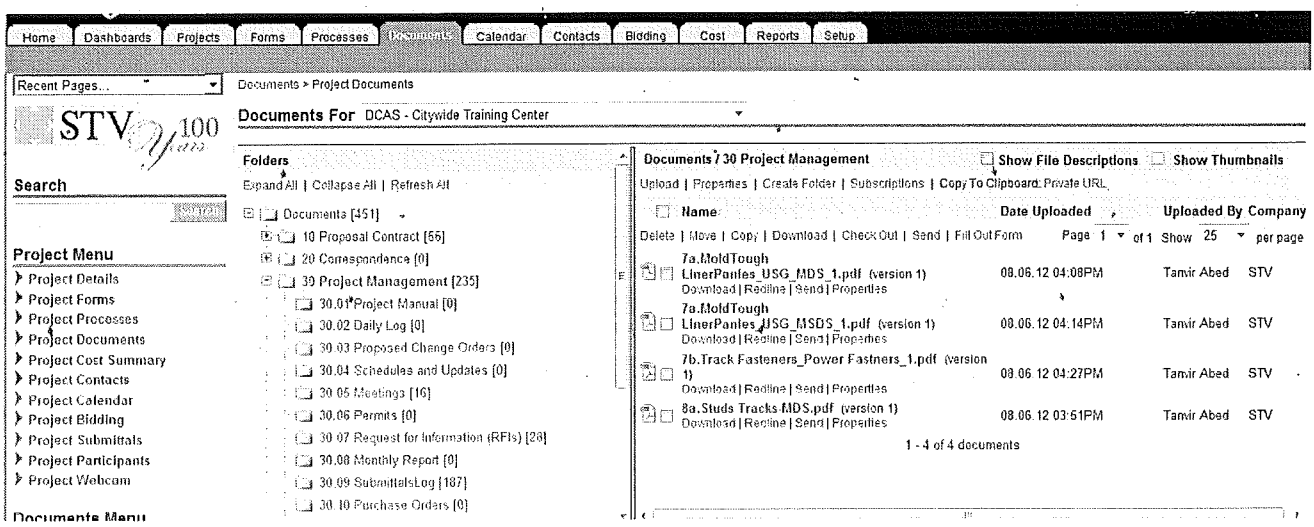


Figure 5: Documents Module

markups and updates. It assures that all project parties have the latest version of documents at all times. It includes:

- An audit trail for all document downloads, uploads, and comments
- A time stamp on all document related actions
- An email in and out feature, where documents could be sent directly to a specific folder through the email and vice versa
- The ability to make folders available for viewing and downloading by parties that are not IPMP users

The STV team will provide full control on the project documents. One very important component is the management of the contract documents. The contract drawings and specifications will be indexed to confirm that only the current documents are being used by the project team. Earlier versions, although archived, will also be used in evaluating changes as they may occur during the project.

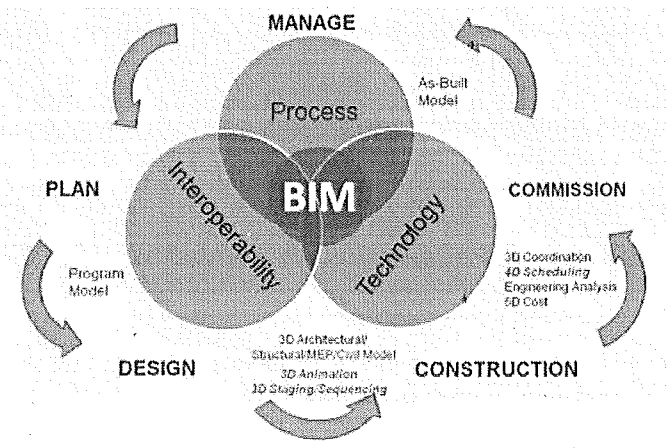
BIM Services (Available Option)

The STV team is prepared to provide the PANYNJ with BIM-456 services which can add substantial value to the project by improving communication and collaboration between all project participants. The STV team has the capability to provide BIM services across the program's lifecycle, from design to post-construction services. The services provide enhanced transparency around many fundamental project metrics.

Schedule Management and Analysis

Integrating the cost loaded schedule (Primavera P6) with the 3D model (Autodesk Revit) produces a 4D schedule, which allows STV to report on the project progress by:

- Visual representation of the work completed in comparison to the work planned
- Visual representation of the upcoming activities (4D Look-ahead schedule)
- Graphical representation comparing the planned dates and actual dates of the work in place (production rate analysis)



- Graphical representation of the Earned Value Analysis, which reports on the project progress in terms of both schedule and cost
- Graphical representation of the weekly progress of the project scope broken down by area and by trade
- Analysis of the variance between the planned and actual dates of critical activities
- Graphical analysis to show the probability of meeting the current schedule

Scope Analysis and Change Management

STV uses the construction BIM model to extract quantities and carry-out cost estimating for change orders, scope changes, and revisions. The project team used Assemble Systems to carry-out quantity take-off tasks and report on quantity variances between model iterations.

BIM Services Available

a. Model Validation

- Assure the model is accurate and matches the 2D drawings for all information
- Run a clash detection test on the design models to confirm adequate coordination is provided by the design team
- Conduct design coordination meetings to resolve any clashes in the model

BENEFITS GAINED

- Verify the model conforms to the BIM execution plan and PANYNJ BIM standards
- Improve the quality and coordination of design documents
- Provide a 3rd party review of the building information models developed by the A/E.

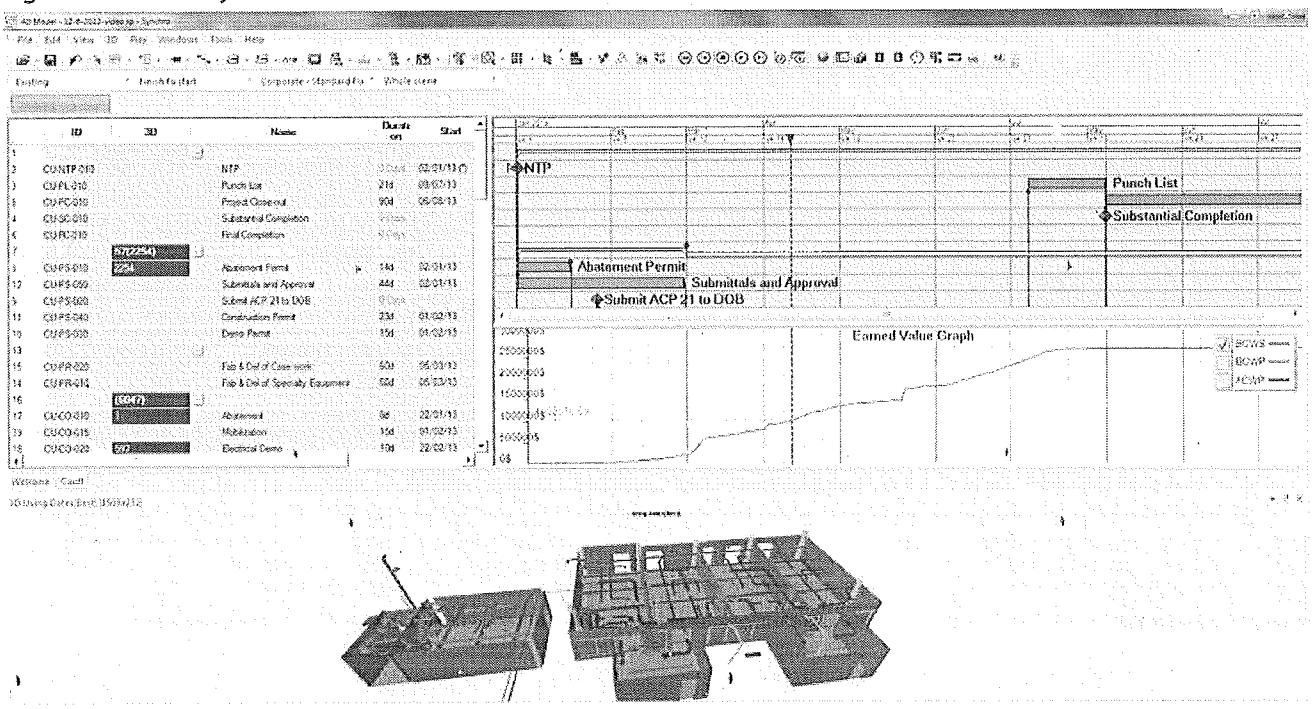
b. Model Conditioning

Condition and transition the model from a design to a construction model increasing the level of detail. The project team will use Autodesk Revit to produce a construction model suitable for 4D scheduling and 5D estimating services. (Note: All changes to the model must be documented)

BENEFITS GAINED

- Prepare the model for use in the construction phase to facilitate cost and schedule management

Figure 6: BIM Analysis



c. Use the model to carry out quantity takeoffs at various stages of the design process

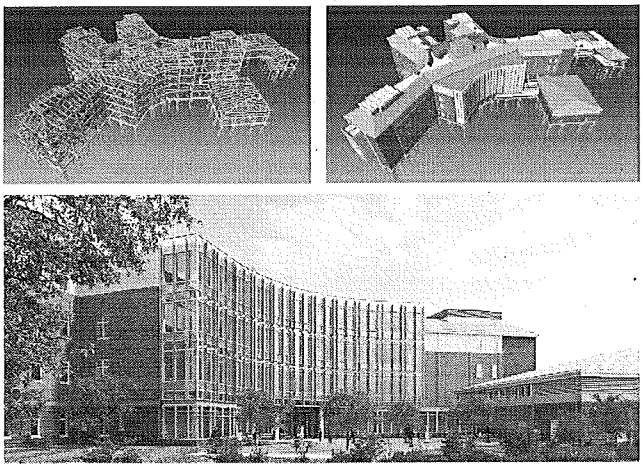
BENEFITS GAINED

- Reduce time spent on quantity-take-off
- Focus time and effort on pricing, material availability, constructability issues, and value engineering

d. Use BIM tools to produce a variance report for any design changes in an efficient manner

BENEFITS GAINED

- Reduce time spent on comparing different version of 2D drawings
- Compare different design alternatives faster than using traditional 2D take-off tools



STV USED BIM FOR THE DESIGN OF THE OGS BRONX PSYCHIATRIC CENTER PROJECT.

Technical Approach for Assigned Tasks

Task A. Constructability, Biddability & General Engineering Review

STV's constructability reviews will focus not only on the design and construction process, but the effect that changes to the documents can have on the reliability and maintainability of the facility.

Constructability reviews will be conducted as part of the design review milestones. The design documents will be reviewed to verify that the project can be built within budget and on schedule. These reviews will focus on the following:

Design
• Design details
• Design coordination
• Design features
• Spare parts.
• Permitting/utility approvals
Construction
• Coordination with other facility contracts
• Construction details
• Scheduling/staging
• Work hours
• Temperature sensitive materials
• Space conflicts
• Contractor coordination
QA/QC
• Reliability
• Maintainability
• Testing
• Turnover

- Elimination of impractical/impossible construction requirements
- Ability of design to meet site conditions and constraints
- Availability and sustainability of labor, material, and equipment
- Verification of site conditions such as contractor access and storage
- Determining and assessing construction milestones and durations
- Verification of QA/QC requirements
- Ability to meet public requirements such as adjacent land use, level of service, and ADA requirements
- Verification of utility locations and procedures for service interruptions/outages
- Conformance with local work practices
- Obtaining operation and maintenance input from impacted users

The goal of these reviews is to provide a design that is economical, buildable, and minimizes exposure to claims and cost growth.

The biddability review will be conducted in parallel with the constructability review but with a slightly different approach to assure that:

- The design is clearly defined and detailed
- Structural member sizes and connection details/ requirements are called out and follow standard industry practice
- Material and equipment specified is conventional and readily available
- Proper inter-discipline coordination has taken place for all systems and building components
- Proper coordination has taken place between design and phasing documents and the project schedule
- Long lead items are defined
- The scope of work has been clearly defined and clearly delineated among the various contracts/ subcontracts without any scope gaps

The General Engineering Design review will include checking the design documents for clarity, completeness, consistency, and construction detailing in drawings and specifications. Design options/ alternatives presented by the design team will be reviewed, and others developed, to improve the facility operations and minimize active facilities inconveniences throughout the construction period and into the new facility's operations.

Sustainability analyses will be performed in conjunction with the design reviews, to improve upon the project's LEED compliance during construction and for permanent use. Recommendations may be generated which trade off short-term and long-term costs and savings, to achieve better cost effectiveness on a life-cycle basis.

Using the project's contract administration software, STV will track all issues and comments raised during the constructability review. All issues will have a unique number and be logged and shared with the project team with appropriate coding to designate the issue/comment. All issues/comments will remain open until designated as implemented or closed. It will be the responsibility of the designated Project Manager to make sure that all issues are adequately evaluated, addressed, and implemented if accepted by the PANYNJ.

Task B. Construction Staging

STV's professionals will review design documents prior to bidding to evaluate the efficiency and feasibility of performing construction around the constraints and requirements of any of the PANYNJ's ongoing operations. All of the PANYNJ's facilities require close coordination. STV will review all documents with a focus whether all required details and constraints are clearly delineated in the bid documents. In addition, we will look for opportunities to streamline construction activities, depending on the needs of the PANYNJ's tenants, and we will make recommendations to changes on areas of construction phasing, staging, construction site access routes, laydown areas, material access, construction cranes assigned locations, maintenance and protection of traffic and most importantly minimize disruption to PANYNJ's active facilities.

Task C. Schedule Development & Monitoring

The STV team recognizes that schedule control is an essential element for the successful execution of any project.

The schedule will serve as the contract baseline by which the designers' and eventually the contractors' progress will be measured and tracked. Actual progress and resource usage will be continuously reviewed, monitored and recorded against planned logic, sequencing, and quantities installed, to identify deviations from the approved plan so that we can recommend immediate corrective action, if required.

In collaboration with the entire project team for a given task, STV will develop a detailed construction schedule, using prescribed software in the specifications — such as Primavera (P6), which will be used as the master project schedule to integrate all project components including design and construction. The schedule will identify the critical path and all project predetermined

milestones. The schedule will show the sequence and interdependency of all the project activities, including non-construction (drawing approvals, procurement, and the like), and design and construction activities. The detailed schedules will be developed in accordance with the project specifications. This schedule will be updated periodically, typically on a monthly basis, to reflect updates from the various project components and report on any delays or any work that is being performed out of sequence. STV will work with the project team to arrive at the proper recovery plans to make sure that the project milestones are met.

In addition, STV will review the A/E's and contractor's schedules to assure conformance to the contract requirements and compliance with the overall milestones for the project. Depending on the project complexity and duration, STV has typically mandated that contractor's schedules be resource loaded (quantity of material to be installed, manpower requirements such as crews, major equipment, and crew production rates) and cost loaded to reflect the value of the contracted work on the detailed schedule of activities. This information is used to assess the contractor's performance of the work, from schedule and budget standpoints, when reviewing their monthly updates. This is also used in analyzing delays and any claims for time extensions.

STV understands the project schedule, for both design and construction, will be thoroughly coordinated at the very early stages of the project. Issues such as proposed phasing of the work, local approvals, separate Prime Contractor coordination or CM at risk must all be addressed to logically approach the execution of the project. STV has worked through these very same issues on a wide variety of projects with numerous clients, and is confident in our experience and approach.

STV's schedulers build Critical Path Method (CPM) schedules, using leading edge scheduling software, that conform to contract requirements and industry standards. The project manager will engage with the design team to provide the planning, work breakdown structure, and the schedule logic along with estimated time durations for each activity. The STV scheduler will enter the data into the scheduling program and prepare the reports that show the shortest time in which the project can be completed, identify those activities which cannot be slipped, and show the potential slippage (float) available for those activities that are not critical. In cases where the resultant time requirement exceeds available time, the project manager and the design team must re-evaluate the entire program and take whatever action is required to meet time objectives.

Activities include not only technical interfaces such as architectural backgrounds, geotechnical reports, structural member sizes and elevations, equipment requirements (electric, air, water, fuel, drain) but also quality control activities. The schedule includes activities for reviews, technical checks, publishing and shipping of documents. Client driven changes in work or schedule will be evaluated for impact on the project schedule. The changes will be treated and processed as a schedule deviation and the resources and schedule adjusted upon consultation and concurrence of the PANYNJ.

Schedule Control/Time Impact Analysis Approach

STV will manage the project schedule to minimize slippage within the elements or subsets of the schedule. STV's schedule control is based on predicting rather than reacting to problem areas. The approach is both simple and comprehensive and impacts all aspects of project implementation.

The schedule is updated with actual progress on a daily, weekly or monthly basis as required to determine compliance with the baseline. Updates include input of actual dates, remaining durations, percent completes and actual costs/resource usage (where applicable), and comparisons are made with variances highlighted. Recommendations are provided to the PANYNJ regarding the status of the project, including the status of key milestones and the critical path.

Time impact analysis (TIA) is an industry-recognized analytical technique intended to facilitate a reasonable estimation of the time impact to the project caused by a single event or a series of events. At STV, TIA is incorporated in our scheduling approach where we use forward looking tools to analyze the magnitude and responsibility of

potential delays as they occur to minimize disruption to the project.

Task D. Quality Assurance Inspection (QAI)

The STV team's mission will be to provide high quality products and services that meet your requirements. We accomplish this on each project by integrating a high level of vision, innovation, and integrity with a quality system that is based on clear objectives and a commitment to continual improvement. The STV quality manual, for example, adheres to the latest applicable standards and procedures defined in ANSI/ASQ Q9001.

With extensive quality assurance guidelines defined within the PANYNJ's Quality Assurance Department, our job will be to identify all necessary QA/QC requirements on the project from the onset, recognize the role each member of the project team plays in the QA/QC program's implementation, and then manage and report on the quality of the work product to be produced. This is done through the development of the Quality Management Plan, a document which we will develop based on criteria indicated in the project plans and specifications and within the PANYNJ's quality assurance requirements. After review and approval by the PANYNJ, we will clearly define the plan to all project team members.

Construction Inspection

Our field/construction inspection teams (resident engineers and inspectors) will carry out their duties and responsibilities to determine if construction work, including material fabrication, is being performed in accordance with the construction documents and specifications. The assigned resident engineering and inspection team will audit contractor activities to make sure that there is no deviation from contract requirements and that work is performed with proper safety and with expected quality. Field teams will assist each project manager in verifying quantities of work performed, materials used, fabrication dimensions, consistency with contract documents, and adequacy of the contractor's resources.

Our field teams will be trained in our project-specific QA Plan and will become familiar with the contractor's plan and procedures. They will monitor the work of the contractor using these documents as a basis. We will provide the services of a survey party, if required, to monitor the layout of the placement structures, verify elevations and confirm accuracy of the contractor's survey control. Other services we may provide to assist PANYNJ include:

- Facility Inspection - Based on the requirements of the PANYNJ and the complexity and importance of the specific component being fabricated, we will determine if full- or part-time inspection will be required at the facility.

- Materials Monitoring - We will monitor the contractor's placement of material orders to determine if scheduled delivery will support the project milestones. We will review any early procurement items or long-lead items.

- Maintenance & Protection of Traffic (MPT) - If required, we are able to call in our expertise to mitigate potential traffic situations.

- Night and Weekend Work - STV is accustomed to performing work in multiple shifts, such as night work and weekend work. We are aware of the importance of revenue collections and the need to keep buildings occupied with tenants.

- Security - The STV team understands the need to maintain a secure work site. We are aware of additional security measures that have been instituted as a result of 9/11 and will carefully follow and observe all rules, regulations, and measures. We will be mindful to "lock the gate behind us." We will follow security control protocol by coordinating with facility police; by issuing ID badges to personnel cleared to be present in the work zones and making sure that personnel carry that identification while on site; and by making sure proper identification is displayed on vehicles and equipment to be used on the site.

Contractor Monitoring & Coordination

On the PANYNJ's behalf, STV's professionals will monitor, review, and evaluate the actual construction by the contractor in accordance with contract

documents, PANYNJ requirements, and industry procedures. To achieve close coordination of all work activities among the numerous parties, we will participate in contractor coordination meetings. Attendees may include our field representatives, the construction manager or contractor's representatives, PANYNJ representatives, and design team members, as appropriate.

Additional activities which STV's project management and technical professionals may complete during the construction phase will include but not be limited to:

- Monitor that the work is performed in accordance with the contract documents, with PANYNJ requirements, and with previously agreed-to methodology
- Verify the contractor has obtained all necessary easements, permits, and variances
- Make sure of the contractor's compliance with contractual reporting requirement
- Facilitate the resolution of outstanding submittals and/or RFIs

Safety

The STV team cannot overemphasize the prime importance of safety on any construction site. Hard hats, safety vests, eye protection, ear protection, respirators, work shoes, emergency telephone numbers, tool box meetings, and OSHA, to name a few things related to safety, are common topics of discussion on a construction project. Throughout the life of the project we will continue to maintain safe work conditions.

The STV team will monitor the contractor's compliance with their own safety guidelines, standard industry safety practices, and client site safety regulations. To verify the contractor's understanding of the job site safety regulations and procedures, we will make sure that the contractor submits a project safety program.

In the process of monitoring the contractor's adherence to safety practices, the STV team will notify the contractor and the PANYNJ's safety department of any safety violations or noncompliance observed by filing a safety infraction report. Safety issues or violations will also be reported in the monthly reports that we will prepare for the PANYNJ.

STV believes safety is of prime importance on any construction site, particularly projects involving occupied facilities.

Daily, Weekly, & Monthly Reports

The primary purpose of STV's reports is to provide a complete chronological history of all significant events during the construction period. These reports will be considered documents of record in possible future claims hearings or court cases. Therefore, the writing style will feature clear and concise presentation of facts in neat and legible handwriting. By noon on the Wednesday of the week following any construction work on the site, we will furnish a weekly activity report to the PANYNJ. We will also prepare and deliver a detailed monthly report to the PANYNJ. Copies of the report will be submitted by the 10th of each month covering the work performed during the previous month.

Post-Construction, Closeout, & Acceptance

For completion and acceptance of each portion of the work, STV will develop a detailed plan and schedule for the completion and acceptance of each stage, and of the closeout of the construction contract. The development of the completion plan will be initiated at least 60 days prior to scheduled completion of each phase. STV will work with the project team to identify critical items or issues that need to be expedited or resolved to not jeopardize the successful timely completion of the project.

The completion plan will establish the administrative and management activities necessary to accomplish the remaining work and will provide for a coordinated turnover to the PANYNJ. The plan will be completed and submitted to the PANYNJ 30 calendar days prior to completion of each phase.

Contract Closeout

Our final inspection and acceptance of work will certify completion of punchlists and will close out the contract when the construction and instal-

lation contract is completed. The STV team will consider a contract to be closed out when the following items have been finished:

- Final punch list has been completed and signed
- Contract closeout checklist has been completed and signed off by the appropriate entity
- Final amendment has been approved, issued, and signed
- Final progress payment request has been checked and agreed upon and paid, including retention
- Function or performance of equipment installed has been verified
- All claims have been resolved

Task E. Contract Administration

The early notification of a potential change or claim is crucial to the financial health of a project. Each potential change must be addressed expeditiously for its validity, fair cost value, and impact to project budget and schedule. Any potential claims that are observed or suspected must be identified immediately so the process of collecting and reviewing all pertinent data expedites a resolution.

In conjunction with and as approved by PANYNJ, STV will implement a Change Management System that meets the PANYNJ's needs by providing early identification, evaluation, processing, controlling, and approval of:

- Pending Item Notifications (PIN) - the early notification of a potential change or potential claim accompanied by a rough order of magnitude estimate (ROM). For potential claims, this stage alerts the Authority and begins the process of collecting and analyzing data Pre-PACC.
- Post Award Contract Changes (PACC) – Post PIN, the initiating document for change order work that must be evaluated based upon supporting documents and drawings/sketches, as applicable, to determine if 1) there is a contractual change, whether deletion, addition or contractor charge back and 2) the scope and reason of the change is clear. An analysis of Engineer's estimate vs. contractor's proposal for cost and scope leading to formal contractor negotiation and implementation based upon the Authority's approval.
- Change Orders (CO) - Post PACC, document that formally sets forth the parties and incorporates the agreement into the contract as authorized by the Authority.

Depending on the site of a given project, STV can create a Change Management Team (CMT). The CMT is responsible for managing and monitoring the PIN, PACC, CO process and its status to make sure information is accurate, valid, and addressed in a timely manner by integrating themselves within the project team and conducting periodic review meetings such as:

- PIN Review Meeting – Conducted once a quarter minimally, this meeting reviews all open PINs to determine their current validity as a potential change or potential claim, and if valid, determine if the ROM estimate should be adjusted based upon present circumstances.
- PACC Review Meeting – Conducted weekly, this meeting reviews the status of all open PACCs based upon criteria such as PACC age, impact to the construction schedule, stakeholders, life safety/environmental concerns, engineering estimate completed, contractor proposal received, negotiation date set, etc. Through this meeting critical PACCs are identified, issues raised are discussed, and next steps identified to forward the PACC. Also reviewed at this meeting are the approved PACCs, not yet executed as a CO, and their status within the CO process.

In addition, the CMT will provide the Authority a weekly summary update highlighting the status of potential claims, critical items that arose from the previous week, and overall weekly change status.

The Change Management System will be fully integrated into the project's cost model and is a critical component in containing project cost by identifying scope growth, changes in project schedule and cost, items that may impact regulatory requirement, future risk and forecasts of Estimate at Completion (EAC) and Estimate to Complete (ETC). All pertinent data such as correspondences, estimates, analysis, recommendations, negotiations, etc., related to the progress

of each PIN/PACC/CO item shall be electronically filed by PIN/PACC/CO item providing an ongoing history of the item. The System's framework will allow it to interface with several projects and/or sub-project within a larger project.

Reports generated from the Change Management System shall be continuously used by the project team, accessible to the Authority, and included in monthly progress reports.

STV will also have a set method for establishing earned value for work performed that can be monitored against the project budget. The STV team will provide full control over processing of T/M records. Only authorized T/M work will be considered. STV will manage the contractor's payment application process which will be reviewed in conjunction with the project schedule deliverables, milestones, and earned value assessment.

STV will collect project information at the right intervals, the right granularity and will provide meaningful analysis that can be monitored and reported upon in various levels of reporting metrics. At project completion, we will inventory and document all records so that they can be easily transferred and used in the PANYNJ archives.

Task F. Cost Engineering/ Estimating Services

All of the STV team's major milestone estimates will be reviewed with the project team and the STV team will continue to monitor/evaluate/ reconcile these estimates against the project's Cost Model and Schedule. Cost estimates will be performed in accordance with PANYNJ's Construction Estimating Guide. At the onset of each task-order, the STV team will work with the PANYNJ to develop the template for all soft costs, contingencies and Proforma costs that are applicable to the task order. The contingencies will be monitored and adjusted throughout the various phases of the project. The STV team will establish a Work Breakdown Structure that will be used throughout the various phases of the project to enable monitoring of all project costs and cost accounts to a great level of accuracy. STV will also identify to the PANYNJ, any risk factors, ahead of time, that can jeopardize the project budget.

Schematic Design Phase

Based on the Schematic Design Documentation, the STV team will prepare the cost estimate around an understanding of the scope, from the collaborative meetings, the schematic drawings, the project narratives, and the outline specifications. At this early stage in the design process, the estimate will include detailed quantities for both architectural and structural items. Benchmark system quantities and costs will be used for the MEP disciplines as design content will not have been developed.

It is imperative that all parties understand and concur with the STV team's understanding of the scope of the work at all stages. Value engineering in the form of a checklist of system cost saving items will be presented with the schematic design estimate for review and discussion. The estimates will be reviewed with the client and the design team as required.

Design Development Phase

The Design Development Cost Estimate will be based on developed drawings and will outline specifications prepared by the design team. This estimate will include quantities for the design scope and provide allowances for undefined areas. Elemental and cost per square foot will be established for the estimate and reconciled to the cost model and previous estimates. And audit trail/variance report will form part of the cost plan submission document.

The STV team will continually monitor and evaluate the progress of the documents to make sure that they are proceeding in conformance with the cost model and are on schedule. Value engineering will be concurrent with the design development estimate.

To assure pricing is consistent with current market procurement, the STV team will bring in subcontractors for price checks with budgets after Design Development.

Construction Documentation Phase

Construction Document Cost Estimates will be developed at levels consistent with the project's requirements. The STV team will continue to monitor/evaluate during this phase, the progress will be constantly checked against the cost model and schedule, and

value engineering will continue. At this stage the estimate normally contains a significant element of bid-out work scopes which will be included within the estimate to reduce risk. Bid-buys included within the estimate will be reviewed and appropriate provisions for scope holds and contingencies included, ensuring complete scope coverage.

STV has applied the design assist methodology to several current and previous projects where a significant benefit has been realized and these designers and subcontractors have worked alongside the design team throughout the design period, with a common goal of achieving performance specifications while meeting budget needs.

Task G. Resources

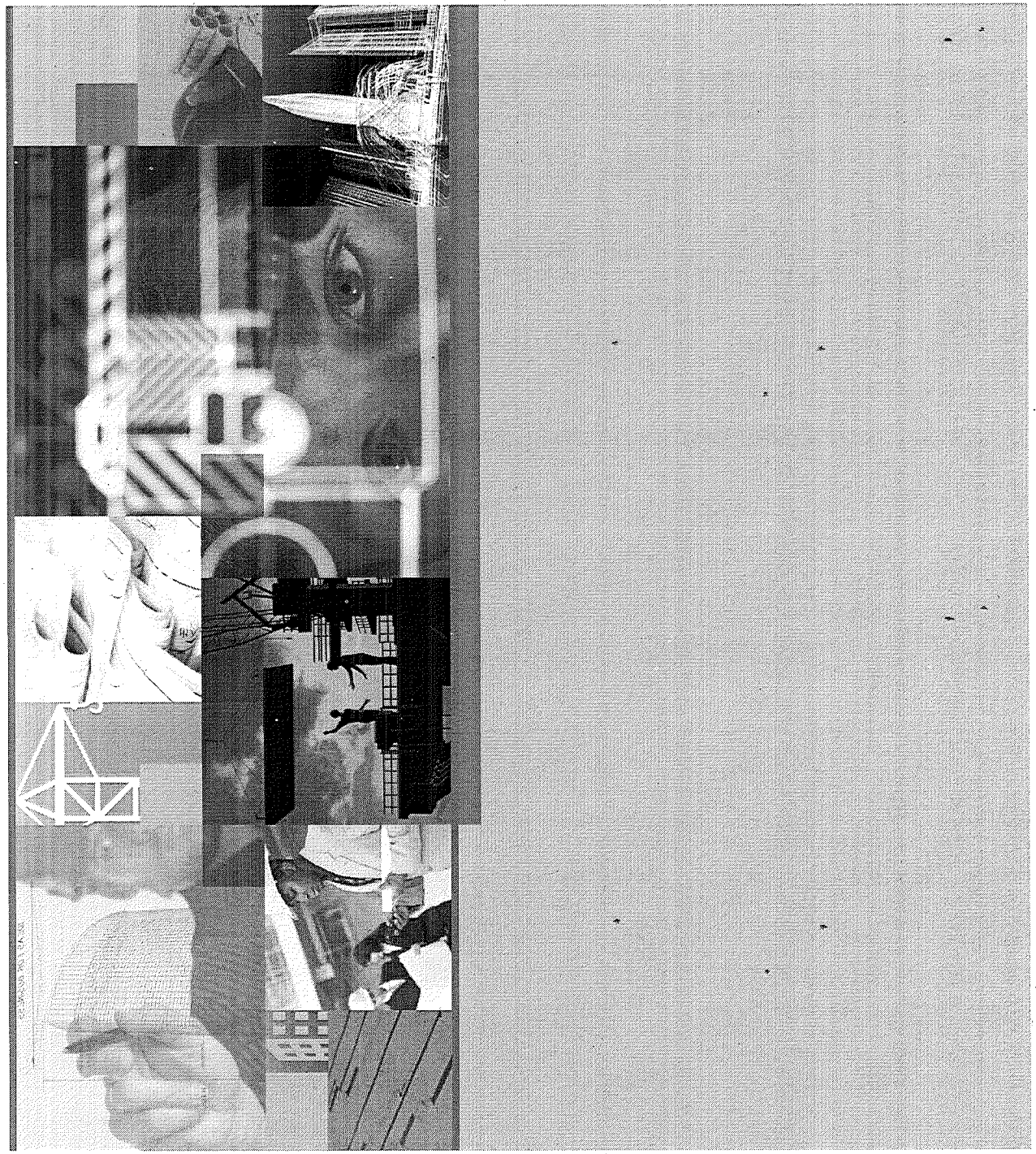
STV, being a firm of multi-disciplined construction managers, architects, engineers and planners, can provide the whole spectrum of services for all phases of the project. Beyond the construction management services that are outlined in this proposal, our entire staff is at arms reach and can be made available for any of the tasks that are required for the contract.

Supplementing our staff, STV has previously engaged the services of several material and testing firms, one of which is JPCL Engineering, providing material and testing services under the supervision of licensed professional engineers on multiple other projects and can have their services available depending on the type of services required for a given task order. Such services include:

- Materials testing in accordance with applicable ASTM and AASHTO guidelines, including the requirements of ASTM E329, standards and recommended practices of inspection and testing agencies.
- Pile driving inspection and monitoring
- Steel inspection and non-destructive testing of steel components
- Geotechnical inspection of earthwork, subgrades and backfill
- CIP and precast concrete inspection and testing
- Asphalt paving inspection and testing
- Establishment of an on-site materials testing laboratory
- Fireproofing/firestopping

Summary

STV is uniquely qualified to undertake the variety of assignments that may result from this "call-in" contract. Our firm offers the range of expertise required to creatively address all of the key issues for this contract because we offer the depth of experience and the management capabilities need to respond to diverse needs in a timely manner. The STV team, conveniently located in Manhattan (over 200 CM and CI personnel at our 225/233 Park Avenue South location) near the PANYNJ's executive offices and facilities, can provide a rapid response team to provide you with needed and critical staff support.



I. FIRM'S AFFILIATES

THE PORT AUTHORITY OF NY & NJ

STV Construction, Inc.

STV Construction, Inc. is a wholly owned subsidiary of STV Incorporated. STV Incorporated is a wholly owned subsidiary of STV Group, Incorporated. STV Group, Incorporated is wholly owned by the STV Employee Stock Ownership Plan (STV ESOP). STV ESOP c/o STV Group, 205 West Welsh Drive, Douglassville, Pennsylvania 19518. There are no individuals within the STV ESOP that hold 5% or more of the outstanding STV ESOP shares.

Subsidiaries

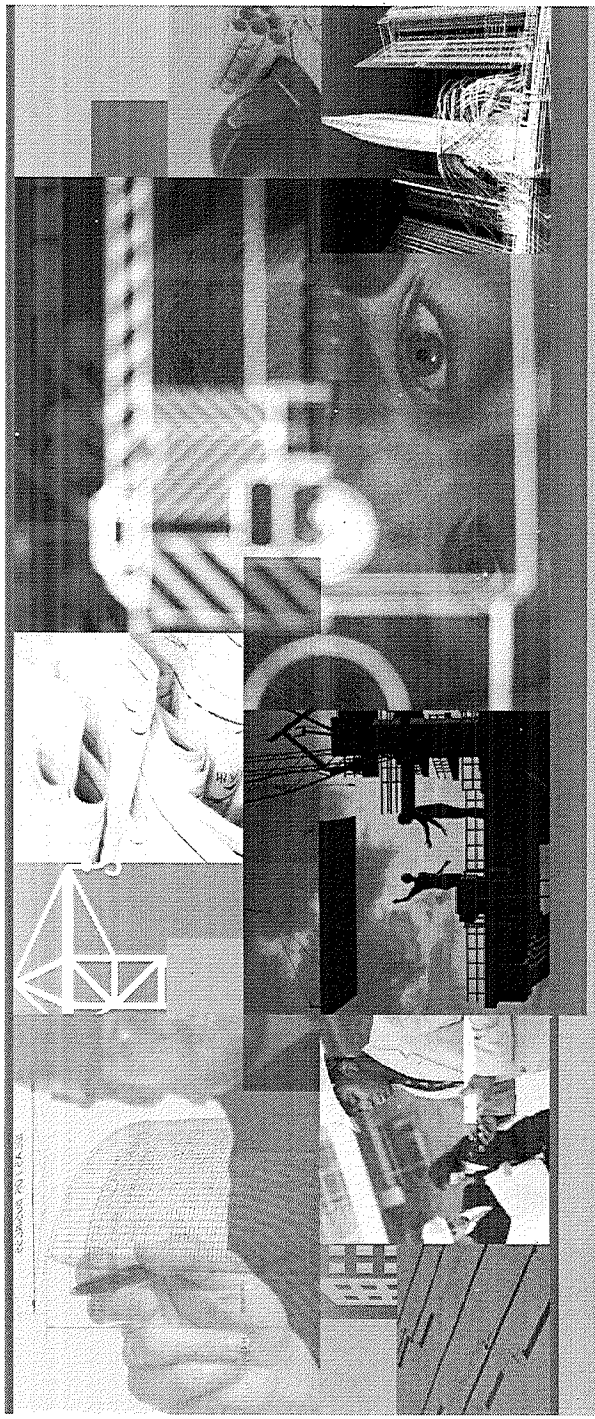
The following subsidiaries are 100% owned and controlled by STV Incorporated or its subsidiaries:

- STV Canada Construction, Inc.
- STV Canada Consulting, Inc.
- STV Construction Services, Inc.
- STV Construction, Inc.
- STV Energy Services, Inc.
- STV International, Inc.
- STV Massachusetts, Inc.
- STV Michael Lynn Associates, Inc.
- STV Middle East, Inc. (Wholly owned by STV/WAI)
- STV WAI, Inc. (Wholly owned by STV Incorporated)
- GWD Design, Inc. (Wholly owned by STV Energy Services, Inc.)
- GWD Field Services, LLC

Related Entities

The following entities are controlled by STV Group, Incorporated, and/or STV Incorporated:

- STV Architects I, P.C.
- STV Architects, Inc. (Controlled by STV Incorporated. STV Incorporated owns 33.3 %.)
- STV Architects, P.C.
- STV Canada Architects, Inc.
- STV Design Puerto Rico, LLC
- STV Energy Engineering, P.C.
- STV Energy Services II, P.C.
- STV Puerto Rico, LLC
- STV Silver & Ziskind Architects, P.C.



J. CONFLICT OF INTEREST

THE PORT AUTHORITY OF NY & NJ

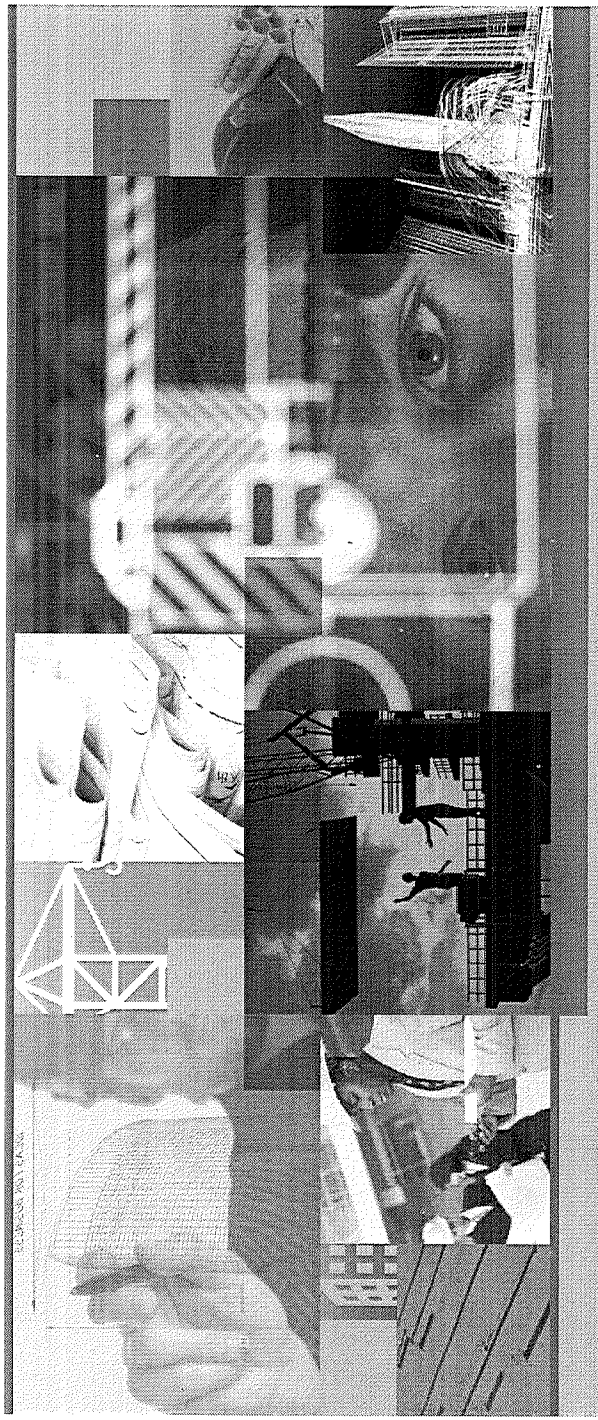
Neither STV nor any employee, agent, or subcontractor of STV has any conflicts of interest to disclose regarding this contract. STV currently provides services to the PANYNJ on multiple projects. Some of these contracts include, but are not limited to the following:

- One World Trade Center and National September 11th Memorial and Museum Owner's Representative and Expert Program Management Services
- World Trade Center Chiller Plant
- World Trade Center Transportation Hub
- Cost Control and Project Management Services for World Trade Center (WTC) Projects
- World Trade Center Site-Wide Operations Control Center
- World Trade Center Vehicular Security Center and Tour Bus Parking Facility
- Cortlandt Street Station

As this is an on-call contract, it is possible that a particular assignment could conflict with STV's other contracts with the PANYNJ. Upon receipt of an on-call assignment, STV would review the assignment's scope of work against its prior and existing contracts with the PANYNJ to determine if there would be a potential conflict with the new assignment.

If there appeared to be any conflict of interest, STV would bring the matter to the attention of the PANYNJ and respond as directed, as well as implement STV's conflict mitigation procedures.

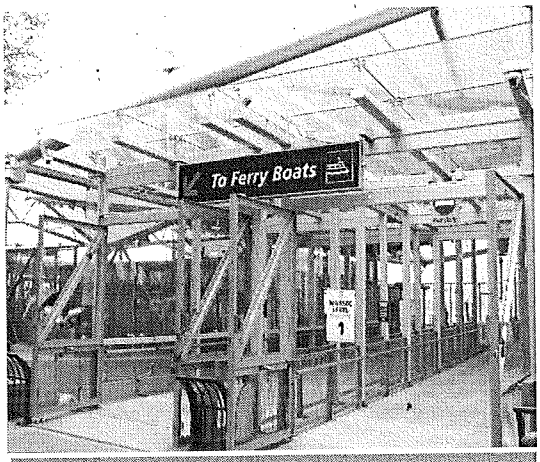
K. Exceptions to Standard Agreement

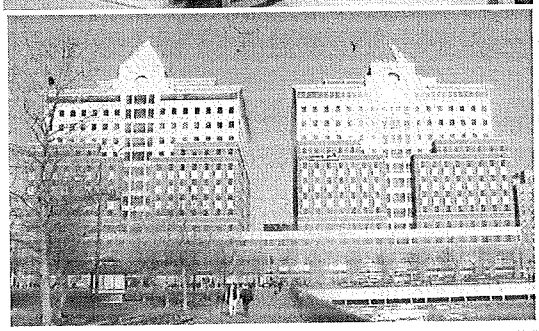


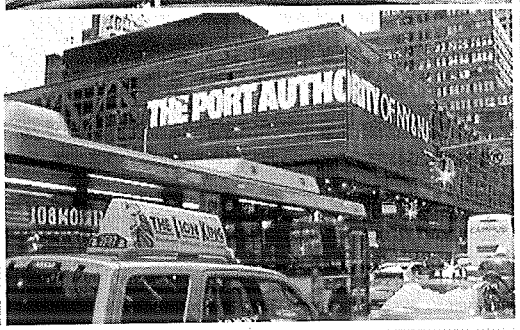
K. EXCEPTIONS TO STANDARD AGREEMENT

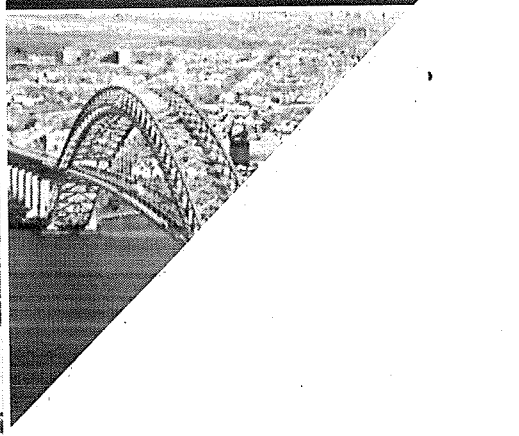
THE PORT AUTHORITY OF NY & NJ

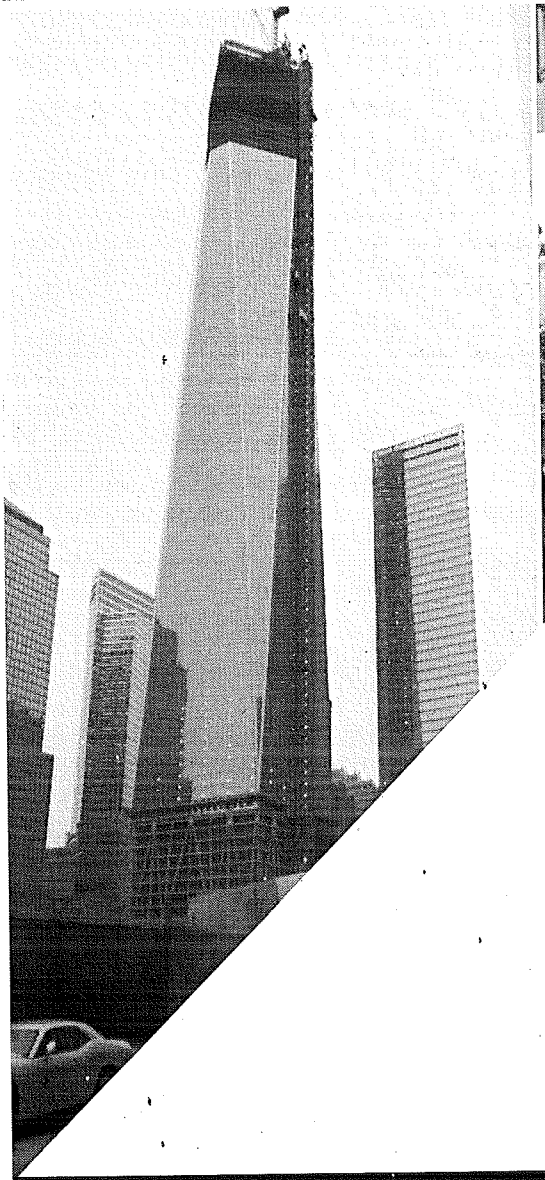
STV takes no exceptions to the standard agreement included as part of this RFP.

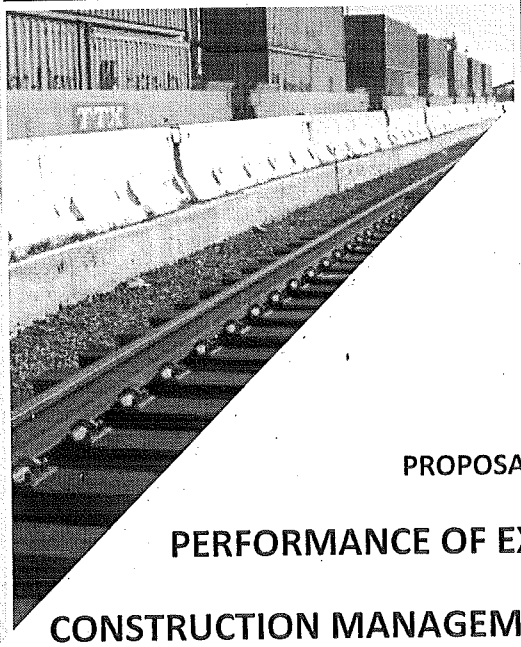












THE PORT AUTHORITY OF NY & NJ

PROPOSAL FOR THE

PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT & INSPECTION SERVICES

ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018

RFP NO. 39247

Proposal for
The Port Authority of New York and New Jersey

Submitted by Savin Engineers, P. C.
Vendor No. 117306

September 18, 2014

Savin Engineers, P.C.

Savin Engineers, P.C.

3 Campus Drive, Pleasantville, NY 10570
Tel. 914.769.3200 Fax. 914.747.6686
www.savinengineers.com

September 18, 2014

The Port Authority of New York and New Jersey
2 Montgomery Street, 3rd Floor
Jersey City, New Jersey 07302

Attention: RFP Custodian

RE: REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP NUMBER 39247)

Dear Sir or Madam:

Savin Engineers, P. C. (Savin) in association with Hudson Valley Engineering Associates (HVEA) and Haider Engineering, P. C. (Haider) is pleased to submit our proposal to provide construction management and inspection services as requested by the Port Authority of New York and New Jersey on a "call-in" basis as specified in Attachment A of RFP No. 39247 dated August 27, 2014. We have formatted the proposal in accordance with the information provided and have enclosed one (1) reproducible original and three (3) copies, along with four (4) compact disc copies per your request. We have limited the proposal to fewer than 25 pages for Letters F and G in Section II, and each resume is limited to a 2-page maximum, using 12-point font size. We intend to meet or exceed compliance with Paragraph 23 of the Authority's Standard Agreement in which are stated the goals for Minority Business Enterprise participation.

We believe that Savin Engineers, P. C. is extremely well-suited for this assignment because:

- **Since 2001, Savin Engineers, P. C. has performed on-call construction management services almost continually for the Port Authority.**
- **We have the depth and breadth of experienced staff required to staff this project. This includes certified inspectors, licensed professional engineers, schedulers, estimators, and claims specialists, among others.**
- **We have a proven track record in being responsive to the Port Authority and the CMD (Construction Management Division). We are consistent in our ability to properly staff our on-call projects, often times on short notice, in a very short turnaround time.**
- **We have the right staff to provide exceptional service. Many of our staff have experience working with the Port Authority. Their understanding of the standards and processes used by the Port Authority are invaluable.**

KNOWLEDGE OF YOUR PROJECT

We believe a sound knowledge of the requirements and intent of a project is critical to performing it successfully. Savin has provided construction inspection services on numerous "on-call" or "call-in" type agreements over the years, and is currently providing such services for the Port Authority on a very similar project. These projects have all required quality personnel who must often be available for varying durations.

Based on our experience, this project will require coordination, responsiveness and an overall knowledge of Authority expectations in order to be performed successfully. It may require numerous construction management personnel of varying levels be provided to numerous facilities throughout the Authority, on short notice, and for varying durations. Savin is extremely familiar with the constant vigilance demanded by this type of project such that the Authority gets quality individuals where and when needed.

THE FIRM TO MEET ALL YOUR NEEDS ON THE PROJECT

Savin has worked on over fifteen different "CALL-IN" type construction contracts in the Metropolitan Area, including six for the Port Authority of NY and NJ.

Savin Engineers, P. C. is a New York State Professional Corporation and is authorized to practice professional engineering in the states of New York and New Jersey. Founded in 1988, Savin Engineers, P. C. is a multi-discipline consulting engineering firm encompassing an array of professional services unmatched in the industry. Our services are designed to keep pace with our clients' unique and ever-expanding needs. We offer an integrated suite of engineering, planning, design, construction, and operations services to public and private sector clients. Our experience with both institutional and corporate clients has provided us with a broad understanding of what makes projects successful. Committed to value-driven and high-quality solutions for our clients we provide engineering designs and services that result in efficient and reliable systems. Savin has provided services to public and private sector clients in the Greater New York/New Jersey Metropolitan Area, including the Port Authority. Savin has worked for the Port Authority on construction management projects almost consistently since July of 2001. This makes us well-versed in all Port Authority procedures and requirements with a minimal learning curve.

Savin Engineers has 136 employees, including 21 licensed professionals, 5 LEED Accredited professionals, 72 construction engineers/managers/ field personnel, and 38 administrative, technical and financial support personnel. We have been the prime consultant or significant sub-consultant on numerous projects in the New York/New Jersey Metro area. Clients for whom we have provided construction management services as a prime include the NYSDOT, Connecticut DOT, NYS Thruway Authority, Westchester County, Dutchess County, NYS Dormitory Authority, as well as the Port Authority of New York and New Jersey. Projects have ranged from over $150 million to under $0.5 million in construction cost.

Hudson Valley Engineering Associates is a certified Disadvantaged Business Enterprise (DBE) and a certified Women-owned Business Enterprise (WBE). HVEA is also WBE certified by PANYNJ and the City of New York. HVEA provides professional consulting services in planning, design, and construction management and inspection of infrastructure and facilities projects. Supporting both public and private sector clients, they are recognized for their ability to produce creative solutions and solve problems within the confines of economic constraints.

Haider Engineering, P. C. provides discipline consulting services and resident engineering inspection services. They retain on staff Resident Engineers, Design Engineers Office Engineers, Team Leaders, Assistant Team Leaders, Estimators, Schedulers and Inspectors (ACI, NICET Level I-IV) to carry out various engineering project assignments. They commit their full resources to ensure the successful completion of all assigned projects and are committed to providing quality construction engineering services to clients.

PROPOSED TEAM

The staff included in our proposal to provide "call-in" construction management and inspection services are

at a minimum. Additional staff are continually being identified, vetted, assessed and made available to the Port Authority as needed and as their skill sets apply. Our team of resources from Savin Engineers, P. C., Hudson Valley Engineering Associates, and Haider numbers 229 employees. They are experienced in Civil, Structural, Electrical and Mechanical Engineering. They have the education and technical expertise to perform the services outlined in the scope of work for this project, and they are readily available when necessary. Most recently, Savin Construction Management personnel assisted the Port Authority with post Superstorm Sandy cleanup efforts. At the Exchange Place, Hoboken and WTC PATH Stations, Savin employees David Post, Frank Montefusco, and Ron Novello, worked on restoration of the facilities including power, lighting and signals. The work also included restoration of power and the signal system at F and E Tunnels.

The team exceeds the RFP requirement of 10 engineers/architects licensed in the state of New York and/or New Jersey, 10 certified ACI Concrete Construction Special Inspectors, 3 ICC Certified Structural Steel and Bolting Inspectors, and 1 NACE Level 1 certified coating inspector. Most of our personnel hold multiple certifications in addition to that which is required. These include, but are not limited to, certifications in:

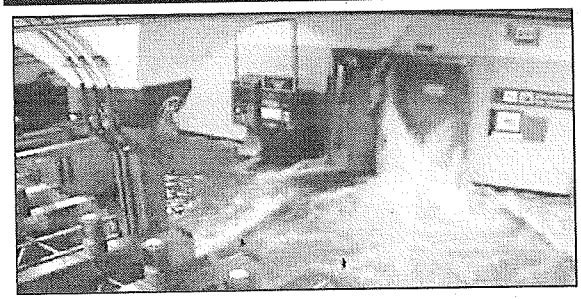
Concrete
PCB's
NICET III, IV
Asphalt
Code Enforcement

Asbestos Air Sampling
ICC Welding Special Inspector
ISO 9000
Hot Work
OSHA

Lead
Structural Welding
Masonry
HAZPOWER

Our proposed project manager, Hussein M. Elzoghby, P. E. has nearly 29 years of experience in the planning, design, and construction of transportation facilities ranging from ports to parking structures. He has been the project manager on nearly all of the many "call-in" type construction management project Savin has been involved in, including the one we are currently performing for the Port Authority. He conducts periodic site inspections, monitors staff, and implements our Quality Assurance plan. He will be the single point of contact between the Authority and Savin and will coordinate any needs of the Authority for this project.

Savin Construction Management personnel have been assisting the Port Authority with critical construction management efforts at Exchange Place, Hoboken, and WTC PATH facilities.



He has also been involved in nontraditional assignments for the Port Authority including the "Lesson Learned Initiative", post 9-11-01 WTC cleanup, concurrent delay schedule analysis at Port Newark, claims assistance for the Hackensack River Lift Bridge, and post superstorm Sandy cleanup.

CURRENT WORKLOAD

As a prime, Savin currently has only one (1) other construction management contract in in progress with the Port Authority of New York and New Jersey. This will enable us to readily staff the proposed project without stressing resources.

In summary, Savin has performed and is currently working on very similar projects and consider ourselves extremely well-suited for this project. We have had the privilege of gaining significant experience working on Port Authority projects and intend to bring that to bear on this project. We remain grateful for the experience gained on past assignments and would appreciate the opportunity to continue to be of service to the Port Authority.

Very truly yours,
SAVIN ENGINEERS, P. C.

R. Srinivasaraghavan, Ph. D., P. E.
President

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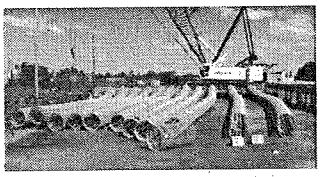
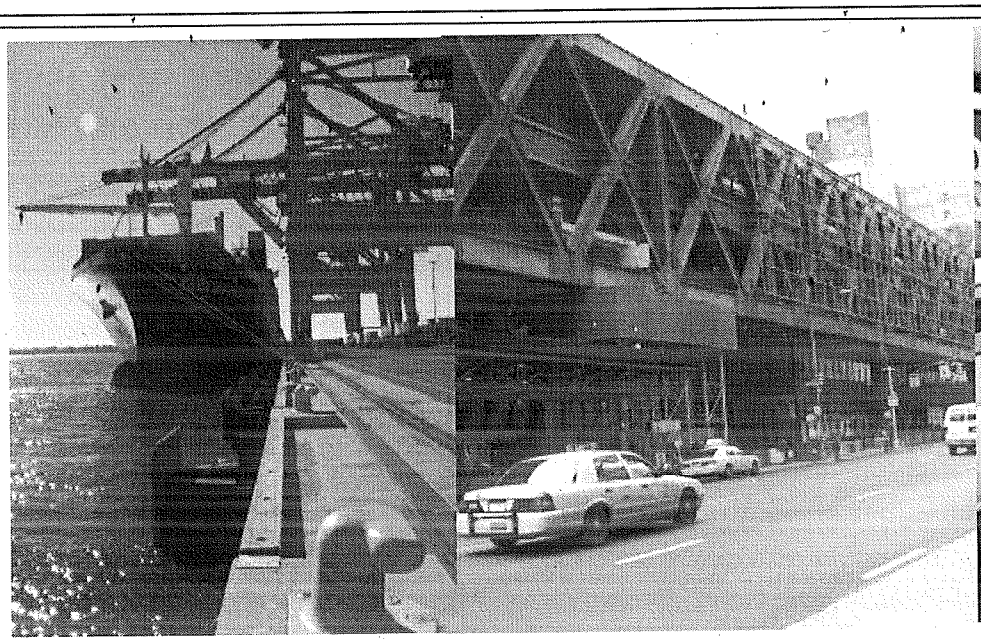




Section A: Attachment B

Section B: Attachment C – Company Profile

Section C: Transmittal Letter

Section D: Compliance with Proposer Requirements – Multiplier

Section E1: Resumes

Section E2: Hourly Rates

Section F: Experience of Firm

Section G: Management Approach

Section H: Firm Affiliates

Section I: Conflict of Interest

Section J: Standard Agreement

ATTACHMENT B

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Savin Engineers, P.C.
(Company)

(Signature)

President
(Title)

September 16, 2014
(Date)

ORIGINAL AND PHOTOCOPIES OF THIS PAGE ONLY.
DO NOT RETYPE.

ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):
   Savin Engineers, PC
2. Business Address (to receive mail for this RFP):
   3 Campus Drive
   Pleasantville, NY 10570
3. Business Telephone Number: (914) 769-3200
4. Business Fax Number: (914) 747-6686
5. Firm website: www.savinengineers.com
6. Federal Employer Identification Number (EIN): _____
7. Date (MM/DD/YYYY) Firm was Established: 7 / 21 / 1988
8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):
9. Officer or Principal of Firm and Title:
   R. Srinivasaraghavan, President
10. Name, telephone number, and email address of contact for questions:
    Hussein Elzoghby, PE, Senior Vice President
    (914) 769-3200 helzoghby@savinengineers.com
11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☒ Yes ☐ No MBE

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

THE PORT AUTHORITY OF NY & NJ

Anthony R. Coscia
Chairman

Christopher O. Ward
Executive Director

Certified

By

Office of Business & Job Opportunity

Sabin Engineers P.C.

Certificate PA ID - 890

This certificate acknowledges that the above named firm is certified as a **MINORITY BUSINESS ENTERPRISE (ARCHITECTURAL & ENGINEERING PROGRAM).** This company has met the criteria for ownership and control as established by the Port Authority Policy for Revised Minority, Woman and Small Business Enterprise (M/W/SBE) Programs, dated June 10, 1993.

This certification will remain in effect for five years from the date of notice and may be extended only upon submission by you, and acceptance by the Port Authority of a recertification application attesting that the ownership and control of the business, on which this certificate is granted, has not changed. This office must be notified within 30 days of any material changes in the business which affect ownership and control. Failure to do so may result in the revocation of this certification and/or imposition of other sanctions. Please reference the above number on all correspondence directed to this office.

Lash Green
Director
Certified: December 29, 2010

Roger J. Hsu
Manager, Certification
Scheduled Re-evaluation: December 29, 2015

Savin Engineers, P.C.

3 Campus Drive, Pleasantville, NY 10570
Tel. 914.769.3200 Fax. 914.747.6686
www.savinengineers.com

September 18, 2014

In accordance with Item C of the Submission Requirements of the Request for Proposals for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 through 2018 (RFP Number 39247), shown below is a chart demonstrating Savin Engineers, P. C. compliance with each of the "Proposer Requirements" specified in Items A and B of Section I: Proposer Requirements.

Complies with:	YES	NO
Office is located in the Greater New York/New Jersey Metropolitan Area.	●	
Office has at least 50 individuals on staff who have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area.	●	
Firm has a Certificate of Authorization to practice Professional Engineering or Architecture in the states of New York and/or New Jersey.	●	
Construction staff are experienced in the performance of one or more of the following: Civil, Structural, Electrical and Mechanical Engineering.	●	
At least ten (10) of our employees are engineers/architects licensed in the states of New York and/or New Jersey.	●	
At least ten (10) of our employees are ACI Concrete Construction Special Inspectors.	●	
At least three (3) of our employees are ICC Certified as a Structural Steel and Bolting Inspector.	●	
At least one (1) of our employees is NACE Level 1 coatings certified.	●	

Complies with:	YES	NO
Proposal is no more than 25 pages single-sided using 12 point or greater font for Letters F and G in Section 2 of the RFP.	●	
Each resume is a 2-page maximum using 12 point or greater font.	●	
Proposal pages are numbered and bound.	●	
Firm name and RFP Number 39247 is clearly indicated on the cover of the proposal.	●	
Each section of the proposal is separated with a tab divider labeled in accordance with the letter of the corresponding requirement specified in RFP Section II: Submission Requirements.	●	
Proposal is being delivered in a sealed envelope/package addressed to: The Port Authority of New York and New Jersey, 2 Montgomery Street, 3rd Floor, Jersey City, New Jersey, 07302, Attention: RFP Custodian.	●	
One (1) reproducible original and three (3) copies, along with four (4) compact disc copies have been submitted for review.	●	
The firm's full legal name without abbreviations has been used on the return address label, information on the compact disc and information on the reproducible and original copies of the proposal.	●	
Proposal is to be delivered within the specified deadline of no later than 2:00 p.m. on September 18, 2014.	●	
The outermost cover of our submittal includes the RFP Number and the RFP title.	●	

09/18/2014

Signature

Date

Title

compliance with proposer requirements: multiplier

section D

In accordance to the second and fifth lines of subparagraph 9A of the Authority's accompanying Agreement with reference to "multipliers", **Savin Engineers, P. C. multipliers are 2.14, and 2.70, respectively.**

It is comprised of the following components:

- Vacation, sick, holidays
- Medical, dental, life insurance
- Marketing
- Administration
- Rents
- Profit
- Insurance, Equipment, Supplies, etc.

Staffing Qualifications

Savin team have over 100 full time construction management staff located in the NY NJ metropolitan area, These include PE, ACI Special Inspectors, ICC Certified inspectors, NICET certified inspectors, and NACE certified inspectors.

One of the most important issues on this type of project is the quality and depth of experience of the proposed staff. The Savin Team's proposed staff includes exceptional individuals of sufficient number to be able to handle the most demanding assignments, short or long term. With over 100 field personnel located within the New York and New Jersey area, Savin offers a significant pool of Construction Management personnel to the Authority. In addition, our proposed staff has direct Port Authority experience at nearly all of its facilities. Experience includes but not limited to flood repair post flood resiliency projects such as stormwater pumping stations, flood walls and standby generator facilities. Whether it is Quality Assurance Inspection, Contract Administration, Cost estimating, or scheduling Savin staff have done it. The specific experience of key personnel is outlined in the resumes and is also summarized in the Qualifications Chart in this section.

FIGURE 2

ORGANIZATION CHART

- ✓ Defines Staff Augmentation needs
- ✓ Review/Approve Staffing
- ✓ Evaluate Firm Performance

PROJECT MANAGER
Hussein M. Elzoghby, P.E. [1]

- ✓ Single Point of Contact for PANYNJ needs
- ✓ Manages Firm Resources
- ✓ Evaluates Staff Performance
- ✓ Has extensive "Call-In" Experience

SAVIN CONSTRUCTION MANAGEMENT STAFF

Constructability Reviewers	Construction Managers	Civil/ Structural Engineers and Construction Inspectors		Electrical Engineers and Construction Inspectors	Mechanical Engineers and Construction Inspectors	Office Engineers	Contract Administrators	Schedulers/ Estimators
Hussein Elzoghby, P.E. [1]	Michael Betanzos	Tom Storrie, P.E. [1]	Kwasi John [2]	David Fredericks, P.E. [1]	Edward Conn, P.E. [1]	Laura Cavanagh	Nusreta Radoncic	Stuart Schiller
Victor Frazita, P.E. [1]	Frank Montefusco	David Han, P.E. [1]	Jason Giel [2]	Ronald Novello	Tim Cheatham, P.E. [1]	Frank Porco	Darlene Coitino	Aladin Accilien
Robert Firneis, R.A. [1]	Joe Tola	Tony Darien	Ken Odum [2]	Michael Balagula, P.E.	Mohammad Oghli	Joseph Rykowski	Lourdes James	Dean Sproch
Fernando Polletta, R.A. [1]	Nick Furtado	Magdi Iskander	Delsa Fermin	R. Keith Craven	Andrew Denniser	Tiwanda Randolph	Beth Siegenfeld	Robert Kalpin
Steve Martino, P.E. [1]	Nancy Barbera	Roshan Sidhar	Wahaj Warsi	Gary Gastiger, PE	Robert Krom	Joyce Rosado	Deidre Dennis	
Joe Fiteni, Jr., P.E. [1]	Michael Melocoton	Thomas Tanner	Hany Costandy					
	Anna Hrisomallis [4]	George Van Sant	Alex Serebrennik					
	Edward Obara [4]	David Post [2]	Mark Zaki					
		Morgan Scott	Chris Sotanski					
		Bruce Desiderio	Andrew Feldt					
		Oscar Hinkle	Doug Barillas [3]					
		John Codella	Albert Wong [3]					
		Lorraine Zeller	Michael Fradua					
		Tom D'Addio	Eric Davis [3]					
		John Franco	Venard Johnson					
		Emad Qadi [2]	James Yhap [3]					
		Muhammad Tahir [4]						

1 - Professional Engineer/Registered Architect in NY or NJ
2 - ACI Concrete Construction Special Inspector
3 - ICC Certified as Structural Steel and Bolting Inspector
4 - NACE Level 1 Coating Certified

Savin Engineers, P.C.

Hussein M. Elzoghby, P.E.

Senior Vice President/Project Manager

EDUCATION

M.E. in Civil Engineering, The Cooper Union, NY, 1986
B.E. in Civil Engineering, The Cooper Union, NY, 1985

CERTIFICATION

Professional Engineer, New York, New Jersey

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers
American Concrete Institute, Member
Tau Beta Pi
Chi Epsilon

Hussein Elzoghby serves as the single point of contact on all of Savins "Call-In" Construction Management Projects, including 6 for the Port Authority.

He plays an active role in each project ensuring highly coordinated service delivery and client satisfaction.

RELEVANT EXPERIENCE

Over 28 years of experience as Construction Manager and Structural Engineer on various projects including sewer pumping stations, roadway rehabilitation, bridge inspections, bridge rehabilitation, and other civil works. Duties included coordination with various municipalities, utilities, merchant groups and the traveling public. Presentations at public meetings, prepared flyers and notices for dissemination to interested parties, and provided QA/QC audit on all field staff.

Project Manager for On-Call Construction Management Services (MBE) for Port Authority of New York and New Jersey. Coordinate needs of Authority for construction management staff including construction managers, construction inspectors, field engineers, fire protection engineers, schedulers and cost estimators. Performed regular field monitoring and QA checks. Under this agreement Mr. Elzoghby oversaw Savin's role in the Port Authority "Lessons learned" initiative. He assisted the PA in the development of the initiative and helped establish standard questionnaires and processes for its implementation. The initiative is aimed at improving the performance of construction contracts by in-depth review of "lessons learned" from recently completed contracts. He was involved in the following projects with lessons learned initiative: Lincoln Tunnel, Contract LT-524, Red Garage at JFK, Contract JFK-134.100B and Terminal B Improvements at Newark Airport, Contract EWR-434.070

Project Manager for On-Call Construction Management Services (MBE) for Port Authority of New York and New Jersey 2004-2006. Coordinate needs of Authority for construction management staff including construction managers, construction inspectors, field engineers, fire protection engineers, schedulers and cost estimators. Performed regular field monitoring and QA checks.

Project Manager for On-Call Construction Management Services for Port Authority of New York and New Jersey 2001-2003. Coordinate needs of Authority for construction staff including construction managers, construction inspectors, field engineers, fire protection engineers, schedulers and cost estimators. Performed regular field monitoring and QA checks.

Project Manager for various "Term" or "On-Call" type agreements including:

- Port Authority "Call-In" Construction Management Services, for Teterboro Airport – 2002-2006.
- NYSDOT Region 10 On-Call Construction Inspection Services – Term Agreement. 2001-2003
- TBTA Term Agreement - Construction Inspection Services –2001-2005
- NYC Dept. Parks & Recreation On-Call Construction Management Services Throughout the Five Boroughs of New York City, 2001-2002
- New York State Thruway "On-Call", Construction Inspection Services 2006-2007
- NYSOGS – "On-Call" Engineering Services

Project Manager on Mason Island Road Bridge Replacement over Amtrak for Connecticut Department of Transportation. Work included preparation of 10" subbase and spreading 6" of class 4 bituminous concrete and another 3" of class 1 bituminous concrete. Each lift was compacted and graded according to required specifications.

Project Manager for the reconstruction of the Woodland Viaduct Bridge, Westchester County, NY. Work included complete deck replacement of concrete arch bridge, new approaches, retaining walls, erosion and sediment control, and complex maintenance and protection of traffic. Duties included coordination with Westchester County, Metro-North Railroad and local residents.

Project Manager on the reconstruction of New England Thruway. Work included preparation of daily reports, computation of quantities for unit price items, on-site material testing such as concrete slump and air entrainment tests and documentation of work progress with diagrams. Duties included QA/QC and agency coordination.

Project Manager on Long Island Expressway HOV Lane Project, Suffolk County, NY. Project involved the installation of electrical traffic signal loop wire into all Eastbound and Westbound Expressway lanes, including HOV lanes, from exits 57 to 61. Also involved was the installation of new lampposts alongside expressway, and maintenance and protection of traffic.

Project Manager on the reconstruction of Route 6. Work included replacement of superstructure of bridge, and highway widening, utilities relocation, median barrier installation and maintenance and protection of traffic.

Project Manager for Region 9 Biennial Bridge Inspection 1992-93 season. Coordination of team activities, scheduling issues, inspection reports and quality control.

Project Manager for Bronx Biennial Bridge Inspection. Coordination of team activities, safety issues, quality control and meeting production schedule requirements.

Responsible charge of all structural design of Sanitary Sewer Overflow Facilities for the New Rochelle sanitary Sewer District. Project involved the design of two 120-feet by 50-feet underground sanitary sewer overflow retention, disinfection, diversion and pumping facilities and aboveground chemical treatment, odor control and backup power facilities.

Bernard Vaughey, P.E.

Constructability Review

EDUCATION

Bachelor of Civil Engineering, Manhattan College, Riverdale, NY, 1977

LICENSE/CERTIFICATION

Professional Engineer, New York

RELEVANT EXPERIENCE

33 year construction management professional specializing in highway and bridge projects. Mr. Vaughey is knowledgeable of all aspects of NYSDOT and NYSTA requirements for construction. He held positions ranging from inspector, resident engineer and project liaison for highway and bridge projects. Mr. Vaughey was most recently Acting Division Construction Engineer for New York State Thruway Authority, New York Division.

1991-2010

New York State Thruway Authority – Mr. Vaughey has over sixteen years of professional experience working as a Construction Supervisor for NYSTA on projects on the New England Section (I-95). In Responsible Charge of the management and contract administration for construction and consultant inspection contracts worth up to $70M. Duties also included interaction with MNCRR, NYC OCMC, ConnDOT, NYSP, local utilities and local municipalities as well as review of future contracts. He was also NYSTA Liaison Engineer for some NYSDOT projects, including Division and Memorial Highway replacement over I-95 in New Rochelle, Interchange 5 reconstruction on I-287 and rehabilitation of I-287 between Exit 9 and I-95.

Some major contracts incluTANE 06-21 – concrete pavement restoration, diamond grinding, traffic data system, repairs to 4 bridges - $25.2M.

295 Concrete Arch over Hutch – New superslabs on top, shotcrete repairs under (over Hutch)

295 over Kings Highway, Mill and Fill

295 over Cross County Connector/Cedar Street – Replacement of bonded overlay

- TANE 03-27 – Rehab of I-95 bridge over Byram River - $10.6M

  Class D repairs and replacement of cap beams and class D repairs to columns
- TANE 01-56 – Thin overlay removal, pavement repairs and diamond grinding PCC-MP 7.2 to 14.1 - $5.7M.
- TANE 99-112B – Replacement of Potter Ave. over I-95/MNCRR - $9.3M

Remove old 5 span composite – replace with 3 span

- TANE 98-87B – Replacement of I-95 over Midland Ave., MP 14.1 - $6.7M
  Remove old 3 span – replace with single span.
- TANE 94-45 – Reconstruction of I-95, MP 10.8 to 13 - $42M
- TANE 92-34B – Replacement of Eastchester Creek Bridge on I-95 - $29.5M
- TANE 95-30 – Reconstruction of I-95, MP 7 to 8.8 - $30.4M - Larchmont Parking Structure – Repair ¼ w/ft miller panels – repaired remaining ¾

Mr. Vaughey also worked as Project Manager for NYSTA – As Project Manager he oversaw multiple projects with numerous subordinate project engineers as well as one Thruway engineer (CEI). Duties included:

- Review of MPT
- Review & signing Change Orders
- Spot check Contract MURK Records
- Certified pay rolls
- Daily inspection report
- Material certs
- Preparation for FHWA audits

New York State Department of Transportation, Region 8 – Construction Inspector through Engineer in Charge for numerous highway and bridge projects. Mr. Vaughey was involved in the use of and implementation of new materials and processes, including superslabs pavement for pavement repairs, microsurfacing and ultrathin asphalts.

He was involved with a number of projects throughout Westchester, Putnam and Rockland Counties. Most projects involved matching federal funds. This requires specific record keeping, testing and audits. One of the most notable projects in which he was an EIC, was the project to reconstruct I-287 from exit 9 to I-95. (D500689)

Victor J. Frazita, P.E.

Senior Engineer

EDUCATION

A.A.S - Westchester Community College, Valhalla, NY, 1975
BECE - Manhattan College, Bronx, NY, 1977

PROFESSIONAL REGISTRATION

Professional Engineer: New York #[redacted]

Victor Frazita brings overs three decades of experience to his role at Savin.

Throughout his career, Victor has established a large and broad portfolio of projects, ranging from the development of site and civil projects to final plans and specifications for rail projects.

RELEVANT EXPERIENCE

Mr. Frazita has over 30 years of civil engineering experience and has served as project manager, designer, and inspector and QA/QC Engineer for a variety of site/civil and rail projects. He has been involved in all aspects of project development including the preparation of feasibility studies, preliminary engineering reports, public presentations, and final plans and specifications. Mr. Frazita's experience includes:

Port Authority of New York and New Jersey (PANYNJ)
Project facilitator for its Lessons Learned Initiative. Obtained input from all involved parties on a construction project including but not necessarily limited to, contractor, subcontractors, facility, design division, materials division, construction management division, planning and program management subcontractors. Key individuals from each party were then interviewed utilizing a standard questionnaire in order to assess the project as well as the process. Mr. Frazita conducted a summary review meeting where key recommendations/findings were developed, and a summary report issued. Mr. Frazita was involved in the following projects under the "Lessons Learned Initiative":

Contract LT-524 0 Resurfacing of the Westbound Helix Lane 4 at the Lincoln Tunnel
Contract LT-524 was an in-house designed project that generally involved the milling and resurfacing of Lane 4 of the Westbound Helix lane ramp at the Lincoln Tunnel facility in New Jersey.

Contract JFK-134.100B JFK International Airport Red Garage
Contract JFK-134.100B was an in-house and outside consultant designed project consisting of a 5 level parking garage adjacent to the American Airline Terminal (Terminal Building 8) in the "Red Quadrant" of the John F. Kennedy International Airport in Queens, NY. The project site was constrained by adjacent roadways, structures, and the elevated Airtrain rail line.

Contract EWR-434.070 Newark Airport Terminal "B' Roadway & Drainage Improvements
Contract EWR-434.070 was an in-house and outside consultant designed project consisting of the construction of a steel and glass canopy, and replacement/widening of roadway ramps and bridges at Terminal "B" of the Newark Liberty International Airport.

Long Island Rail Road Structural Evaluation of Undergrade Bridges, Brooklyn and Queens, New York: Senior Project Engineer for the preparation of the Long Island Rail

Road (LIRR) Structural Evaluation of Undergrade Bridges Study. Fourteen (14) bridges out of twenty-three (23) existing railroad bridges along the MTA-LIRR right of way in Brooklyn and Queens have insufficient structural capacity to carry 286,000-pound freight cars under normal conditions. Under this study a testing program of eight (8) of the (14) marginally rated bridges was conducted to account for inherent redundancies not considered under AREMA guidelines and requirements to determine if their load ratings could be upgraded, or if the structures would have to be replaced.

Long Island Rail Road Plate F Clearance Study, Brooklyn and Queen, New York: Senior Project Engineer for the preparation of the Long Island Rail Road Plate F Clearance Study. This study evaluated the feasibility of operating 286,000-pound AREMA Plate F freight traffic along the MTA-LIRR right of way in Brooklyn & Queens & quantified infrastructure improvements required to facilitate Plate F rail freight traffic by:

- Performing a Plate F Clearance Envelope Survey of the ROW and identifying the location and extent of any near hits or hits against this clearance requirement.
- Developing and evaluating conceptual alternatives to eliminate the clearance obstructions identified by the survey.
- Recommending an alternative course of action to eliminate each clearance obstruction identified along with an estimated construction cost and a construction schedule.

The report identified a total $12.5 million in infrastructure improvements to eliminate the 8 locations in non-compliance with AREMA Plate F clearance requirements.

Amott Culvert Rehabilitation, Syosset, New York: Senior Project Engineer for the rehabilitation of the Long Island Rail Road (LIRR) Amott Culvert. As a result of the development of the surrounding area, the original culvert beneath the LIRR tracks had become unable to handle the stormwater flows directed to it resulting in trackside flooding. Additionally, the sluiceway conveying runoff flows from the adjacent area down the railroad embankment had become eroded and was in need of replacement. Work performed included evaluation of the 121-acre drainage basin, development of alternatives to handle the projected stormwater flows and preparation of Contract Documents for the alternate selected by the LIRR for implementation. Notable elements of the selected alternative included replacement of two (2) existing sluiceways with new stair type sluiceways, installation of approximately 370f of precast concrete trough and 800lf of 42inch diameter RCP parallel to the LIRR tracks, rehabilitation of two small culverts each consisting of twin 12-inch diameter cast iron pipes, and the jacking of a 72-inch diameter concrete pipe utilizing a 96-inch diameter casing beneath the tracks. Duties included primary point of client contact, monitoring of project schedule and budget, development of project technical requirements and preparation of contract documents.

Drainage Improvements at Four Locations at LIRR Station Locations, Long Island, New York: Project Engineer acting as the primary point of contact with the client while providing Design Services during construction for drainage improvements at 4 locations.

Robert J. Firneis, FARA, CSI, CDT, LEED AP

Constructability Review

EDUCATION

New York Institute of Technology – Bachelor of Architecture

CERTIFICATION

Architect Registration, NY, NJ, CT
Code Enforcement Official, NYS
CSI-CDT Construction Document Technologist
OSHA Outreach 10 Hour

PROFESSIONAL AFFILIATIONS

Society of American Registered Architects, S.A.R.A.; National Fire Protection Association, N.F.P.A.
International Conference of Building Officials, I.C.B.O.; Construction Specifications Institute, C.S.I.

COMPUTER LITERACY

Auto CADD, Word Perfect, Microsoft Word, Lotus, Excel, Expedition, Microsoft Project

Bob Firneis' background and training in the fields of architecture, construction management, and client administration add insight and value to the construction administration process.

This has resulted in a cumulative record of high quality performance and leadership with solid results, and customer satisfaction on his projects.

RELEVANT EXPERIENCE

Robert Firneis has over 27 years of experience as an architect. His experience, knowledge, and expertise extends to the planning, design, and construction management of complex multidisciplinary projects for both public and private clients. Having managed over $500 million of, primarily, K – 12 educational and public construction projects in New York State, Bob's experience combined with his architectural, code, and construction certifications and continuing education make him a valuable resource to Savin projects. His extensive experience in the design of structures and in the development and review of front-end specifications is invaluable in the assessment of facilities and building system components.

As a **Savin** employee for over 16 years, Bob's diversity of experience and knowledge is an asset to the company. He has been involved in facilities reviews, developing and executing five year plans and prioritizing capital projects. He has also been instrumental in analyzing and preparing space utilization studies. His diverse experience and extensive knowledge of construction techniques, building materials and their use assures client satisfaction.

Bob is responsible for the overall success of the projects assigned to him. He is responsible for setting and defining the vision and culture, managing the day-to-day operations, and ensuring all necessary resources are available to ensure project success. Responsible for all detailed tasks, he directs all job activities, develops the project plan, and manages projects schedules, budgets, and project team members. Bob's ability to manage multi-discipline staff and teams, and to efficiently provide

quality services to public and private clients is second to none. This is accomplished due to his design, program and construction management skills and experience combined with his impeccable organization and communication skills.

A representation of Bob's experience is listed below.

- ***Long Beach Public Schools*** - $98 million district wide renovations and additions at Long Beach High School and the Lido Complex; $24 million in infrastructure work due to damage by Hurricane Sandy, and $4 million to rebuild the Administration Building.

- ***North Shore Central School District*** - $19.6 million in infrastructure improvements including HVAC, roofs, security and electrical repairs and upgrades, windows and masonry work.

- ***Pelham UFSD*** - $27.6 million in additions, upgrades, renovations, repairs, and replacement projects (2004 – 2006); $24 million in renovations at the High School and elementary schools (2008 – 2010); $3.4 million in EPC projects (2008 – 2009); classroom renovations (2011 – 2012); and $750,000 for security upgrades (2014).

- ***Greenwich (CT) Public Schools*** - $34 million in capital project/infrastructure upgrades, renovations, repair and replacement projects (2005 – 2010); preconstruction services, and $5 million for CM services at all schools (2014).

- ***Scarsdale UFSD*** – $58.8 million – Middle School & High School renovations (2000); $19 million – district-wide renovations (1998).

- ***Blind Brook-Rye UFSD*** – $17 million New Middle School addition connected to High School (2002), $18 million Auditorium & Renovation to High School (2007).

- ***Tarrytown Public Schools*** - $72 million additions and renovations.

- ***Yonkers Public Schools*** – $7 million – CM services & renovations (2007); $16 million – exterior renovations/athletic field rehabilitation (2008); $12 million – masonry restoration, replacement of roof, exterior doors and windows (2009).

Fernando Polletta, R. A.

Senior Architectural Inspector

EDUCATION

University of Buffalo – Master of Architecture
University of Buffalo – B.A. Social Sciences
Westchester Community College – Certificate in Drafting

CERTIFICATION

Architect Registration, NY
OSHA Outreach 10 Hour

AFFILIATIONS

NYS AIA, Member
NCARB, Accreditation

Fernando's architectural insight, strong management skills, excellent listening skills, and flexibility has allowed him to direct numerous complex projects and develop strategies that overcome obstacles and deliver success.

RELEVANT EXPERIENCE

Fernando Polletta is a Registered Architect experienced and knowledgeable with regard to the architectural, structural, HVAC, electrical, and plumbing design and construction components of a building. He has over 20 years of experience in all phases of construction management and design of major building projects in New York State. He is familiar with the New York State Building Code.

Mr. Polletta has been responsible for the supervision of both renovation and new construction projects where he was responsible for coordinating and overseeing the project specific work and the work to be accomplished by the contractors: managing and monitoring the work progress, making sure materials and equipment are delivered to the site on time and that the work progresses on schedule, tracking and communicating progress to the Owner; identifying potential problems or delays, communicating design questions to appropriate personnel, working to minimize disruptions in the building during the construction, maintaining all documentation associated with the project; and supervising the closeout process regarding the archival of documents and transfer of project information to the client.

Mr. Polletta has provided construction management/inspection services on numerous assignments including the following:

Brooklyn Battery Parking Garage – Elevator Improvements
Providing resident engineering and inspection services for the replacement of 6 passenger elevators, including lift motors, controls, guides, cables, cabs and finishes. Prepare daily reports, monthly summaries, and field clarifications.

Westchester Medical Center, Sound Shore Medical Center and Mount Vernon Hospital.
Provided inspection services for these 3 hospitals which included inspecting

the existing construction, interior and exterior components and building systems based on overall integrity, probably useful life and the need for replacement. Project also included an analysis of potential problems that may require attention.

Poughkeepsie City School District
$17 million district wide renovation and alterations. Mr. Polletta was responsible for overseeing various renovation work including but not limited to masonry, roofing and architectural finishes for the renovation to several schools in the district. He was responsible for the preparation of daily field reports, evaluated changes orders and reviewed contractor submittals.

Yonkers Public Schools
District-wide school renovations projects totaling $37 million. Mr. Polletta oversaw various renovation work including but not limited to masonry, roofing, carpentry, building enclosure and architectural finishes for the renovation to several schools in the district. He prepared daily field reports, evaluated changes orders and reviewed contractor submittals.

Tarrytown Public Schools - District-wide school renovations and expansions project totaling $4.6 million. Mr. Polletta oversaw various renovation work including but not limited to masonry, roofing, carpentry, building enclosure and architectural finishes for the renovation to schools in the district. He prepared daily field reports, evaluated changes orders and reviewed contractor submittals.

Scarsdale Union Free School District
$58.8 million district- wide renovations and additions at the district's Middle and High schools. Mr. Polletta oversaw various renovation work including but not limited to masonry, roofing, carpentry, building enclosure and architectural finishes for the renovation to schools in the district. He prepared daily field reports, evaluated changes orders and reviewed contractor submittals.

Mount Pleasant Central School District - $24 million classroom addition, renovations of existing spaces, and site upgrades at Columbus Elementary School. Mr. Polletta oversaw various renovation work including but not limited to masonry, roofing, carpentry, building enclosure and architectural finishes for the renovation to the school. He prepared daily field reports, evaluated changes orders and reviewed contractor submittals.

Steven A. Martino, PE, LEED AP, CEM

Vice President/Electrical Engineer

EDUCATION

B.S. – Marine Engineering, United States Merchant Marine Academy, Kings Point, NY, 1988

CERTIFICATIONS

Registered Professional Engineer – NJ, NY, PA, CT, MD, DC
D.O.D. Certification Nuclear Shift Test Engineer, S6G Pressurized Water-Reactor 1990 and 1993
U.S. Coast Guard, 3rd Assistant Engineer License for Steam & Diesel Powered Vessels of Unlimited Tonnage and Horsepower Upon All Oceans; 1988 and 1993.
USGBC LEED® Accredited Professional
Association of Energy Engineers, Certified Energy Manager®

Steve Martino has decades of experience and a thorough knowledge in electrical, mechanical and plumbing engineering.

He has managed a wide range of MEP project types while at Savin and has been instrumental in building the firm's MEP portfolio.

RELEVANT EXPERIENCE

Mr. Martino is a Vice President and Business Unit Leader at Savin Engineers, responsible for all MEP work for the Company. He provides program over sight for MEP projects for the firm and ensures that the client's objectives of cost, schedule and quality are being met. Mr. Martino has extensive experience designing electrical distribution and emergency generator systems for large municipal and private clients. The projects listed below are projects that Mr. Martino worked on directly over the course of his Consulting Engineering career. Detailed relevant project experience includes:

Project Manager/Lead Electrical Investment Grade Feasibility Study for Cogeneration at the North River Wastewater Treatment Plant. Project Engineer for the feasibility and design stages of this 15MW cogeneration facility currently in the design phase. Project consists of 3MW spark ignited natural gas reciprocating engines being installed. The new engines will serve as an on-site continuous power source as well as the emergency power source, replacing existing tri-fuel direct drive engine driven pumps and blowers. Mr. Martino is responsible for the design of the engine-generators and the design management of the heat recovery, gas conditioning and exhaust gas treatment systems.

Red Hook WPCP Electrical Service and Emergency Generator Upgrade New York Power Authority (NYPA) / New York City Department of Environmental Protection (NYCDEP) Project Manager for $25M project that consisted of the complete replacement of incoming Con Edison 27KV feeders with associated 5KV distribution switchgear and the Emergency Generator system. Mr. Martino wrote the bid specifications and developed the drawings for 900RPM, 2.6 MW emergency diesel engine generators that will become a standard at NYCDEP facilities. Also responsible for technical engineering oversight, engineering personnel coordination, problem resolution, change order negotiations and coordination with client and contractors.

Coney Island WPCP Electrical Service Upgrade New York Power Authority (NYPA) / New York City Department of Environmental Protection (NYCDEP). Project manager for $18M project that consisted of complete replacement of incoming Con Edison 27 KV feeders and associated 5 KV distribution switchgears with incoming service feeders.

Created phasing plan to allow the plant to remain in operation 24/7 while existing feeders were demolished and new feeders were brought on line. Coordinated with the plant to work out a specific phasing plan to meet their needs. Responsible for technical engineering oversight, engineering personnel coordination, problem resolution, change order negotiations and coordination with client and contractors.

Newtown Creek WPCP Contract NC30E – Electrical Facilities Upgrade Electrical Project Engineer New York City Department of Environmental Protection (NYCDEP). Designed emergency generator power plant consisting of 5MW, 15KV gas turbine generators, 750KW diesel generator black start units. Designed extensive phasing sequence and electrical substation key interlocks. Produced electrical drawings and specifications for bid.

Newtown Creek WPCP Contract NC101E - Interim Emergency Generators Electrical Project Engineer / Project Manager New York City Department of Environmental Protection (NYCDEP). Designed temporary 4160V emergency power delivery system consisting of 2MW, 480V diesel generator units with associated switchgear, transformers and key interlocks. Produced all electrical drawings and specifications for bid, addendums, shop drawing review, change order preparation, and complete construction support through project closeout.

Manhattan Pumping Station Contract NC40E Electrical Upgrade Electrical Project Engineer / Project Manager New York City Department of Environmental Protection (NYCDEP). Designed permanent emergency generator power plant consisting of two (2) 5MW, 4.16KV gas turbine generators, including two (2) 750KW diesel generator black start units. Also designed a complete portable, 480V interim emergency diesel generator system consisting of three (2) 2MW units, load banks, interim switchgear, cable trucks, and two (2) 6000A manual transfer switches. Oversaw the production of electrical drawings and wrote the specifications for bidding.

New York Power Authority Project – Rikers Island Cogeneration Feasibility Study Project manager of this 15MW cogeneration feasibility study with an estimated Construction Contract value of $80M. Managed a complete energy audit and cogeneration analysis of steam, electric and fuel usage at Rikers Island. Presented findings to NYC Department of Correction and NY City Department of Citywide Administrative Services. Coordinated with Con Edison, NY to develop the interconnect details required to allow a cogeneration facility on Rikers Island to parallel with the grid as part of preliminary design and cost analysis. Provided the City with a complete feasibility study and economic analysis justifying the project.

Newark International Airport – Fuel Facility Emergency Generator Project Engineer/Project Manager Allied Aviation. Project manager and lead electrical engineer for a permanent 1750KW, 480V emergency diesel generator and emergency lighting system for main fuel farm facility, complete with key interlocks and utility interface. Duties included design, design supervision and coordination. Produced all electrical drawings and specifications for bid, addendums, shop drawing review, change order preparation, and complete construction support through project closeout.

Joseph J. Fiteni, Jr., P.E.

Vice President, Constructability Review

EDUCATION

MCE, Civil Engineering, Geology Minor, Cornell University, 1977
BS, Civil Engineering, Cornell University, 1976

PROFESSIONAL LICENSES

Professional Engineer, New York, #[redacted] 1983

PROFESSIONAL MEMBERSHIPS

American Society of Civil Engineers
Water Environment Association

Joseph Fiteni is a highly regarded professional engineer with over 30 years of experience specializing in waste management. His portfolio of experience and knowledge ranges from inspections and permitting to planning and design.

RELEVANT EXPERIENCE

Mr. Fiteni has more than 30 years of experience in management, planning, environmental studies, design, permitting, and construction inspections for major projects related to civil/site engineering, geotechnical engineering, waste management, water, and wastewater for both public and private sector clients.

PROJECT EXPERIENCE

Waste Management of New York – Review Avenue Transfer Station, Queens, New York. Project Manager for environmental and solid waste permitting, design, plans and specifications and construction inspection services for a new 2200TPD truck to rail putrescible solid waste transfer station. The transfer station will be 31,000 square foot state of the art fully enclosed odor controlled building designed to meet LEED certification requirements. Site work includes new paving, drainage and utilities on a 3 acre site, the reconstruction of an existing bulkhead, construction of on site intermodal rail loading area and use of best available control technology to manage potentially contaminated storm water.

Rhode Island Resource Recovery Corp., Central Landfill Solid Waste Tipping Facility, Johnston, Rhode Island. Principal-in-charge of the engineering design and final contract document preparation for a 4,000-ton per day, truck-to-truck solid waste transfer station. The multidisciplinary project includes project management, civil-site plan design, and architectural, electrical, mechanical, structural, and geotechnical services. The civil-site plan design work for the nine - acre site includes grading and drainage, roadways, and utilities.

Waste Management, Inc., Harlem River Yard Solid Waste Transfer Station, Bronx, New York. Program manager for the conceptual layout through the final design (including solid waste permitting) for a 5,000-tpd, truck-to-rail putrescible solid waste transfer

station. The final design included all aspects of the facility including site, grading, drainage and access roads, utility, railroad, architectural, foundation, structural, HVAC, Plumbing, electrical, odor control and fire protection. Building department permits and DEP permits were applied for and obtained CM services including coordination with general contractors were carried out.

Atlantic Waste Disposal, Inc., Atlantic Waste Disposal Landfill, Sussex County, Virginia. Project manager for the permitting, design, and construction supervision of a 7,000-tpd double composite lined sanitary landfill, and all associated civil/site development, utility and highway access improvements on the 700-acre site. The landfill design included cell construction, linear plans, detailed excavation and phasing plans, final grading and leachate management, final closure plans, groundwater monitoring, and landfill gas management.

The Mills Corp., Meadowlands Mills, Carlstadt, New Jersey. Project manager for all civil/site infrastructure, utility, and foundation design services for a 592-acre commercial retail development site within the environmentally sensitive Hackensack Meadowlands district. Site engineering included the design of over two million cubic yards of fill, erosion and sediment control, hydraulics and flood control, grading and drainage, utilities, internal roadways, and foundations for a 2.4-million-square foot mall.

New York City School Construction Authority, PS/IS 366K, Brooklyn, New York. Project manager for the design and design services during construction of civil/site, utilizes foundation and below-ground structure elements of an elementary/middle school.

New Jersey School Construction Corporation, PS 3/MS 4 Staff Parking Feasibility Study, Jersey City, New Jersey. Project manager for a feasibility study and design of a parking facility for approximately 100 faculty on a site totaling 20,000 square feet. Managing hazardous soils, environmental and land use issues, design of site/civil, geotechnical, utilities, and traffic improvements.

Harlem River Yard Ventures, Inc., Harlem River Yard Intermodal Transportation Center, Bronx, New York. Project manager for the development of a 96-acre former rail yard into a modern intermodal terminal and industrial park. Managed site planning, hazardous waste site assessments, environmental impact studies to supplement previous studies by the New York State Department of Transportation. , Design and construction management of infrastructure including civil/site, rail, utilities and waterfront.

New York City Department of Design and Construction, College Point Sports Park-Phase I, Queens, New York. Principal-in-charge of the development of a public recreational facility on 22 acres of reclaimed marshland. Phase I (five acres), includes site/civil, engineering, geotechnical, utilities, and the design of a field house.

New Rochelle WWTP Composite Performance Implementation and Plant Expansion - Project Manager for design and construction management for the expansion/upgrade.

David G. Fredericks, PE, LEED AP

Senior Electrical Engineer

EDUCATION

B.S. – Marine Engineering, United States Merchant Marine Academy, Kings Point, NY, 6/1998

CERTIFICATIONS

Registered Professional Engineer: Pennsylvania, New Jersey, New York
USGBC LEED® Accredited Professional

SKILLS

SKM Power Tools, Latest Version (Power System Study Software), Lighting Simulation and Calculation Software (Lumen Micro, Lumen Designer)

Dave Frederick's has in-depth knowledge and experience in the design of electrical systems, including service, power distribution, lighting, fire alarm, and security systems.

EXPERIENCE

Mr. Fredericks is the Lead Electrical Engineer and is responsible for the quality control and or design of all Electrical Design projects produced by Savin. Mr. Fredericks has extensive experience in completing Electrical Design and Construction projects from start to finish, including the production of drawings, specifications and providing design services during construction (RFIs, Shop Drawings, etc.). Mr. Fredericks also specializes in performing complex electrical systems analysis (Short Circuit, Relay Coordination, Arc Flash, Voltage Drop and Load Flow) using SKM powertools software.

Binghamton-Johnson City Joint Sewage Treatment Plant, Vestal, NY – Plant Restoration and Rehabilitation – BAF Facility & New DAF Plant

Electrical Engineer/Electrical Project manager for the complete electrical renovation of the BAF facility due to severe storm damage. Responsible for production of Contract Drawings and Specifications, and a condition survey of the incoming 4.8kV underground service run. Design included new work to facilitate the upgrade of the BAF facility, including transformers, relocated utility metering, 4.8kV distribution power, 480 volt distribution power, new switchgear, paralleling switchgear, generator automatic transfer switchgear, new lighting, controls and electrical back-up support for the new instrumentation and HVAC designs. Performed all power calculations and complete interface and coordination with the Power Utility (NYSEG). Also served as Electrical Engineer/Electrical Project manager for the electrical design of the new DAF facilities. Design entailed a new 4.8kV underground power run, new distribution transformers (1500 kVA each) and building distribution switchgear (480 volts and modifications to the Blower House equipment.

NYCDEP Newtown Creek WWTP Contract NC30E – Electrical Facilities Upgrade

Performed several types of power system analyses including short circuit studies, load flow calculations, voltage drop calculations and protective device coordination. Large motor starting studies were performed on new 3000 HP process air blowers to investigate the effect of large motor starts on the plant distribution system.

NYCDEP Risk and Prioritization Study
Provided conditions assessment services for 12' NYCDEP facilities. Responsible for inspecting and evaluating all electrical systems including but not limited to distribution transformers, standby generator, switchgears, moto control centers and control panels. Each element was inspected, evaluated and scored on a rating system from 1 to 5. Further analysis incorporated a risk-based approach to prioritizing repairs.

NYCDEP AWTPA-02, Bronx, NY – Carbon Addition Facilities (2012-Present)
Lead Electrical Engineer responsible for design of 5 Carbon Feed facilities located at Jamaica, 26th Ward, Bowery Bay, Hunts Point, Tallman Island and Wards Island WWTPs.

NYCDEP Hunts Point WWTP, Bronx, NY – Stabilization Project (2008-Present)
Electrical Engineer/Project Manager for $80M electrical system upgrade design of the Hunts Point Wastewater Treatment Plant (WWTP) including new 15kV electrical service entrance equipment, 5kV distribution equipment, interior and exterior lighting and lightning protection systems. Provided technical reports and detailed calculations for several types of Power System Analyses. Provided Design Services during Construction (DSDC) including coordination with the Utility, RFI responses, shop drawing review, change order preparation, construction phasing and coordination between trades.

Westchester County – New Rochelle WWTP BNR Facilities – Contract 09-514
Lead Electrical Engineer. Produced all Electrical Design Drawings covering 480V power distribution and lighting for the BNR Building, Process Control Building and Sodium Hydroxide Building including all motor controls, motor control centers, grounding and power interface with process mechanical, instrumentation and HVAC systems. Design also included extension of the fire alarm system and page/party system to these areas.

MTA – East Side Access Queens Bored Tunnel Project
Electrical Project Engineer providing design and construction services for the installation of a new interim electrical substation for boring two new tunnels under the Sunnyside Train Yard. Design included new 26.4kV service switchgear (34kV rated), new 6MVA liquid filled transformers, and new 13.2kV switchgear. Engineering services also included performance of a site-wide short circuit and device protection study including equipment evaluation and recommended protective device setting development.

Port Authority NY/NJ – World Trade Center complex Power System Study
Provided engineering services related to the development of a short circuit and device coordination study for the World Trade Center Tower One. Scope of study included Con Edison service down to 208V panelboards throughout Tower One and included service equipment at the Memorial site, Transportation Hub and Central Chiller Plant. Scope of equipment included medium voltage (13.8kV) service entrance rated switchgear lineups,feeder 13.8kV-480V spot networks, 480V fused distribution switchboards, 2500kVA 480V generators and associated distribution switchgear, and 480V and low voltage panelboards. Engineering services also included protective device coordination study including equipment evaluation and recommended protective device setting development.

Edward Patrick Conn, P.E.

Senior Mechanical Engineer

EDUCATION

B.S. – Mechanical Engineering, Rutgers University – College of Engineering, Piscataway, NJ, May 1997

CERTIFICATIONS

Registered Professional Engineer: New Jersey, New York

PROFESSIONAL AFFILIATIONS

Member of the American Society of Heating, Refrigerating, Air-Conditioning Engineers
Member of New Jersey Chapter of the US Green Building Council
Advisory Group Member for the production of Rutgers University's "NJ Green Remodeling Guidelines".
Successful completion of The Dale Carnegie Course ®, Presented with the "Highest Award of Achievement" as voted by classmates, February 2006

SKILLS

Computer Aided Drafting – AutoCad 2005
Heating and Air Conditioning Calculations, Carrier - Hourly Analysis Program, Ver. 4.4
Microsoft Office

Ed Conn takes the lead on all Savin mechanical projects. His expertise in the design of a wide range of mechanical projects and his thorough knowledge of technical criteria, standards, and codes and how they apply to the design and construction of mechanical systems makes him a key member of Savin's MEP team.

EXPERIENCE

Mr. Conn is the Lead Mechanical Engineer and is responsible for the quality control and or design of all Mechanical Design projects produced by Savin. Mr. Conn has extensive experience in completing Mechanical Design and Construction projects from start to finish, including the production of drawings, specifications and providing design services during construction (RFIs, Shop Drawings, etc.). Mr. Conn specializes in large industrial HVAC system design.

Philadelphia Water Department (PWD) Baxter WTP – Ammonia System Improvements
Lead Mechanical Engineer responsible for the HVAC and plumbing designs associated with the modifications to the existing ammonia feed system and the construction of new underground, chemical storage/pumping vault. Design included heating and ventilation for the pump room and storage room, domestic hot water for combination eyewash/showers, PVC water piping and heat tracing. Responsibilities involved heating, ventilation and domestic hot water calculations, equipment selections, duct and piping layouts, cost estimation, bid document production including drawings and specifications, and inter-discipline coordination.

Westchester County – New Rochelle WWTP BNR Facilities – Contract 09-514 (2010)
Served as Lead Mechanical Engineer for Savin Engineers. Produce all of the Mechanical Design drawings covering heating, ventilation, and cooling design for the BNR building,

Process Control Building and Sodium Hydroxide Building.

New York Power Authority – Bronx Community College, Bronx, NY
Served as Project Manager/Mechanical Engineer. Performed site survey of existing central hot water boiler plant and its distribution system and provided existing energy usage calculations. Developed feasibility report regarding possible upgrade of the central boiler plant and the creation of a new campus central chiller plant. The options of high pressure steam versus medium temperature hot water heating systems were investigated and compared for advantages/disadvantages and construction costs. Performed Life Cycle Cost Analysis for recommended building upgrades including central heating and cooling systems, in which the estimated annual electricity and gas usage were calculated to determine the payback period from the proposed construction cost estimates.

NYCDEP Hunts Point WPCP, Bronx, NY – Stabilization Project (2008)
Lead HVAC Engineer responsible for construction support services of both Phase I and II portions of the design, whose HVAC construction contracts total $27 million. Responsibilities included shop drawing review, requests for information, contractor-engineer coordination, on-site inspections, and change order preparation, which involved the design of an additional $1 million due to scope changes and field conditions. Design of Phase III is ongoing, including design of new, upgraded heating and ventilation to new egg-shaped digester facility and existing thickener area. Both areas will be provided with a heat recovery system totaling 114,000 cfm and 160,000 cfm respectively. Hot water will be provided from the 5-750HP dual fuel boilers designed and installed in a previous phase.

NYC DEP - Catskill & Delaware Water Treatment Ultra Violet Disinfection Facility, Contract CAT-210
Served as Project Manager and HVAC Designer for large Ultra Violet (UV) Disinfection Facility. The facility, rated for 2,020MGD, provides New York City with up to 90% of the nearly two billion gallons of water consumed daily. Project responsibilities include value engineering participation, inter-discipline coordination, cost estimating, applications for permits, assistance in bidding, and direct supervision of three (3) HVAC designers. Highlights of the design include the following:

- Design of a hot water boiler plant with (3) 300 HP boilers divided into three primary zones.
- Desiccant dehumidification (humidity control) systems serving the main pipe galleries totaling 124,000 CFM with a spare unit and complex interconnecting ductwork for redundancy.
- Utilizing plant raw water to provide approximately 500 tons of "free cooling" to numerous air conditioning units through a three loop, stainless steel heat exchanger system. Entire system equipped with redundant pumps, heat exchangers and piping to prevent system failure.
- A dedicated smoke removal system sized to serve approximately 1.6M CF of space in the main UV piping gallery

Timothy Cheatham, P.E.

Associate

EDUCATION

B.E., Civil Engineering, Cooper Union, 2001
M.E., Environmental Engineering, Manhattan College, 2007

PROFESSIONAL LICENSE

Registered Professional Engineer, New York/2006/[redacted]
Registered Professional Engineer, New Jersey/2011/[redacted]

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers

Tim Cheatham is an innovate design engineer providing practical solutions for unique projects often times with challenging constraints.

His strong work ethic combined with his commitment to excellence in all projects undertaken results in high quality work and client satisfaction.

RELEVANT EXPERIENCE

Mr. Cheatham has over 13 years of professional experience in the areas of Environmental, Structural, and Civil Engineering. Mr. Cheatham has designed numerous water and wastewater facilities. These have ranged from 25 gpm facilities to 2 bgd facilities. All designs comply with local building codes and the GLUMRB "Ten States" standards for water and wastewater facilities. He has also performed numerous inspections of existing facilities for structural and mechanical deficiencies. His current assignment: Dissolved Air Floatation Thickener. Westchester County DPW. Contact Leah Radko, PE, (914) 995-2471. Estimated completion date, Summer 2015. 60% of time.

Repair Construction and Rehabilitation of the Little Dam Lake Dam, New York. Project Engineer. All permitting for this project including the preparation of a NYSDEC/ACOE joint application. As part of this application a mitigation plan for the Northern Cricket Frog (a NYSDEC endangered species) was prepared.

Design Engineer for Route 9G Connection for Dutchess County Water and Wastewater Authority. Construction of approximately 7,500 linear feet of new water distribution mains within an existing system to connect existing piping terminations and improve system redundancy and pressure distribution. Piping was ductile iron and varied in size from 6" to 16" diameter. Specific elements designed included upgrade and calibration of the existing water distribution system hydraulic model, use of the model to evaluate several alternative piping configurations and sizing alternatives, preparation of the Storm Water Pollution Prevention Plan, and preparation and coordination of permitting documents for regulatory agency review.

Design Engineer for Replace Water Tank and Replace Water Main at the Otisville Correctional Facility for NYS Office of General Services, Department of Correctional Services. Construction of a new water storage tank, the construction of new supply force mains and distribution water mains to connect to the existing distribution network, the installation of several pressure reducing valves throughout the existing network, the demolition of the existing water storage tank, and the remediation of lead and asbestos contaminated soils. Specific elements designed include a new storage tank

and appurtenances, storage tank foundation, temporary site access road, soil erosion and sediment control measures, and the preparation of a detailed Storm Water Pollution Prevention Plan (SWPPP) in accordance with NYSDEC GP-02-01. Construction details and requirements were coordinated with DOCS security requirements.

Hydraulic Model for the Staatsburgh Water System, New York. Project Engineer for the development of a hydraulic model for the water distribution system, including pumps, storage tanks, piping and pressure reducing valves. Project included analyses of different flow conditions as well as field testing to calibrate model.

Design Engineer for Westlake Trunk Sewer Rehabilitation for Westchester County Department of Public Works. Rehabilitation of approximately 2,400 linear feet of 12-inch diameter ACP and RCP gravity sewer pipe and approximately a dozen manholes to reduce infiltration and inflow into the sanitary sewer system. Rehabilitation included cured-in-place-pipelining, grout injection and manhole frame and cover replacement. Specific elements designed include the CIPP lining system, sealing of manhole risers by grout injection, installation of manhole frames and covers, and maintenance and protection of traffic measures. The project site was located within the New York City public water supply watershed and additional environmental controls were required due to the sensitive location.

Design Engineer for Catskill / Delaware Water Treatment Ultraviolet Light Disinfection Facility for New York City Department of Environmental Protection. Construction of the world's largest ultraviolet (UV) light drinking water disinfection facility with an ultimate capacity greater than 2 billion gallons of treated water per day. Design included an approximate 2-acre footprint disinfection building with 56 UV disinfection units, connections to the existing aqueducts, energy dissipating chambers, valve chambers and flow meter chambers. Specific elements designed included all structural work for a below-grade, 65-feet by 40-feet flow meter chamber and a below-grade, 120-feet by 25-feet valve chamber. Additional elements designed included structural steel framing including columns, beams, and bracing members, to support aluminum access grating for a number of structures at the site, including access to all 56 UV disinfection units. All design was completed in accordance with current ACI and AISC codes.

Design Engineer for Central Dutchess Water Transmission Line for the Dutchess County Water & Wastewater Authority. Design of approximately 70,000 linear feet of ductile iron water transmission line, including seven bored and jacked NYSDOT Highway, MTA railroad and stream crossings, and a 5,000 square foot pumping station. Specific elements designed include pipeline alignment, valves, hydrants, water meters and backflow prevention, road and minor stream crossings, thrust restraint, corrosion protection and all structural work associated with valve and water meter vaults, including foundations, walls and roof beams and slabs. Coordinated design of pumping station with pipeline. Also designed all erosion and sediment controls and prepared the Storm Water Pollution Prevention Plan (SWPPP). All design was performed in accordance with current AWWA, Ten States and ACI standards and code

David Han, P.E.

Structural Engineer

EDUCATION

Bachelor of Engineering in Civil Engineering - Stevens Institute of Technology, Hoboken, NJ, 2008

CERTIFICATIONS

Registered Professional Engineer: New York

ACTIVITIES

American Society of Civil Engineers
American Institute of Steel Construction

David Han brings his considerable skills, knowledge, and experience in structural design to Savin clients.

RELEVANT EXPERIENCE

Structural Engineer - Responsibilities include work on numerous water, wastewater and building projects. All design work was in accordance with the New York State Building Code, New York City Building Code, including the appropriate seismic provisions, AISC Manual, and ACI Codes.

North River Water Pollution Control Plant – Cogeneration Design. Performed structural analysis of an existing steel framed, reinforced concrete structure to determine the maximum allowable loading in order to support new equipment associated with new pumps, motors and engines. Completed preliminary structural design of additional steel framing to an existing floor to support new motors.

New Rochelle Wastewater Treatment Plant – Upgrade and Expansion. Detailed structural design of all reinforced concrete and precast concrete components associated with the new BAF facility. This included N-Unit structures, DN-Unit structure, intermediate pumping state structure, UV Facility structure and NaOH structure. All structures were designed in accordance with ACI-350 - 2006.

Green Haven Correctional Facility, Wastewater Treatment and Water System Improvements, NYSOGS. Design services for improvements to the existing wastewater treatment plant and the water distribution system at the Green Haven Correctional Facility. The approximate 300,000 gallon per day wastewater facility includes preliminary screening, followed by extended detention in an aerated lagoon and ultraviolet light disinfection. The water system includes several pumped wells, a softening plant, storage tanks and a booster pumping station.

Westchester County Asset Management Program. Performed inspection of 19 pumping stations and five wastewater treatment plants to identify structural deficiencies in the steel and concrete facilities. The inspections included visual observation and sounding of concrete elements. All inspections were conducted in accordance with ACI inspection standards. The facilities inspected included:

Below-grade tanks – grit removal, primary and secondary sedimentation, aeration, and disinfection.

- Above-grade tanks – sludge thickeners, primary and secondary digesters.
  Superstructures – process buildings, administration buildings, pump stations.

Inspections included identifying corrosion, cracks, section loss, misalignment, and other elements in need of repair. The repair of the deficient elements was prioritized based on risk of failure.

Canastota CSO Facilities, Canastota, New York. Detailed structural design of a timber pile supported, reinforced concrete Headworks Building and a steel H-pile supported reinforced concrete foundation for a glass lined CSO storage tank with an approximate capacity of 750,000 gallons.

Pleasantville Alum Plant – Caustic Soda Storage and Feed System. Structural design of reinforced concrete foundation associated with a new caustic soda containment building for the New York City Department of Environmental Protection.

Wards Island Water Pollution Control Plant – Concrete Evaluation. Performed concrete evaluations of multiple aeration tanks and grit chambers at Wards Island.

- Visual inspection and documentation of structural deficiencies.
- Utilized the Windsor Pin System to test for compressive strength of concrete.

New Rochelle Wastewater Treatment Plant – Upgrade and Expansion. Structural design of concrete and steel elements.

- Design of a multi-story steel framed building.
- Design of multiple new concrete structures (tanks, retaining walls, foundations) as well as rehabilitation and retrofitting of existing concrete structures.

Structural Engineer, Replace Water Tank and Replace Water Main at the Otisville Correctional Facility for NYS Office of General Services, Department of Correctional Services. Project involved the construction of a new water storage tank, the construction of new supply force mains and distribution water mains to connect to the existing distribution network, the installation of several pressure reducing valves throughout the existing network, the demolition of the existing water storage tank and the remediation of lead and asbestos contaminated soils.

Siphon Chamber Walkway Restoration. Performed field inspections and condition assessments for multiple siphon chambers.

- Inspections consisted of sounding of concrete elements, visual documentation of cracks, exposed reinforcing steel and areas of structural deficiency.

Catskill / Delaware Water Treatment Ultraviolet Light Disinfection Facility. Structural design of concrete elements (columns, beams, roof beams, structural slabs).

Thomas W. Storrie, P.E.

Senior Structural Engineer

EDUCATION

BSCE - Cornell University, 1971

PROFESSIONAL REGISTRATIONS

Professional Engineer: New York, Michigan, Ohio, Missouri, Maryland, Delaware, Virginia, District of Columbia, Massachusetts

PROFESSIONAL MEMBERSHIPS

ACI - American Concrete Institute
AISC - American Institute of Steel Construction
SEAoNY - Structural Engineers Association of New York

Tom Storrie has displayed his extensive skills in a wide range of settings, providing design and project management services for municipal,

RELEVANT EXPERIENCE

Responsible for the engineering design of complex projects which, includes planning, engineering design, coordination, cost estimates, bidding supervision and construction management. Preparation of the contract documents which includes the advertisement, information to bidders, special conditions, bid items, payment items, technical specifications and design drawings.

Technical expertise includes: structural engineering, civil engineering, geotechnical engineering, building design, design-build, value engineering, and code reviews. Responsible for the detailed technical reviews, value engineering workshops and code reviews of completed design material, geotechnical evaluations and design and coordination of soil borings and laboratory analysis programs. Design of shallow foundations, mat foundations, deep foundations and uplift foundations. Structural analysis and design – Steel, reinforced concrete, wood and aluminum.
Material and coating selection – evaluation of environments relative to protective coating of materials. Code review and conformance analysis. Project management and construction administration. Schematic design, design development, programming, planning & feasibility studies. Project cost estimating.

ELECTRICAL SUBSTATIONS

Responsible for the structural and foundation design of electrical substations, related buildings and facilities. Responsible for the development of the subsurface investigation programs, coordination, drawing development, preparation of specifications and contract documents, shop drawing review and construction supervision. Responsible for studies to evaluate and analyze existing electrical substations and related facilities. Supervision of designs to implement the necessary rehabilitations, modifications and expansion activities.

Madison Wind Energy Project, Electrical Substation, Madison, NY
Fenner Wind Energy Project, Electrical Substation, Madison County, NY
Noble Wind Energy Project, Two Electrical Substations, Clinton County, NY
Salamanca Frank Street Electrical Substation addition with secondary containment for two 10MVA transformers, Salamanca, NY

Akwesasne Mohawk Casino 34.5 kV substation with secondary containment and firewall for two 7.5 MVA transformers. St. Regis Mohawk Tribe Akwesasne, New York
Rockville Centre 34.5 kV distribution substation with secondary containment and firewall for two 12 MVA transformers
Long Island Power Authority 34.5 kV ring bus substation, Long Island, NY. 34.5 kV substation with secondary containment for one 5.0 MVA transformer, Brocton, NY
Ithaca College 34.5 kV substation with two 7.5 MVA transformers and secondary oil containment, Ithaca, NY
Lockheed Martin 115,000 V substation with 4-115 kV breakers, 2-7.5 MVA transformers, secondary containment, firewall, Liverpool, NY
Hamilton 10,500 kVA expansion to Village's 46 kV substation, Village of Hamilton, NY
Watkins Glen 34.5/2.4 kV, 5 MVA substation, Village of Watkins Glen, NY
Wellsville 6250 kVA addition to Village's State Street Substation, tie breaker installation, including protective relaying and voltage regulator modification for Village's 115: 34.5 kV supply substation, Village of Wellsville, NY
Westfield 34.5/4.8 kV, 16 MVA substation and modifications to existing 115 kV and 34.5 kV substations, Village of Westfield, NY
Salamanca 115 kV, 18 MVA, low profile substation, City of Salamanca, NY
Bristol-Myers Squibb 38 kV, 28 MVA substation with 38 kV ring bus, Barceloneta, Puerto Rico
ABB Power T&D 138 kV, 180 MVA substation

TELECOMMUNICATION FACILITIES
Responsible for the structural and foundation design of towers, electrical buildings and related facilities for telecommunication facilities. Development of subsurface investigation programs, design drawings, specifications and contract documents.

Tower Foundations Verona-Oneida East, NY
Baldwinsville, NY
Hawleyville, CT
Stamford, CT
Empire, NY
North Syracuse Water Tank, NY
Brewerton Water Tank, NY
Time Warner Syracuse, NY
Avon Mt. (guyed tower), CT
Wilton (self supporting towers), CT
Greenwich (self supporting tower), CT
Middlebury (self supporting tower), CT
West Rock Ridge (self supporting tower), CT
North Medical Center, NY
New Canan, CT
Bridgeport, CT
Woodland, CT

Delsa Fermin

Construction Inspector

EDUCATION

Masters of Science in Construction Management, Polytech University, 2010

Civil Engineering, Pontificie Universidad Catolica Madre y Maestra (PUCMM) Santiago, Dominican Republic, 2001

CERTIFICATION

ACI Special Inspector

Scaffold UserTraining, OSHA 10 hr, OSHA 30 hr, Confined Space awareness

COMPUTER SKILLS

Microsoft Excel, Microsoft Word, Microsoft Power Point, AutoCad, Primavera – P6

Delsa Fermin Has a detailed working knowledge of all phases of construction management.

RELEVANT EXPERIENCE

Paerdegat Basin CSO

Civil Engineer/Inspector. Assist with construction management for DEP (Department of Environmental Protection) on Paerdegat CSO Project - Project included the construction of a waste water channel. Ms. Fermin's daily responsibilities in the field included the inspection of: Excavation, forms works, concrete placement, installation of reinforcement, backfilling for road construction, construction of road ways including sub-grade to asphalt finish and landscaping. Her responsibilities in the office were to inspect and coordinate with DEP throughout the project, from the onset of design, through the construction and finish work to maintain quality standards while maintaining a mandated schedule deadlines review. In addition, she was responsible for negotiation and coordination of any RFI / COR submissions from the General Contractor. Throughout the day additional responsibilities included monitoring of daily work activities throughout the project to maintain safety standards as outlined by the DEP, DOB and OSHA 1910 / 1926 regulation standards.

Professional Contractors, Inc.

Project Management. Assist with construction management responsibilities for retail store and office suite remodel projects. Duties included reviewing of blue prints for overlay conflicts between disciplines, site visits for quality control and problem solving, project turn over and generating of punch list for clients.

BP& Associates Santiago, Dominican Republic. Supervising Engineer. Project management and supervision of residential and commercial projects. New construction for private residence and apartment complexes (general construction).

- Design solid waste removal system for land development projects.
- Project management for the installation of solid waste removal plumbing. Trouble shoot as required per field conditions to complete project at hand.

Marte Castillo Construction Co., Santiago, Dominican Republic
Supervising Engineer

- Project management and supervision of streets, curbs, gutters and sidewalks.
- Project management and supervision of waste and supply water systems to ready location for the general construction of residential dwellings.
- Project management and supervision of residential and commercial projects. New construction for private residence and apartment complexes (general construction).
- Completion of company payroll process for the projects directly supervised by writer.

Caraasan, Santiago, Dominican Republic
Project Manager/Superintendent

- Design solid waste removal system for land development projects.
- Project management for the installation of solid waste removal plumbing. Trouble shoot as required per field conditions to complete project at hand.

Ken C. Odum

Construction Inspector

EDUCATION

University of Turku, Turku, Finland
Master of Science in Geology, 1995

CERTIFICATIONS/TRAINING

Masonry Design and Construction Training - 2010
Asphalt Institute - Hot Mix Asphalt Training - 2009
ACI Training, Repair of Concrete Bridges, Parking Decks, and Other Transportation Structures - 2008
ACI, Concrete Reinforcement and Concrete Repair Inspection for Transportation Structures - 2006
Structural Steel and Bolting Inspection - 2009
Masonry Society - Special Inspection of Structural Masonry - 2009
OSHA 10 hour Construction Safety- 2008
ACI 1 - Concrete Field Testing
ACI Special Inspector
NYS Certified Asbestos Inspector
NYS Certified Project Monitor
NYS Certified Asbestos Air Sampling Technician
NYS Certified Asbestos Project Designer
NYC Certified Site Safety Manager
Lead Inspector/Risk Assessor

Ken Odum has extensive experience in providing inspection service to the Port Authority of New York and New Jersey.

His familiarity with Port Authority processes and facilities is an asset.

RELEVANT EXPERIENCE

Construction Inspector – Port Authority of New York and New Jersey – Inspected and desk audited various port projects including:

Port Street and Brewster Road Connector.
New Jersey Marine Terminal Marine Rehabilitation.
New Jersey Marine Terminal Immediate repairs via Work Order.
New Jersey Marine Terminal Paving and Utility Via Work Order.
New Jersey Marine Terminal Multi-Facility Fender System Rehabilitation Via Work Order.
PN - 654.089 Maintenance dredging (Port Newark, Berths 18, 20 & 22)
MFP - 654.058A Maintenance dreging Port Newark and Elizabeth
MFP - 654 .126 NJMT Pavement and utility via work order
MFP - 954.701 NJMT Concrete roadway rehabilitation
MF - 100.538 NJMT Phase 111 CCTV camera system
MFP - 654.073 NJMT Priority marine rehabilitation via work order
MFP - 654.125 NJMT Asbestos and Lead abatement via work order

Mr. Odums responsibilities include:

- Multi-Facility maintenance dredging and berth deepening

Port Newark container terminal berth deepening
- Paving and utilities at 1300& 2200 series
- Water main replacement at Maracaibo and Calcutta Streets
- Installation of marine terminal emergency warning system
- WTC emergency clean-up, steel removal operations and by weeks marine

Tyler Street railroad track upgrade.
- Berths 2 through 36 wharf repairs (PN354.034)
  - Replace timber line and interior pile
  - Replace timber pile with post and concrete extension from pile cap to mud line
  - Clean and wrap timber piles
  - Clean and patch spalled concrete pile caps, deck soffit etc.
  - Install concrete jackets, replace broken or missing bollards, utility box covers and cleats
- Asbestos and lead abatement via work order (MFP 234.034)
- Replacement of water meters (MFP 954.566)
- Demolition of buildings 102, 110, 190, & 321 (PN 924.565)
- Building demolitions and construction of expressrail tracks 9 & 10
- Expressrail Elizabeth administration building (EP 384.060)
- Multi-facility fender system repairs via work order (MFP 954.911)
- Multi-facility wharf rehabilitation/reconstruction via work order (MFP 994.580)
- Immediate repairs (MFP 100.533)

Inspector
- Construction management, for asbestos remediation, Queens midtown tunnel including, soil and water sampling and indoor air quality survey

Field Geologist
- Gravel and bedrock deposit field studies, including diamond drilling for road usage.
- Soil – Moisture content studies using Troxler

Field Geologist
- Mining Supervisor, involved in studying soil and rock characteristics and advised on best mining methods

Exploration Geologist
- Worked with team of geologist exploring and drilling for gold

Wahaj Warsi

Construction Inspector

EDUCATION

B.S. in Civil Engineering - NED University of Engineering & Technology, Karachi, Pakistan, 1981
Diploma PC LAN Engineer – Prime Tech Institute, Toronto, 1998

CERTIFICATION & TRAINING

ACI Concrete Field Testing Technician Grade 1 Cert. # [redacted]
ACI Concrete Construction Special Inspector 2 Cert. # [redacted]
Structural Steel and Bolting Inspection (completed course work)
Structural Welding Inspection (completed course work)
HOT WORK PERMIT, PAI (Permit Authorizing Individual)
8 Hour HAZPOWER, Refresher Course
40 Hour HAZWOPER
Confined Space Entry
Q/C Resources Training Course
OSHA 10-Hr Construction Safety and Health Course
Work Zone Safety Awareness

Wahaj Warsi brings a wealth of experience in civil engineering, civil inspections, and project management.

RELEVANT EXPERIENCE

Civil Inspector – DDC Rehabilitation Project, Brooklyn, NY. $20 Million Rehabilitation Project of sidewalks which covers all of the five boroughs. Rehabilitation of sidewalks, driveways, milling and paving in order to match the existing grade with the catch basins of catch basins. Responsible for the construction inspection for conformance with the plans and specifications, and reports any deviations to the Resident Engineer. Prepare and maintain daily construction inspection reports, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain payment records, including the verification of the Contractor's time and material sheets, and assist in the review of the Contractor's partial payment requests. Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Coordinate with the contractor towards the preparation of the CPM schedule. Monitor contractor's work progress based upon his approved construction schedule and report any deviation. Perform all other inspection and field duties as required by the Resident Engineer.

Civil Inspector – Techno Consult, Inc., Princeton NJ - $1.5 billion Newtown Creek Wastewater Treatment Plant, NY. Completion of significant upgrades to the structures and systems that treat wastewater from a combined sewage treatment system. Some of the project elements included improvements to the plant bar screens, electrical, plumbing, HVAC, and controls and instrumentation upgrades, new screening and control buildings, new barge facilities and site work. The plant was undergoing a major capital improvement and upgrade program to expand its intended capacity from 1.2 to

1.8 cubic meters per day – a 50% increase. Responsible for the construction inspection for conformance with the plans and specifications; prepare and maintain daily construction inspection reports; maintain payment records, maintain as-built drawings including any deviations from the contract drawings or approved shop drawings and monitor contractor's work progress based upon his approved construction schedule and report any deviation.

Civil Inspector/Cost Engineer - $155 million Delaware Aqueduct Rehabilitation of Shafts 9, 10 & 18 for NYCDEP, Carmel/Kent, New York. Replacement of all existing sluice gates and operators and various other systems and components including but not limited to: screens, feed systems, scrubbers, emergency generator, sewage pumps, and potable water system. Remediation of hazardous materials including lead paint, asbestos, mercury, and PCBs. Also responsible for checking and reviewing certified payroll, prevailing wages and daily report with the Inspector's Reports and for the supervision and inspection of structural steel, placing and splicing of rebar, quality and quantities of reinforced concrete in compliance of project specification; storm water and sewer water pipes (gravity & force main) inverts and elevations of distribution network containing of pump stations man holes and cleanouts. Supervision in storm water prevention protection plan, supervision of site safety and assure local and state regulation, assisting Deputy Resident Engineer, interfacing both, site main office and field office. Also responsible for keeping track of scope of work, machinery, man power and T&M items, supervision of demolition work and disposal of debris according to city and state regulation.

Construction Inspector – Rehabilitation of Betsy Ross and Commodore Barry Bridges – Delaware River Port Authority, Maple Shade, New Jersey. Responsibilities included performing construction inspection for conformance with the plans and specifications, comprises removal of defective bearing stiffener/plates made of soft metals for main columns, purlins, under deck repair work using special type of the boom lift, truss railing repair work, studs replacement, jacking bridge to desired height in order to replace the main bearing plates, localize paint removal, excavation, embankment, erosion control, landscaping, seeding & sod, planting, hot mix asphalt pavement, traffic control on Authority Roadway, disposal of hazards material as per city & state regulations and report any deviations to the Resident Engineer. Prepare and maintain daily construction inspection reports, which shall indicate the Contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information related to the execution of the work. Maintain and update shop-drawing log; coordinate with the field and the design team to resolve conflicts in the drawings; review contractor's Monthly Requisition to conform the percentage completion of pay items. Coordinate with contractor and the Maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings. Perform all other inspections and field duties as required by the Resident Engineer.

David Post

Civil/Structural Construction Inspector

EDUCATION

Associate Degree in Civil Engineering Technology – I.C.S. Center for Degree Studies, Scranton, PA
Butler High School, Butler NJ

SKILLS & AFFILIATIONS

Auto Cad R14 (Sussex Vo-tech Certified Auto Cad course (1994)
OSHA, BOCA and MESHA Codes
The Construction supervisor Building Contractors Assoc, NY
ACI Certified Special Inspector

David Post has successfully provided construction inspection, project management, and civil engineering services for public and private clients, including the Port Authority.

RELEVANT EXPERIENCE

David Post of Savin Engineers was recently promoted to a supervisory role for all night operations on various construction contracts at the Port Authority's PATH facilities. Mr. Post has over 24 years of experience in construction management and inspection and has been working on PANYNJ projects for over 5 years. His experience includes train station construction work as well as a variety of buildings types. He is an ACI Certified Special Inspector.

Construction Management Term Agreement, PANYNJ – Responsibilities included:

- Supervise, direct and provide technical support for Electrical Contractors on Homeland Security construction projects located throughout the entire PATH train station and tunnel system.
- Provide coordination between related PATH construction projects.
- Supervise work train movements and placement by coordinating with the contractor and providing direction to the assigned train crew.
- Coordinate tunnel and train station construction work with various PATH personnel (Train Masters, Power Rail Men, Communications Department, Signal Department, Yard Masters, Dispatchers, Surveyors, other EIC's)
- Provide Assistant Resident Engineer with written reports (Spreadsheet format) and mark-up pictorial reports of project progress and deficiencies.
- Evaluate and mark-up monthly Payment Requisitions.
- Evaluate submittal logs.
- Provide electrical inspection of contract work performed.

Project Manager – Chrisdon Homes, Inc. – Chrisdon Homes is a general contracting company specializing in construction of pre-fab homes in the $200K to $800K price range. As Project Manager, his responsibilities include:

Site preparation and foundation design
- Subcontractor negotiations
- Building construction operations
- Material procurement and scheduling
- Specification and Contract Compliance
- Final Inspections

Project Manager – RSA Enterprises, Inc. – RSA is a construction management company specializing in commercial and residential projects in the 1 to 20 million dollar range. Project manager for a $2.5 million project at a prestigious New Jersey Golf and Country Club and a $2.1 million jewelry center. Responsibilities included:

- Budget estimated
- Project scheduling
- Site preparation
- Customer relations
- Building construction operations
- Subcontractor negotiations
- Material procurement and scheduling
- ADA compliance
- Change orders-formulation and negotiation
- Specification and contract compliance
- Final inspections

Construction Engineer & Lead Designer – Worked as group lead designer and construction engineer for projects in the 1 to 60 million dollar range, for power plants, mining and quarry operations. Designed bulk material, handling conveyors, steel and concrete structures and g.a.'s with design teams of 5 to 25 employees.

Kwasi John

Senior Construction Inspector

EDUCATION

AAS - Civil Engineering Technology - New York City Technical College
Civil Engineering - Polytechnic University of New York

CERTIFICATIONS

ACI American Concrete Institute
- Trained and certified concrete inspector

ACI Special Inspector
NACE International Corrosion Study
- Trained and certified in corrosion inspection

NICET III Certification
OSHA U.S. Dept. of Labor, Occupational Safety and Health Administration
- Trained and certified in construction safety and health

Leighton Associates Inc. Environmental Health and Safety Trainers
- Lead awareness trained and certified

Kwasi John has conducted hundreds of structural inspections for municipal, state, and federal clients throughout the Creater New York Metropolitan area.

RELEVANT EXPERIENCE

Senior Structural Inspector on structural, civil and mechanical work with over 13 years experience. Perform detailed inspection of construction work, including rebar installation and concrete pours, to ensure compliance with contract documents, resolve field issues and record quantities and activities.

New Rochelle Wastewater Treatment Plant, New Rochelle, NY. Senior Structural Inspector for Composite Performance Implementation, Plant Expansion and Biological Nutrient Removal Contracts at the 20 MGD, New Rochelle WWTP. Total Construction value of the projects is $235 million. Work includes replacement and upgrade of all existing plant process equipment including; headworks, primary clarifiers, pure or secondary treatment and final clarifiers, new electrical service, odor control and solids handling. Biological Nutrient removal project includes new construction of a BAF and UV process trains.

New York City Health and Hospitals Corporation, Queens Hospital. Structural inspector for $5 million upgrade for a new wing to the Queens Hospital Center. The work included structural excavation and backfilling, temporary sheeting and bracing, 2 new reinforced concrete 27 kV duct banks, a new reinforced concrete retaining wall, storm and sanitary sewer work; and miscellaneous concrete repair work. All concrete work was checked for conformances with ACI 318 and NYC Building Code.

NYCDEP, Wards Island. Concrete Aeration Tanks Upgrade, modifications, improvements and repairs. Mr. John's work included repairing damaged reinforced concrete y-walls, tank floors, installed new expansion joints, baffle walls, as well as new concrete

handrails, and structural support towers for process air piping and headers. New Electrical Substations – Installed piles, foundations, grade beams, steel structural-framing, curtain & masonry walls, roofing, equipment, switchgears and transformers.

New Rochelle WWTP. Senior Structural Inspector for the demolition of obsolete structures and equipment. Work included the removal of outdated equipment and piping, including two former sludge incinerators and their associated pollution control equipment. Coordination of contractor's activities with ongoing plant operations including shutdowns and treatment systems isolation to facilitate demolition activities. Senior Structural Inspector for structural evaluation and repair design for existing steel framing for sludge processing building. Included field inspection and measurements analysis of capacity of deteriorating steel members.

Yonkers Joint Treatment Plant, Primary Digester Roof Replacement. Senior Structural Inspector for the Yonkers Joint Treatment Plant, Primary Digester Roof Replacement project. The project consisted of the removal and replacement of the aging steel dome roofs on three anaerobic sludge digesters. Work involved close coordination with plant personnel and the removal contractor as well as the installation of shoring towers and support trusses to secure the roof during removal and the placement of a 330-ton crane for removal of the entire dome assembly as one unit.

Henry Hudson Bridge, TBTA, New York. Senior Structural Inspector for deck replacement of the Henry Hudson Bridge. Supervised inspection of coating application for the protection of structural steel and concrete. Specific elements included inspection of:

- Deck reinforcing and concrete placement and expansion joint installation
- Concrete repairs to existing north abutment wing walls
- Sandblasting and surface prep of existing structural steel
- Metal pan deck installation
- Replacement of navigation lights for bridge.
- Installation of temporary gantry crane hoist on Bridge
- Placement of new lighting control system for bridge.
- Miscellaneous steel repairs

Brooklyn Battery Tunnel Roadway Rehabilitation, TBTA New York. Structural Inspector – **Brooklyn Battery Tunnel.** Mr. John performed inspection on the Brooklyn Battery Tunnel Roadway Rehabilitation Project. Most of this work was performed at night. He performed inspection to ensure compliance with Contract Documents, resolve field issues and record quantities and activities. Inspection included: significant under deck concrete repairs including cathodic protection, placement of 6" ductile iron dry stand pipe embedded in a 24" x24" horizontal trench located on the west wall of the tunnel

Jason A. Giel

Senior Construction Inspector

EDUCATION

St. John the Baptist Diocesan High School, June, 1995

CERTIFICATIONS

American Concrete Institute Concrete Strength Testing Technician ID#: [redacted], 2004
American Concrete Institute Concrete Field Testing Technician-Grade 1 ID# [redacted], 2002

COMPUTER SKILLS

Windows, Word, Excel, Quadrel, Proficient in use of Internet

Jason Giel has a detailed working knowledge of performing inspections during and after construction to ensure compliance with the specifications, standards, and other requirements.

RELEVANT EXPERIENCE

New Rochelle WWTP - Composite Performance Implementation and Plant Expansion
Structural Inspector for the $235 million plant upgrade and BNR upgrade at the New Rochelle Wastewater Treatment Plant. Performed inspection of erection of a multi-story structural steel framed building. Ensured steel sections were erected in accordance with the plans and specifications. Witnessed torque-testing of bolted connections and radiographic testing of field welds. Assisted in preparing change orders for modified steel connection details as a result of field conditions.

NYCDEP Paerdegat Basin CSO-4B Facility Project - Field Inspector (Civil & Mechanical)
Responsibilities include: Daily inspection of quality assurance and quality control of small and mass concrete placement during cold and hot weather conditions to within ACI, SOP, shop drawing and job specifications for a 20 million gallon CSO storage tank slabs, walls, pipe cradle and road base. Daily inspections include:

- Reinforcing steel
- Concrete formwork
- RCP piping installation
- Water proofing
- Concrete finishing
- Removal of mass earth material off site
- Dredging of canal

CSO-5G – Responsibility included daily inspection for quality assurance and quality control of small and mass concrete placement in cold and hot weather conditions to within ACI, SOP, shop drawing and job specifications for connection into existing as well as new CSO system and new plant facilities and garage facility department for DEP. Daily responsibility inspections were as follows:

- Reinforcing steel
- Concrete formwork
- RCP piping installation
- Demolition of existing building and tide gates
- Installation of site security and ornamental fencing

- Day and night roadwork
- Building equipment pads
- Road base
- Asphalt placement (site and road)
- Concrete encasements of building columns
- Site planting of trees and flower vegetation
- Sidewalks and curbs for facility and city roadways

CSO-5H – Responsibility included inspection to within SOP, shop drawings, contract drawings, and job specifications on installation for boiler heat piping system and HVAC units with ductwork installation within the office, garage and processing plant for DEP CSO facility.

CSO-6 – Responsibility included daily inspections to within SOP, shop drawings, contract drawings, and job specifications of a nature preserve and ecology center within the borough of Brooklyn. Daily inspections included the following:

- Excavation and removal of mass earth material off site to contract grade drawings
- Excavation and removal of contaminate material
- Removal of tree and invasive vegetation
- Rough grading to contract drawings
- Installation of reinforced silt fencing and debris exclusion fencing along shoreline.

Concrete Placement Inspector – NYC DEP QAS Concrete Placement Inspector (Batch Plant and Field) – Responsibilities include:

- Overseeing field-testing and placement on various NYC DEP concrete job sites.

Lab Technician Assistant – Responsibilities include:

- Removal of molds from concrete, capping of concrete, and strength testing of PSI in concrete.

Sales Representative – Long Island Paneling – Responsibilities include:

- Supervising customer relations, sales, coordination of building materials to be delivered to construction sites, and reviewing of blueprints and specifications.

Construction Worker – Rooney Brothers Corporation – Responsibilities include:

- Construction of private homes and businesses, including framing and extensions, review of blueprints and specifications, as well as building concrete patios and steps.

Hany Costandy

Construction Inspector

EDUCATION

Bachelor in Mechanical Engineering – Alexandria University, 1994

SKILLS/LICENSES

Computer skills
ISO 9000
ACI Certified Inspector
NJ DCA Special Inspector License
NJ Licensed Inspector for Concrete Placement
NJ State Licensed Inspector for Reinforced Concrete Inspection

Hany Costandy has a balance portfolio of work in inspections and project management.

RELEVANT EXPERIENCE

Project Manager – SCA, DASNY, NYCH projects.

Project Manager – Cameron Group, Bayonne, NJ – Responsible for monitoring and coordinating between the different trades and contractor on the job site.

- Generate and approve all change orders
- Observing the quality of work done on the job and trying to keep the time schedule.
- Writing daily reports.
- Schedule the project in logical steps and budget time to meet deadlines
- Inspect and review projects to monitor compOliance with building and safety codes and other regulations
- Interpret and explain plans and contract terms to administrative staff and clients
- Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants and clients.
- Negotiate Sub-contractors agreements
- Supervise Subcontractors and coordinate their material deliveries
- Supervise Superintendent and staff on the project
- Coordinate with Owner and Owner's Representative requested revisions or errors on drawings and documents.
- Participate in inspections and preparation of punch lists.

Senior Project Manager/Head of Inspectors – Craig Testing Labs, Mays Landing, NJ – Performed site inspections such as concrete sampling, slump, temperature, unit weight, air content (volumetric and pressure methods), rebar inspection (geotechnical probe test), soil compaction tests (nuclear gauge test), soil bearing capacity (dynamic core penetration test). Masonry inspection (Mortar, rebar, grout-durra wall), pile driving inspection, asphalt testing, writing daily reports and organizing, work between contractors on site. Report all discrepancies to the contractor, construction manager

and structural engineer. Training new inspector to be qualified to work on site and to be qualified for ACI test. Also observing the contractors work and make sure they follow the job specs and requirements.

Head Quality Control Construction Inspector – Atlantic Engineering Labs, Rahway, NJ – Performed site inspections such as concrete sampling, slump, temperature, unit weight, air content (volumetric and pressure methods), rebar inspection (geotechnical probe test), soil compaction tests (nuclear gauge test), soil bearing capacity (dynamic core penetration test). Masonry inspection (Mortar, rebar, grout, durra wall), pile driving inspection, asphalt testing, writing daily reports and organizing work between contractors on site. Report all discrepancies to the contractor, construction manager and structural engineer. Training new inspector to be qualified to work on site and to be qualified for ACI test. Also observing the contractors work and make sure they follow the job specs and requirements.

Assistant to Purchasing & Technical Manager – Globe Automotive Import – Middletown, NY – Worked with the Purchasing Manager in issuing all the purchase orders and placed them with domestic and foreign suppliers (European, South America and Asian suppliers), negotiate prices with suppliers while maintaining quality; categorize new parts on the online catalog, add the applications for each part; research Mercedes Benz, BMW, Audi and VW on line catalogue to find new items and add to the inventory. Solved all technical problems with customers and sales team.

Alex Serebrennik

Construction Inspector

EDUCATION

MS E in Engineering Technology, State University – New York, NY

CERTIFICATIONS

Boating Safey, OSHA 10 Hours 2011, NJSA, Certified Concrete Filed Testing Technician, Concrete Construction Special Inspector

Alex Serebrennik brings his thorough knowledge of construction inspections on a wide variety of civil and site projects that include bridges, roadways, and sewage projects to all Svin projects..

RELEVANT EXPERIENCE

Senior Construction Inspector

NJDOT – Route 35, Restoration (Sandy Restoration) (MP 9.0-12.0) Borough of Mantoloking & Bay Head). (Sub-contract to Ammann Whitney, Senior Construction Inspector – on a 39 Mil Restoration Project, Inspect General Contractors work involving drainage work (New Drainage Inlets) 4 Pump Stations, upgrading of existing water and sewer mains (Laterals), removal of Existing concrete pavement, new curb/sidewalk, new asphalt pavement, landscaping and TC. Provided video inspection of sewers and hydrostatic pressure tests of the water main. Existing High water table warranted dewatering activities throughout utility excavations. Perform force account monitoring, provided Inspection to 4 Pump Stations.

NJDOT – Weldon Road – Espanong Road Over Route 15 Jefferson Township Contract #MOE113210 Bridge Deck Replacement.. (Sub-Contract to Dewberry) Senior Construction Inspector responsible for Bridge Deck Replacement along with most able Stages on Espanong Road – Weldon Road. Major and complex Removal Deck Replacement, new armor joints, reinforcement steel installation, partial wing wall replacement, parapet, bridge sidewalk, concrete median Center, fence, vertical spall and pier cracks repair and waterproofing, drainage, roadway milling, pavement restoration, surveying structural grades and road alignment. Maintained the purity of the road under the bridge, preventing it from contamination from leaking flows of slurry from the bridge. Involved in MPT Construction Signs installation MPT detours / lane shifts. Assisted the review of shop drawings written procedures and miscellaneous assignments. Successfully cooperate with safety inspector form the NJDOT, fixing all deficiencies and responding to their comment.

Construction Inspector NJTA, Roadway Improvements at Garden State Parkway and Interchanges 157 and 161. Grading, Paving, and lightning. Construction Inspector for Contract P300.213 the Authority widening project, electrical and drainage improvements. This project was performed along one of the busiest sections of the GSP and has to goal to reduce a traffic bottleneck at Exit 157 of GSP S.B. and upgrade the lighting systems over Exit 161 of GSP S.B. and N.B. Responsibilities included supervis inspection of construction and quality control activities for earthwork, embankment improvement, sidewalks, driveways, and curbs, new drainage network construction,

new electric installation, roadway lighting systems, replacement of existing utility pole mounted lighting with NJTA standard lighting facilities. ITS and facilities, roadway reconstruction, asphalt milling and paving, baseline control, staged construction including extensive maintenance and protection of traffic, signing and striping, utility lines installation under the bridges. Responsibilities also included submittals, daily reports and shop drawings review, filed testing of construction materials.

Senior Construction Inspection, Montville, NJ. Hudson County NJ Rehabilitation of 3 Span Arch Bridge over West Hudson Park Lake. This 6 month widening construction project is being performed in West Hudson Park in Kearny, NJ over the Park's Lake. Responsibilities included supervision / supervision inspection of construction and quality control activities involved the reconstruction and widening of the3 span arch bridge, demolition of old bridge structures and clearing from trees and vegetation. Also included construction of a temporary bridge structure which included modifying the approach to the bridge and adding steps to the stair, installation of girders and other structural streel constructions, pile driving, construction of retaining walls, substructures, and bridge piers.

Structural steel and pre-cast concrete plants inspector. NJTA Interchange 6-9 Widening Program and GSP Mullica River Bridge. For clients such as AECOM, PB, IEW, HARMS, RENCOR and other, conducted inspection of precast plants manufacturing for different related projects. Inspected a lot of pre-cast plants in NJ, Maryland and Pennsylvania such as: M & M Precast, Inc., North East, MD; Old Castle Telford, PA; Faddis Concrete Products, PA; NorthEast Precast, Millville, NJ; Concrete Safety Systems, LLC, Bethel, PA etc. Controlled the manufacturing of noise reduction barriers panels and posts, traffic control barriers and different MSE wall panels for different projects (101, 102, 103, 201, 203, 501, 502, 801, 802 etc.), inspected production of culvert boxes for Turnpike. Verified the panel's dimensions with shop drawings and verified their position on Wall elevation's drawings.

Controlled fabrication, welding, cleaning and blasting, galvanized and paint coatings of different steel units such as bridge girders and their parts, piles. Also inspected sign supports used on NJ Turnpike and Garden State Parkway such as butterflies, cantilevers and overheads within a whole process of their manufacturing from the beginning until the shipping. Also inspected quality of manufacturing pre-cast concrete units such as different slabs, sewage units, drainage structures, checked spacing and placement of rebar configuration and their set into forms pursuant to plans; reviewed QC's monthly records for moistures for sand and aggregate and audited the gradation certifications for the concrete aggregate products, cement and reinforcement steel. Controlled consistency of suppliers. Prepared and submitted daily inspector reports to clients providing them with stage of readiness and quality of their products, etc.

Mark Zaki

Construction Inspector

EDUCATION

B.S. in Civil Engineering – Assiut University, Egypt, AR, 2011

CERTIFICATIONS

ACI Concrete Construction
ICC Structural Masonry

SKILLS

AutoCAD (Structural Drafting), SAB2000 (structural analysis), ICDL (Windows, Word, PowerPoint, Excel, Access, Outlook and IT), Surveying Equipment (Totalstation, GPS, Theodolite, Level, Planemeter and Steroscope)

Mark Zaki's engineering skills combined with his working knowledge of construction inspections is applied to Savin projects.

RELEVANT EXPERIENCE

A highly talented Construction Inspector with experience in examining site elements such as soil, paving, concrete, rebar, and masonry to ensure that their construction, alteration, or repair complies with building codes and ordinances, zoning regulations, and contract specifications.

Special Inspector – Queens, NY – Responsibilities include:

- Soil compaction and asphalt inspection and testing using Troxlar
- Concrete and rebar inspection
- Structural Masonry

Douglas Barillas

Construction Inspector

EDUCATION

High School
Instituto Tecnico Vocacional – Guatemala, 1993

SKILLS/CERTIFICATIONS

Welding – SMAW, GMAW, GTAW, FCAW, SAW
CWI (Certified Welding Inspector), ICC Bolting Inspector

Douglas Barillas is fully versed in structural steel, steel and metal fabrication, and welding assessment.

RELEVANT EXPERIENCE

Mr. Barillas has over twenty four years of experience in the inspection of structural steel and other steel and metal fabrication. He is a certified welding inspector and is familiar with a variety of welding methods and procedures. He has excellent communication skills and proficient at preparing proper field reports and documentation.

Field Inspector – Duties include but not limited to visual inspection of structural steel, field welding and shop welding and high strength bolting inspection. Performed inspection of structural steel installation, welding, bolting and repairs. Inspected columns, beams, girders, splices, connections and field modifications.

Leadman/Inspector – Leadman/Field Inspector on numerous steel construction projects throughout the New York Metro Area. Projects included: The New York Times Building, Goldman Sachs Building, World Trade Center Tower 1 and Tower 4 and the PATH Transportation Hub.

Welder Fabricator and Steel Erector – Custom Steel, Kearny, NJ – Worked as a welder and was promoted to layout/fitter. Responsible for fabrication of steel stairs, hand railings, beams and columns. Also worked on the fabrication of aluminum and stainless steel hand railings. Extensive experience in reading and interpreting detailed installation drawings.

Leadman/Customer Service – Cargo Logistics, Carteret, NJ – Started working on picking and packing. In one year he was promoted to Leadman overseeing 7 people. Also worked in the office as customer service rep.

Welder/Fitter – Pam International, Garfield, NJ – Worked as a welder/fitter in a production shop using GMAW and GTAW.

Albert Wong

Construction Inspector

EDUCATION

Bachelor's Degree in Aircraft Engineering, The Chelsea College of Aeronautical & Automobile Engineering, UK

Diploma – Major Aero-engines, Instruments, Sheet Metal Work, Electrical & Hydraulic Equipment, Far East

Flying & Technical School, Hong Kong, China

QUALIFICATIONS/CERTIFICATIONS

Certified American Welding Society Welding Inspector (CWI)

International Code Council (ICC) Registered Special Inspector for Structural Steel & Bolting

Non-Destructive Testing: SNT-TC-1A (U.T., M.T., P.T. Level II, E.T., R.T. Level I)

Welder's Qualification Test (Q2) in according with ABS procedures

MEMBER

The American Society for Non-Destructive Testing

The American Welding Society

The American Society of Metal

The Hong Kong Institute of Engineers

The British Institute of Non-Destructive Testing (Licensed member)

Albert Wong is a construction inspector with broad-based experience in structural and active construction site inspection.

RELEVANT EXPERIENCE

Construction Management, Engineer, Architecture, Land-surveying, & Material Testing
NY EPA, City Tunnel #3, Stage 2 – Special Inspector for welding, structural steel and bolting – New York, NY – Responsible for witnessing testing and inspection of:

- Welding Certification Test
- Welding Procedure Test
- Welding of stainless steel pipe, carbon steel, pipe, galvanized steel pipe
- Hydrostatic test of pipe systems on pipe size from 1" to 48" in diameter
- Cathodic Protection Test (Corrosion Protection Test of carbon Steel)
- NDT, RT, PT, UT, and RT Film Interpretation
- Structural steel erection and welding
- High strength bolts installation of skid more test
- Aluminum grating and support installation and welding
- Heating and ventilation pipe and support installation and welding
- Load test of telescoping monorail, jib crane, personnel transport elevator
- Installation of chemical grouting, expansion anchor bolt
- Verification of calibration certificates of testing instruments

Quality Control Engineer (Structural Steel) - Fluor EPCM Services – Phoenix Constructors – **World Trade Center Transportation Hub** – New York, NY – Responsible for the management of a comprehensive quality control program for the $4 billion work

- Led the processing audit on contractors and the documentation and issuance of the non-conformance reports
- Accountable for the review and implementation of the contractor's submittals, quality control program, welding procedure, welder certification record, structural steel erection procedures and punch list record.
- Led the coordination and client interaction for special control inspection and testing, AS destructive testing, non-destructive testing, high strength bolt pretension testing, fabrication ship inspection, and the corrosion protection testing of structural steel and piping.
- Managed surveillance of daily site activities for welding, bolting, and erection of structural steel.
- Managed the relationship with key client management (project manager level) and kept them adequately informed with the timelines and status of required corrective activities.
- Ensured that the contractor's quality personnel are in compliance with the current quality control program
- Permits and certifications obtained in relation to this project:
    - World Trade Center Transportation Hub Security Clearance
    - MTA NYCT track safety training
    - The PATH/The Port Authority of NY/NJ Roadway Worker Protection Training
    - OSHA 10 hour & 30 hour Safety Training

Senior QA/QC Inspector (Structural Steel) – U.S. Engineering Laboratories, Inc. - In charge of the inspection and surveillance of construction work to ensure compliance with contract stipulations.

- Responsible for witnessing various tests and surveillance of operations for fabrication and erection of structural steel work.
- Led the tracking and review of all contractor testing reports and material testing to ensure conformance with specifications.
- Managed project progress and documented problem areas in preparation for the submission of progress and inspection reports.
- Projects for which the above was performed include:
    - Conoco Phillips Bayway Refinery – Linden, NJ
    - Hudson Bergen Light Rail Transit System – Various locations, NJ
    - Merck & Co. – Research Building 820 – Rahway, NJ
    - Battery Tunnel and Mid-town Tunnel Exhaust System – New York, NY
    - Tri-Borough Bridge – New York, NY
    - George Washington Bridge – New York, NY
    - Newark Liberty Int'l Airport, North Cargo Building – Newark, NJ

Michael Fradua

Structural Engineer

EDUCATION

B.S. in Civil Engineering – Manhattan College, Riverdale, NY

CERTIFICATIONS

Certified International Code Council (ICC) Special inspector

CORE CAPABILITIES

Design & Inspection Management Administration
Commercial & Industrial Buildings; Project Management; Contract Management; Special Inspection & Reports; Team Leadership; Scope & Budget Development; Emergency Response; Union Workforce Management; Scheduling; Seismic retrofit upgrade; Client & architect relations; Production Drawings; Structural damage assessment; Contractor oversight; Budget monitoring

Michael Fradua Has extensive experience in performing inspection and monitoring services at construction sites to ensure adherence to structural and safety standards, building codes, and specifications.

RELEVANT EXPERIENCE

Mr. Fradua is a structural engineer with over 28 years of experience. He is a Certified International Code Council (ICC) Special inspector. Excellent communicator and team leader who quickly establishes rapport and credibility with diverse stakeholders, including architects, developers, contractors, and local and state agencies. Experience in private and public sectors in US and globally.

Skyline Engineering, New York, NY Director of Special Inspections Structural. Conduct special inspections of NYC heavy construction projects; both new construction and renovations. Inspections include bolting, welding, masonry, concrete, steel structures, soils, and fire stopping. PE approved to sign and seal structural Technical Reports (TR) for NYC Department of Buildings.

- Ensured safety and structural integrity of rooftop framing and supports HVAC equipment for 60 story building on Wall Street.
- Responsible professional in charge of structural inspection for a high-rise reinforced concrete building.

Galli Engineering, Melville, NY. Structural Engineer -- Design and inspect commercial, industrial, residential and environmental building projects, including generating preliminary designs and calculations, preparing drawings, inspecting ongoing construction jobs, and producing reports. Projects include:

- Produced forensic report on commercial building damaged by adjacent Long Island Rail Road construction project.
- Delivered structural design for multi-building/multi-use apartment complex.

Project Engineer – Galli Engineering, Westbury, NY – Inspect and design commercial buildings, including historic renovations, foundations and underpinnings. Monitored demolition, assess load-bearing capacity of foundations and structures.

- Successfully engineered underpinning of historic landmark building in Brooklyn, NY.
- Designed foundations and steel framing for new commercial building; oversaw demolition of existing building.

NYC Transit. Assistant Chief Operating Officer, Contract Inspection — Oversaw outside contractors on NYC Transit operation and capital construction projects. Managed inspection of external construction projects to ensure safety and integrity of NYC Transit routes and facilities. Supervised 3 directors and managers, and crew of 80 union engineering and field personnel. Represented Transit Authority in emergency response and supervised TA field forces during disasters.

- Oversaw inspection of World Trade Center 7 reconstruction
- Contributed to FEMA regional planning for disaster response in NYC, including terrorist attack & hurricanes.
- Delivered yard paving and facility roofing projects system wide, within budget and on deadline.

NYC Transit. Director, Contract Inspection — Spearheaded project scoping, design, budgeting and inspection of NYC Transit multi-million dollar capital and operation projects, including repair, upgrading and maintenance of system-wide elevated and tunnel structures. Supervised managers and 50 engineering & field staff. Liaison to City, State and Federal agencies.

- Coordinated all NYC Transit operations at OEM Command Center after 9/11 World Trade Center collapse.
- Reopened closed subway lines 2 month ahead of schedule after 9/11.
- Monitored all aspects of Columbus Circle development, including interconnection with subway system.'
- Led NYC Transit engineering team inspecting old Yankee Stadium, coordinating fabrication of emergency support stanchions.

NYC Transit. Manager, Contract Inspection — Led team of 30 engineers and field inspectors to inspect development projects that affected TA facilities in all 5 boroughs. Developed design solutions to underpinning and foundation problem.

Project Manager – Basil Engineering, Consulting Engineers, Italy & Saudi Arabia

Job Captain – Weiskoph & Pickworth, Consulting Engineers, Texas

Feld, Kaminetzky & Cohen, Consulting Engineers, New York City

Eric Davis

Construction Inspector

EDUCATION

KrautKramer Branson School of Nondestructive Testing, Charlotte, NC, 1997
Washington County Technical School, Johnson City, TN, 6/94-4/94

CERTIFICATIONS

ICC Structural Steel & Bolting Special Inspector, Dec. 2013-Dec. 2016
ICC Welding Special Inspector, Jan. 2014-Jan. 2017
Certified Welding Inspector, October 2016
OSHA – 30 Hour, Oct. 2013-Present
30 Hour Occupational Safety and Health Training Course in Construction Safety & Health

Eric Davis utilizes his skills and professional certifications to determine structural soundness, compliance with building specifications and building codes, and other regulations to ensure high-quality work.

RELEVANT EXPERIENCE

WTC Oculus, Skanska Koch Inc., New York, NY. Superintendent –Directed all inspections on steel member for fit-up, welding and non-destructive testing (NDT)

- Reviewed and endorsed all daily special inspection and NDT reports
- Closed punch list items related to welding non-conformances
- Tracked progress of all welding and bolting activities
- Quantified and managed development of all NDT procedures, including non-conventional methods and base metals.
- Attended all punch list meetings with client and engineering department
- Witnessed qualification tests for stainless and D1.5 welders
- Tested orbital welding machine for welding procedure of round pipes on site.

WTC Transportation Hub, DCM Erectors, Inc. New York, NY. Site Quality Manager/Lead Bridge Inspector — Directed all inspections on fracture critical member for fit-up, welding and NDT.

- Reviewed and endorsed all daily special inspection and NDT reports
- Developed critical repair procedures for unacceptable welds and/or poorly fabricated joints
- Performed NDT inspections and in-process welding activities when needed
- Continuous internal auditing of all site CWIs and NDE technicians
- Managed all interaction between contractor's QC and client's QA (Port Authority)
- Attended all punch list meetings with client and engineering department
- Monitored field progress and compliance to required schedule milestones.

URSSA Fabrication Plant – DCM Erectors, Inc. Welding Inspector — Performed fit-up verification of joints and in-process welding inspections of assemblies for the WTC Transportation HUB.

- Supervised NDT inspection of welds, performing additional inspection as required
- Performed final visual inspection and documentation review for completed assemblies prior to turning over to client's QA (Port Authority).

Archer Western Contractor – RDU International Airport Terminal, Morrisville, NC.
Quality Control Engineer - Performed inspection and testing on project's components – RDU International Airport Terminal 2 Renovation/Expansion Project.

- VT, NDT or welded connections
- Verification of bolted connections
- Moisture verification
- Paint thickness verification
- Assistant concrete testing technician
- Mechanical inspections of plumbing, duct, pipe and fire suppression systems
- Ongoing inspections including those requiring owner's representative and/or county inspector's verification
- Coordination of daily activities and testing

MACTEC Engineering, Raleigh, NC. Senior Metals Technician– Performed NDT and weld inspection at various project sites.

- Structural steel fabrication plants
- Bridge manufacturing plants
- Major pharmaceutical plants (Coordinate inspections/testing during shut down projects as well as performing ongoing inspections of plant pressure vessels.

Southern Monopole & Utilities Co – Steel, AL Quality Control/Quality Assurance Manager — Implemented the Quality Control Program during startup of company.

- Qualified welding procedures and welders
- Trained welding inspectors and NDT personnel
- Maintained daily inspection records and performed NDT – Visual, Ultrasonic and Magnetic Particle
- Procured testing agencies for destructive testing of qualification plates.

Carolina Steel Corporation – Abingdon, VA. **Fitter's Helper** –

- Performed dimensional verification inspections
- Qualified welders – Shielded Metal Arc, Submerged Arc, Arc and Flux Cored Arc Welding Processes
- Performed NDT of welded joints
- Performed coating inspections
- Assisted with fit-up of bridge girders in fabrication plant.

Anna Hrisomallis

Senior Construction Inspector

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

NACE CIP Level I Coatings Inspector
SSPC C3 Supervisor/Competent Person Training
OSHA 10 Hour Construction Safety
Confined Space Safety Certification
Visible Emissions Evaluation

Anna Hrisomallis has performed numerous successful inspection projects throughout the Greater New York Metropolitan area including bridges, roadways, water treatment plants, and most recently the JFK terminal for the Port Authority.

RELEVANT EXPERIENCE

JFK International Airport, Port Authority of New York and New Jersey. Construction inspector for inspection of terminals and roadway modifications.

New York State Thruway Authority. Bridge Painting and Steel Repairs to the New England Viaduct in Westchester County/Rehabilitation of eight New England Thruway Bridges in, Bronx and Westchester. Chief Inspector for all Class A, and B Containment Systems, SP-12 Power Jetting, SP-10 Abrasive Blast, SP-3 and SP-11 Power Tool Cleaning and all coating Systems Documentation to the NYSTA as well as Payment Requisitions. Also responsible for MPT along the mainline on I-95, and in the inspection of under deck bridge lighting, which consisted of installing 1" steel conduit with a three phase wiring system. During the winter shutdown period assisted the office engineer with correspondence, created spreadsheets with excel to finalize quantities, and helped with the preparation of Order on Contracts.

On the New England viaduct, Ms. Hrisomallis oversaw all steel repairs including stringer web and stiffener repairs rivet replacement, cap beam stiffener repairs and column brace repairs. All work was completed as per approved shop drawings and New York State Steel Manual. The project was completed with a three coat Carboline coating system.

New York City Department of Transportation, Belt Shore Parkway. Senior construction inspector for the Protective Coating of six BSHP Bridges. Work involved Using Class "1A" Containment System, Performing SP-12 Surface Preparation and Cleaning of the steel by high pressure water jetting,SP-10 Near White Metal Blast Cleaning , SP-7 Brush Off Blast Cleaning and SP-15 Commercial Grade Power Tool Cleaning, followed by Paint System B' - Total Coating Replacement/ Epoxy Zinc-Rich Primer / Epoxy Penetrating Sealer / Epoxy Intermediate / Urethane Finish using Carboline product.

LIRR for the Atlantic Ave. Viaduct Rehabilitation Phase II. QC/HS officer for Performed QC painting inspections and worker lead exposure and handling of all documentations for SSPC/QP-1.

Water Tank in New Rochelle. Work included SP-6 Commercial Blast Cleaning and SP-10 Near White Metal Blast Cleaning with the application of four coats of paint including the sealer.

New York State DOT-NYS Thruway. QC/HS Officer for performing quality control and QC/HC on various bridges for NYSDOT. Responsible for inspections and documentation related to the contractor's OSHA, DEC and EPA compliance matters. Perform QC painting inspections and worker lead exposure monitoring and handling of the documentation for SSPC QP-IIAP-2.

New York City Department of Transportation. Senior Construction Inspector for performing quality assurance painting inspections on multiple NYCDOT painting projects: Williamsburg Bridge, Manhattan Bridge, Queensboro Bridge, Martha Washington Bridge & East 241st Bridge.

Quality Control Officer and Competent Person – Responsible for inspections and documentation related to the contractor's OSHA, DEC and EPA compliance matters. Performed QC painting inspections and worker lead exposure monitoring and handled the documentation for SSPC QP-IIQP-2 quality control designations for the contractor. Some of the projects worked on include the following:

- **Staten Island Expressway** – Rehabilitation of 12 Bridges (NYS)
- **Kolb Pedestrian Bridge** at Riverside Drive – Blasting and Repainting (NYC)
- **Queensboro Bridge** – Blasting and Repainting (NYC)
- **Tappan Zee Bridge** – Blasting and Repainting (NYS)
- **Fresh Kills Overpass Bridge** on West Shore Expressway – Blasting and Repainting (NYS)
- **Korean War Veterans Memorial Parkway and West Shore Expressway** – Painting of 39 Bridges (NYS)
- **Spring Creek Water Treatment Plant** in Brooklyn – Maintenance Painting (NYC) Broadway
- **Sunrise Highway** – Maintenance Painting of 11 Bridges (NYS)
- **Williamsburg Bridge** – Blasting and Repainting (partial) and Maintenance Painting (partial) (NYC)
- **Manhattan Bridge** – Blasting and Repainting (partial) and Maintenance Painting (partial) (NYC)
- **Marine Parkway Bridge** – Blasting and Repainting (TBTA)

Edward Obara

Senior Coating Inspector

EDUCATION

PROFESSIONAL REGISTRATIONS

NACE 2
KTA-Tator Coatings Failure
Analysis-Level I, 1996
KTA-Kator Coatings Training, 1999
SSPC-3 Supervisor/Competent Person Training, 1999

PROFESSIONAL MEMBERSHIPS

The Society for Protective Coatings (SSPC)
National Association of Corrosion Engineers (NACE)

Edward Obara is an expert in the inspection of coatings with a specialty on bridges.

RELEVANT EXPERIENCE

Mr. Obara has over 30 years in the coatings industry including 15 years of experience as a coatings inspector. He spent a portion of his career with the New York City Department of Transportation where he served as District Supervisor of Bridge Painting Section. In that position, he managed activities of supervisory and union bridge painters, and he as responsible for major East River bridges and overpasses through the five boroughs. Mr. Obara received excellent work performance reviews by Director of Bridge Painting. He is extremely knowledgeable and experienced with inspection of bridges and other complex steel structures. He has a comprehensive knowledge of OSHA and EPA regulation, as well as climbing and rigging procedure and SSPC Standards. Mr. Obara has performed on-going emergency repairs on various bridges and overpasses. He is experienced with graffiti removal and assigned to the Mayor's Anti-Graffiti Task Force. He is experienced in sand blasting, power tool cleaning, airless spray painting, and testing of new paint systems. In addition, he assisted in designing and erecting containment systems used for lead abatement, maintained equipment and material budget, and coordinated scheduling and personnel overtime.

Verrazano Narrows Bridge, TBTA, NY – Inspector for the abrasive blasting and coating of the lower tower legs, lower tower leg cells and the lower tower strut cells. Also provided inspection for the seismic retro fit of bearings at various locations, oiling of the main cable strands in the anchorages, guard rail installation on the VNB approach from the Belt Parkway, conduit rack repair, both direction entire lower level, installation of 14 stainless steel doors at the toll plaza tunnel. Also the maintenance contract, inspecting scupper and drain cleaning upper level and maintenance painting on the lower level.

Brooklyn Queens Express Bridges, NYCDOT, NY – Chief Coating Inspector for the abrasive blasting and coating of eleven overpass bridges along Brooklyn-Queens Expressway. Various containment enclosure such as rapid deployment containers, platform based and drop down containments are being utilized on this project to accommodate access restriction, community issues, noise and other restrictions.

Protective Coating of the Queensboro Bridge, NYCDOT, NY – Coating Inspector for this $170 million bridge protective coating project. Responsibilities included existing coating removal and new coating installation.

Protective Coating of the Washington Bridge, NYCDOT, NYC, NY – Chief Inspector of the construction inspection services for the repainting of the Washington Bridge. The coating work included abrasive blasting and recoating of the entire structure.

Broadway Bridge, NYCDOT, Manhattan, NY – Chief Inspector for this project that involved construction inspection services for the repainting of the Broadway Bridge. This project required close coordination with the NYCT, MNR, Coat Guard, and NYCDOT. As a moveable bridge, the scheduling of activities adjacent to trains and traffic is critical to the success of the project. Responsibilities included overseeing all field work and assuring protection of traffic, trains, and pedestrians. The coating work included abrasive blasting and recoating of the entire structure.

Goethals Bridge Repainting, Staten Island, NY and Linden, PANYNJ, NJ – Chief Inspector for this project that involved construction inspection services for the repainting of the Goethals Bridge. The work involved deleading the structure by abrasive blasting and application of a new coating system. In addition to coating inspections, oversaw electrical conduit removal and replacement, structural steel repairs, shotcreting and fiber optic cable splicing.

Michael Betanzos

Resident Engineer

EDUCATION

Ulster County Community College, Surveying
Ulster County Community College, Associate in Science

CERTIFICATIONS

American Concrete Institute Certification
OSHA 10 hour Construction Safety- 2006
Troxler Nuclear Testing Equipment Certification
NICET IV (Equivalent)

Michael Betanzos is highly regarded for his engineering expertise that spans over three decades..

RELEVANT EXPERIENCE

Mr. Betanzos has over 35 years of experience on major construction projects. In his capacity as assistant NYSDOT materials engineer, he established, implemented and oversaw QA/QC programs related to asphalt and concrete plant production and advised personnel as to equipment and procedures necessary to achieve density required by NYS Asphalt Concrete Density Specs. He is familiar with all aspects of roadway, bridge and utility construction, repair, reconstruction, inspection, and testing. He has been the resident engineer on numerous Thruway, New York Division, projects including TANY 01-5 Rock Remediation; TANY 03-6; TANY 01-60 Noise Barriers and TANY 01-4 Mill/Fill Thruway Mainline. In addition to his technical duties Mr. Betanzos is adept at community relations as it pertains to the construction activities on his projects. He regularly meets with local homeowners, merchants and officials to respond to concerns and keeps the owners staff informed at all times. He recently worked on I84/87 Interchange Phase III Project and recently finished working on a safety upgrades project for the New York State Thruway Authority.

D213941 - Chief Inspector, TANY 10-18, Safety Upgrades at Mile Post 46.0 thru Mile Post 60.5, New York Division, Orange County. Project consisted of upgrades to the guide rails throughout the project. Drainage upgrade including culvert extensions / replacement, headwall removal and replace A.O.B.E. drainage. Structure alterations at various locations. Flattening of slopes, shoulder backup throughout project. Provided tree trimming and clearing as needed throughout project. Project includes various visual inspections and as needed safety upgrades.

D213520 - Senior Construction Inspector, 1-87/I-84 Interchange, Contract 3, NYS Thruway Authority. Senior Construction Inspector for construction inspection services for the I-84/Rt. 300 intersection and highway and bridge work. Project consisted of 7 bridges.

D213522 - Assistant to the Project Engineer for the New York State Thruway New High Speed E-Z Pass in Spring Valley. Work included 4 VMS boards and 2 cameras along the New York State Thruway, installation of space frame structure, instrumentation, conduit

and related work. Mr. Betanzos was in charge of all field operations and reviewed all contracts. He coordinated MPT with all Thruway units and the Toll Plaza Manager.

D213289 - Resident Engineer – New York State Thruway Authority - Responsibility includes – the construction of noise wall barrier for the New York State Thruway in West Nyack, NY, Rockland County. Work included construction of new noise barrier, utilities relocation, pile driving, rock blasting and maintenance and protection of traffic.

D213005 - Resident Engineer – New York State Thruway Authority on the Rock Remediation and Noise Barrier Construction New York State Thruway, South Nyack, NY. Responsibilities include complete construction management of 1.2 miles of precast concrete noise barrier along thruway. Work included drain cleaning, clearing and grubbing, reinforced concrete footings, precast posts and wall segments as well as miscellaneous shoulder repair.

D212995 - Resident Engineer – New York State Thruway Authority – Noise Barrier Installation in Rockland County - Performing office engineer duties including: processing estimates, reviewing daily IR's, produce meeting minutes, track contractors progress with EEO requirements and payroll, provide correspondence for Thruway Authority and Contractor.

D212995 - Resident Engineer – Mill & Fill – Provided inspection for milling, repaving and line stripping of nearly 10 miles of I-87. Installation of rumble strip and saw cutting joints. Also inspected daily lane closure patterns.
2500

D212799 - Resident Engineer - Noise Barrier Installation – Construction inspection of noise barrier along north bound I-87. Work included drilling footings, placement of reinforcement steel and concrete, erection of prefab. Posts and panels, joint caulking, installation of R.O.W. fence and paintings.
Reference: Stephen Grabowski, (845) 918-2500

Resident Engineer on the construction of noise wall barrier for the New York State Thruway in West Nyack, NY. Work included construction of new noise barrier, utilities relocation, pile driving, rock blasting and maintenance and protection of traffic.
Reference: Stephen Grabowski, (845) 918-2500

Civil Engineer I/Assistant Materials Engineer – Assisted Department in establishing procedures and specifications for the Quality Control Quality Assurance program being implemented in New York State. Reviewed and made recommendations on Quality Control Plans submitted for annual asphalt plant approvals. Advise project personnel as to the equipment and procedures necessary to achieve density as required by New York State Asphalt Concrete density monitoring specifications. Instruct field inspectors on field-testing of Portland Concrete, in accordance with the American Concrete Institute.

Frank Montefusco

Senior Construction Manager

EDUCATION

BA Architecture – New York Institute of Technology

CERTIFICATIONS/TRAINING

OSHA 10 hour Construction Safety- 2008
Historical Preservation Local Level -2000
Clean design Pharma 1999
Historical Preservation National level 1999

Frank Montefusco has significant project management experience on Port Authority projects that include, but are not limited to PATH and JFK Airport.

Early in his professional career, Frank served as a Project Architect for the Port Authority's Capital Improvement Program.

RELEVANT EXPERIENCE

Mr. Montefusco has over thirty years of experience encompassing Architectural design, construction and program management, estimating, and scheduling of new and retrofit work. Experienced Project Managing in all aspects of site and facility design, from programming through construction of manufacturing, research, and administration buildings for the pharmaceutical, biotechnology industry and Commercial and Residential design. His areas of expertise include building code compliance, coordination of design disciplines, construction scheduling, field supervision, project close out, developing and upgrading project plans, including schedules and budgets; monitoring and reporting project progress; implementing appropriate recovery actions when project deviates and construction management.

PATH – Journal Square, Port Authority of New York and New Jersey – Responsibilities include:

- Supervise, direct and provide technical support for Contractors on Homeland Security construction projects located throughout the entire PATH train station and tunnel system.
- Provided coordination between related PATH construction projects.
- Supervise work train movements and placement by coordinating with the contractor and providing direction to the assigned train crew.
- Coordinate tunnel and train station construction work with various PATH personnel (Train Masters, Power Rail Men, Communications Department, Signal Department, Yard Masters, Dispatchers, Surveyors, other EIC's etc.)
- Provide Assistant Resident Engineer with written reports (Spreadsheet format) and mark-up pictorial reports of project progress and deficiencies.
- Evaluate and mark-up monthly Payment Requisitions.
- Evaluate submittal logs.
- Post Sandy Emergency Construction; 14 hour shifts, 7 days a week

PANYNJ New York Airports. Senior Construction Manager - Manages project teams of professional staff composed of Port Authority engineers, architects, project control engineers and outside consultants. Major areas of responsibility include; managing all

engineering efforts from conceptual design through construction completion; developing and upgrading project plans, including schedules and budgets; monitoring and reporting project progress; implementing appropriate recovery actions when project deviates; serve as the Engineering Department representative with the Line Department of JFK Airport.

New York City School Construction (SCA). Project Manager. Representative Projects

- Restructuring Bronx HS (12)
- Reso A Cafeteria's (6) and Auditoriums (4)
- Bathroom renovations ADA
- HVAC upgrades

University of Medicine & Dentistry of NJ. Project Manager - Responsible for managing project at UMDNJ from inception through construction completion. Responsibility for RFP, Architect coordination, contract drawings, developing schedules and budgets. Representative Projects

- U Hospital Lobby (5 mil)
- Pediatric Private Practice @DOC. (2.5 mil)
- Ambulatory Care Center (200mil)
- MCC @ SSB (1.5 mil)

Port Authority of NY & NJ. Project Manager - Responsible for managing project at JFK Airport from project inception through construction completion. Responsibility for contract drawings, developing and project plans, including; schedules and budgets as well as serving as the Engineering Departments the Line Department owners representative. Representative projects

- JFK Roadway Recirculation Refinement Outbound ($9mil)
- Demolition cost Estimates for Buildings and Hangers ($25mil)
- Rental Car Site & Road Modification with New Air Train Station ($30mil)
- Rehabilitation of Cargo Service Road to Federal Circle ($5.5mil)
- Additional projects from $250k to $5mil

Foster Wheeler USA Corporation. Principal Project Architect, Project Manager - Owner's representative for programming, design development, through design process for duration of project and construction management support. Managed design team and construction personal. ISO 9001 compliance.

Port Authority of NY & NJ. Construction Manager and Project Architect (PANYNJ) - Management of Capitol Improvement Projects and tenant fit-up owner requirements. Established long range forecast for owner and tenant occupied space.

Joe Tola

Associate/Construction Manager

EDUCATION

NY Institute of Technology Old Westbury, New York- Bachelor of Science, May 1996

CERTIFICATION

OSHA Outreach 10 Hour

COMPUTER LITERACY

Proficient in Windows, Microsoft Project, Primavera Expedition, and Facility Planning tools

Joe Tola's strength in developing strong relationships between all individuals involved in a project has led to continued success.

RELEVANT EXPERIENCE

Mr. Tola is an Associate at Savin, and has over 19 years experience in the construction industry of which 13 years experience are at Savin, which includes the following projects:

World Trade Center – Performing commissioning services related to the following building systems listed below: This includes development of Pre-functional checklists (PFCs) and Functional Performance Test (FPT) scripts and participation in the review of field installation and in the field system and integrated system testing.
Sewer ejectors, duplex sump pumps, elevator sump pumps, fire suppression-including sprinklers and water mist system, storm water system – including gray water treatment plant, tunnel exhaust system, and emergency generators and paralleling switchgear

Westchester Medical Center – Evaluating site assets, existing construction, interior and exterior components and building systems based on overall integrity, probable useful life, and the need for replacement; and provided an analysis of potential problems that may require short or long-term attention, detailed information was provided for the maintenance of the HVAC equipment including CAD drawings of the mechanical rooms.

Sound Shore & Mt Vernon Hospital – A $47 million facility planning and evaluation of site assets, existing construction, interior and exterior components and building systems based on overall integrity, probable useful life, and the need for replacement.

Eldred Central School District-$17 Million additions and renovations.
Port Jervis City School District- $25 million district wide renovations.
Syracuse City School District – Provided Facility Planning for Five Year Plan and Capital Projects Plan

Pocantico Hills C.S.D. - $18 million capital project.

Greenburgh 7 UFSD– Infrastructure projects through multiple years including roofing and mechanical work

Westchester County Department of Public Works - Set up Facility Center, created a five year plan, and building condition survey of all County owned property. Used basic AutoCAD functions to polyline areas and add asset blocks and AutoCAD with links to Facility Center.

Westchester County Penitentiary - $60 million project which included demolition of existing jail and the construction of a general population mid-rise housing 264 inmates in single cell and dormitory pods, and a separate single-story special housing unit for 16 inmates in single cells.

Michael Melocoton

Project Executive

EDUCATION

New York Institute of Technology – Electrical Engineering

COMPUTER LITERACY

Primavera Expedition, Microsoft Word, PowerPoint, Excel, Outlook, Word Perfect, Lotus 1,2,3, LAN & Network Environments

CERTIFICATION

OSHA Outreach 10 Hour

Mike Melocoton has an outstanding ability to manage projects – providing quality assurance in terms of budget, schedule, and cost control.

RELEVANT EXPERIENCE

Mike Melocotan has a verifiable track record in construction management successfully completing multi-million dollar projects through coordinating trades, developing partnerships, and building positive rapport with architects, engineers, contractors and sub-contractors, local officials and clients while maintaining costs and schedule.

Mike is adept at maintaining contract documentation, tracking projects and costs, and developing reports. He is responsible for maintaining a full set of drawings, specifications, and submittals on site, a list of required permits, inspections, surveys and utility notifications, interfacing with administration regularly with regard to the construction process, and photographing work in place as a record for the Owner. Day-to-day activities also include management and coordination of the various trades, insuring that all work is performed as specified by the Architect/Engineer/Owner. Mike also attends all project meetings, conducts daily site inspections, prepares detailed field reports and monitors the progress of work in the field, including monthly payment requests, change in work directives, quality control and compliance with the construction schedule and site safety issues. He has extensive familiarity with K – 12 construction financing, budgeting, and scheduling criteria. He is highly knowledgeable in engineering change orders and is proficient in the use of Primavera scheduling software, Excel spreadsheets and database software.

Mike's advanced understanding of client needs in the K – 12 educational market and his diligent attention to detail results in outstanding client service and high levels of client satisfaction.

A representation of Mike's experience is listed below.

- ***Long Beach Public Schools*** - $98 million district wide renovations and additions at Long Beach High School and the Lido Complex; $24 million

in infrastructure work due to damage by Hurricane Sandy, and $4 million to rebuild the Administration Building.

- ***North Shore Central School District*** – $19.6 million infrastructure project (2014).
- ***Nassau Community College*** - $6 million parking lot reconstruction
- ***Hempstead UFSD*** - $33 million districtwide renovations including site access, lots, and athletic fields.
- ***Comsewogue UFSD*** - $14 million District-Wide Renovations including athletic fields, new parking lots, roads, and security.
- ***Rocky Point UFSD*** – $28.5 million District-Wide Additions and Renovations including parking lot rehabilitation.

Tony Darien

Civil/Structural Construction Inspector

EDUCATION

High School G.E.D.
Tech Drafting Course – Lehigh Technical Institute
MPT Training/New York State Thruway Authority

CERTIFICATION

NICET Level III

Tony Darien has served as a construction inspector on a variety of types of projects including transportation, and water treatment plants for public clients, including work at the World Trade Center Ground Zero.

RELEVANT EXPERIENCE

Tappan Zee Bridge Redecking, Phase II, NYS Thruway Authority project. Inspector -. Work includes removal of the existing bridge deck from the right and center lanes northbound and southbound from the eastern point of the superstructure to the Nyack shoreline. Along with oversight of the necessary demolition (saw-cut & removal of existing road deck) and the joint work between the new deck panels (grout & sealant applications); Mr. Darien also performed structural oversight of the installation of the panels. This included: monitoring the installation of new diaphragms, plates / brackets and bearing stools at floor beams; Inspection and monitoring of '2-cell, 4-cell, and 5-cell modular joints' between bridge spans; monitored re-bar and concrete placements at headers between bridge spans; and monitored daily maintenance of the ramped steel road-plate system (for MPT) during the process of new joint installations.

Bowery Bay Water Pollution Control Plant upgrade project. Sr. Construction Inspector Responsible for the inspection of the Primary and Final Tanks, including demolition and reconstruction. Inspected rebar installation, formwork and concrete pours. Responsible for the oversight of the Froth Control Building including foundations (grade beams and pile caps), masonry walls and Architectural finishes. Site work oversight included roadway grading and paving, curbs and concrete sidewalks.

Paerdegat Basin. Sr. Construction Inspector — Construction of an in-ground CSO retention facility for NYCDEP. Monitored installation of slurry wall shoring, including calculation and recording of quantity installed. Calculation and recording of quantities of various soil types excavated, stockpiled and removed from site. Checking re-bar installation and concrete pours for structure walls and floors.

World Trade Center Emergency for the Port Authority of New York and New Jersey Construction Inspector Computations of steel and debris tonnages (removed from Ground Zero and trucked over to the Pier-6 location), were documented as per shift. Responsibilities included reporting the final quantities to my supervisor; which were determined by the water-displacement levels of the barges, as they arrived empty and shipped out fully loaded. Worked around the clock on numerous day and evening shifts.

World Trade Center for the Port Authority of New York and New Jersey. Construction Inspector — Demolition and removal of existing 6" conc. Floor-slab at the B-1 level,

truck-dock area of the north tower. Steel corrugated decking and new 6" depth, reinforced conc. was than re-installed in manageable sections to accommodate truck traffic.

Removal of and upgrading of the existing H-Vac system in the north and south projection rooms of World Trade Center towers 1 and 2. The existing ventilating fans were directly above the path trains of tunnels E and F, which required supervising work along the tracks at off-peak hours. Obtained the necessary certification for this supervision (EIC/Employee in charge), on Sept. 6, 2001. Work had just begun.

Jamaica Avenue Reconstruction (127th Street to Sutphin Boulevard. Senior Inspector This was a high profile project in an area that is both commercial and residential. Major utility facilities were relocated to accommodate water mains, sewers, and drainage. Close coordination with two community boards (Q-9 and Q-13), merchants, and property owners was necessary to minimize disruption due to construction and interruption of water service. Jamaica Hospital was constructing a new parking garage adjacent to this project and special coordination was required there as well.

Project specifics included:

- 10,000 l.f. of distribution water mains
- 1,500 l.f. of sanitary sewers
- 1,100 l.f. of storm sewers up to 24" diameter
- 1,400 l.f. of storm sewers 30" - 36" diameter
- 10,000 l.f. of curbing
- 130,000 s.f. of sidewalk
- 15 reinforced concrete bus pads
- 3" asphalt on 9" concrete base
- urban park area
- drainage and ancillary structures
- extensive MPT including detours and the employment of traffic enforcement agents

Long Island Expressway (I-495) Reconstruction – Suffolk County, NY. Senior Inspector – This project included the construction of new High Occupancy Vehicle (HOV) lanes on the Long Island Expressway and the reconstruction of the LIE mainline pavement from Exits 57-61. A total of eight bridges were reconstructed and/or replaced. Construction encompassed three phases to allow for an unimpeded traffic flow.

Project specifics included:

- Drainage: Over 28,000 lf of RCP and PE pipe in sizes ranging from 15 in. to 42 in. diameter.
- Asphalt: Over 240,000 tons. All asphalt is placed in accordance with Superpave specifications.
- Sound Barrier: Precast concrete panels and posts are mounted on cast-in-place piers. 640,000 sf total
- Concrete Curb: 12,000 lf.
- Concrete Median Barrier: 30,000 lf, all precast.

Magdi F. Iskander

Construction Inspector

EDUCATION

Bachelor of Science in Mechanical Engineering

CERTIFICATIONS/TRAINING

Asphalt Institute - Hot Mix Asphalt Training
Structural Steel and Bolting Inspection
Masonry Society - Special Inspection of Structural Masonry
ACI 1 - Concrete Field Testing
OSHA 10 hour Construction Safety
Environmenal Issues Associated with Construction projects

Magdi Iskander has significant construction inspection experience with the Port Authority having been assigned to the Teterboro Airport project since its inception.

RELEVANT EXPERIENCE

As a Senior Construction Inspector, Mr. Iskander's responsibilities include management and coordination of the building trades, ensuring that all work is performed as specified by the Owner. He attends all project meetings, conducts daily site inspections, prepares detailed field reports and monitors the progress of field work, including monthly payment applications, change in work directives, quality control and compliance with the construction schedules & site safety issues.

Teterboro Airport for the Port Authority of New York & New Jersey. Construction Inspector. Work includes: taxiway renovations, drainage systems, drainage pipes, new hangar, terminal building, soundproofing, mechanical, sprinkler systems, fire alarms, emergency light and generators. Mr. Iskander's responsibilities include:

- Construction of new passenger terminal buildings, new taxiways and runways
- Entire Airport drainage system to be connected wit the main station (78" pipes, manholes, runway, taxiway side drainage perforated pipes and complete box culvert.)
- Construction of new underground fire hydrant system including 2500 feet DIP 8" steel pipe and six hydrants
- Manage New Hangar (4,250 SF).
- Provided sound proofing to local schools

New Rochelle City Schools, New Rochelle, N.Y.
$38.6 million for additions and renovations to several elementary schools. Completed new addition and renovation work on: Trinity Elementary School, (three story building; 64,000 square feet), three sports fields and replacement of New Rochelle fire alarm system to control underground water.

Scarsdale Union Free School District, Scarsdale, NY
$15 million addition to the Middle School. Completed new addition and renovation work on Scarsdale Middle School, 75,000 square feet, including large detention facilities and drainage systems to control all the underground water.

He utilized his industrial, mechanical engineering and electromechanical engineering experience here. His accomplishments are as follows:

- Developed new methods of production to improve cost efficiency and product quality.
- Designed the layouts for equipment for efficient and production in factories.
- Founded Al Doofa Establishment, an Engineering and Manufacturing Contracting firm.
- Organized deliveries of material to ensure timely completion of projects
- Planned the design and production of special tools as per specification.
- Evaluated contract costs for specific projects, including warranties.
- Handled all relations and contracts with manufacturing companies.
- Prepared tender bidding strategies and pricing policies.
- Prepared both shop drawings and as-built drawings.

Roshan Sidhar

Senior Construction Inspector

EDUCATION

B.C.E., Civil Engineering, Bhopal University, India, 1972

CERTIFICATIONS & TRAINING

NICET - IV
American Concrete Institute (ACI)
Hot Work Permits
Hazardous Communications
Lead & PCBs Hazards & Safety
Confined Space
Scaffolding – User Safety – NYC Dept. of Buildings
Welding (AWS)
OSHA Construction Safety & Health

Roshan Sidhar has significant construction inspection experience.

RELEVANT EXPERIENCE

Mr. Sidhar has over 35 years experience as an inspector on large wastewater plant improvement projects, buildings and transportation (roads and bridges) projects in Westchester, New York City and Connecticut. Degreed engineer with specific expertise in mechanical, structural and civil disciplines.

Senior Process Mechanical Inspector, New Rochelle Wastewater Treatment Plant. The project is a $235 million plant upgrade and BNR upgrade at the New Rochelle Wastewater Treatment Plant.

NYCDEP – Wards Island Water Pollution Control Plant. Provided mechanical, structural and civil inspection for plant stabilization upgrade and improvements of structures and equipment. The following were some of his areas of responsibility.

- **Aeration Tanks Upgrade, Modifications, Improvements and Repairs.** Repairs of damaged y-walls, tank floors, installed new expansion joints, baffle walls, ceramic & EPDM diffusers, process air piping system, froth hoods, surface wasting lines, purge system, sluice gates, mixers, sensors, concreting, handrails, and structural support towers for process air piping and headers.
- **Final Settling Tanks** – Responsible for the installation of new bearings at flights, new electric motors and control system, cross collector drives, maintenance of collector shafts, & cleaning & dewatering.
- **Pump and Blower Building** – Work included demolition of existing process air blowers, motors, oil lines, blow off lines, and installation of new blowers, motors, silencers, heat exchangers, valves, oil pumps & cooling lines.
- **Return Sludge Pump Stations** – Demolition of old system structures and equipments, and replacement with new return activated sludge pumps & sensors, waste activated sludge pumps and sensors, equalizing lines, valves, gauges, and new seal water system.
- **Sludge Storage Tanks** – Work included demolition of existing centrifugal pumps and installation of new centrifugal pumps to transfer sludge to the dewatering

- building. Installed new sensors, switches, pads, and seal water system and controls.
- **Hypochlorination Facility** – Installed new 6000 gals storage tanks for sodium hypochlorite pumps, fill ports, piping, valves, gauges, and control system. Also installed hypochlorite piping system, instrumentation, and truck unloading containment areas/pads.
- **New Electrical Substations** – Installed piles, foundations, grade beams, steel structural-framing, curtain & masonry walls, roofing, equipment, switchgears and transformers.
- **Yard Piping and Utilities** – Installed air headers with fixed and sliding supports and new city water and fire lines and hydrants.
- **Pipe Galleries** - Installed new centrate lines, surface wasting lines, process air piping system, sodium hypochlorite lines, supports and hanger system, concrete pads for panels and equipments, controls for heat tracing system, process air lines in the effluent and influent channels.
- **Instrumentations/Control and Mounting** - Installation of level sensors, venturis, suspended solids/ph sensors, transducers, fill tank control panels, grounding, overflow relay, flow meters, magmeters.

New York City DEP, Bowery Bay Water Treatment Plant Upgrade. Chief Inspector for the Construction work included all civil and structural work including masonry, steel and installation of roofing as well as excavation for electrical work. Responsible for change orders and estimates.

New York State Hudson Valley Transportation Management Center. Senior Inspector for inspections of site work, upgrade of drainage system, installations of underground utilities, grading, retaining wall, curbs, paving, concrete, steel reinforcement, metal fabrications, steel structure, masonry, roofing, all steel, architectural and civil construction activities, review of shop drawings and of all reports. Construction inspection services for this important facility included: excavation, utility relocation, concrete foundation, steel superstructure, architectural finishes and landscaping.

Lincoln Hospital, Bronx and Harlem Hospital, Manhattan. Senior inspector for construction of Responsibilities included overseeing all renovation and new construction work at emergency ward, pediatric ward and the pre-natal ward. Duties also included supervision of all construction activities, like flooring, walls, roofing, HVAC, elevators, medical gases, fire stopping and protection, hatchways, steel beams (structural steel work), masonry, metal and wood work and other related site work.

Administrative duties on these projects included evaluation of bids, selection of subcontractors, submittal of work material to architect and the hospital corporation for approval, updating drawings, estimating, preparing work schedules, progress meetings and overseeing QA program.

Yonkers Joint Wastewater Treatment Plan.t Senior Inspector — Inspected the series of work activities for engine modifications, blower reconditioning and other related improvement work. workmanshjp, protection of utilities and structures, reviewed

Thomas M. Tanner

Construction Manager

CERTIFICATIONS/TRAINING

Asphalt Institute - Hot Mix Asphalt Training
Masonry Society - Special Inspection of Structural Masonry
ACI Training, Repair of Concrete Bridges, Parking Decks, and Other Transportation Structures
SSPC, C-1, Protective Coatings for Industrial Structures Training
ACI, Concrete Reinforcement and Concrete Repair Inspection for Transportation Structures
Construction Estimating
Construction Blue Print Reading
Advanced Water/Wastewater Operations 1 & 2
OSHA 10 hour Construction Safety- 2014

Thomas Tanner is intimately familiar with the processes and facilities of the Port Authority having provided construction management services on various projects over a period of 10+ years.

RELEVANT EXPERIENCE

Mr. Tanner has over 18 years of diverse construction inspection experience ensuring compliance with plans and specifications of projects involving civil, structural, mechanical, architectural, and environmental engineering. Experience includes:

- Field assessment of concrete and structural steel
- High rise building construction: foundation, superstructure, electrical, plumbing, mechanical & office fit-out
- Sewer and water line installation/rehabilitation
- Assistance in project start-up and all phases of project construction. Also responsible for quality control, daily reporting, and quantity measurements.

Port Jersey, Port Authority of New York and New Jersey. Construction Inspector for Building 108 roof rehabilitation at Port Jersey. Priority protective measures for flood protection. TAA-PJ-002, RCCL Berth N-1, cut off wall repair.

Harrison Station Intermodal Improvements, Port Authority of New York & New Jersey Construction Inspector for improvements and enhancements to the Harrison Station. Project included demolition to existing staircase and rebuilding new staircase and platform, including handrails and lighting.

PATH – Journal Square, Port Authority of New York and New Jersey. Construction Inspector for security work at the PATH station. Night work included mitigation, flood gates and electrical improvements.

Port Newark Capital Projects, Port Authority of New York and New Jersey. Construction Inspector, Port Newark Wharf Reconstruction of Berth 8 & 10

- Pile Driving – Total of 430 18" steel pipe piles filled with reinforced concrete – 207 Closed end plumb pipe piles with rock crusher tip, 98 Closed end battered pipe piles with rock crusher tip, 99 Open end pipe piles with 20' deep rock socket
- Rotex Pile Driving – 26 18" open end pipe piles with 10' deep rock socket filled with reinforced concrete forced concrete pile caps, cross beams, steel sheet piling cap, face of wharf sea wall & 80' x 652' reinforced concrete deck
-

- Setting 35 ton reinforced precast concrete pile caps & 8" thick precast panels on top of the precast pile caps for a 70' X 652' 8" Thick Cast-In-Place reinforced concrete deck with a 10" x 652" 8" thick C.I.P reinforced concrete approach slab
- Overall total rehabilitation limits of construction 120' X 752" with the upland infrastructure & tying into the east & west existing berths
- State of art Fender System, Ballard's, Timber Curb System
- Outfall System
- Upland Infrastructure
- Paving

Senior Construction Inspector – Demo of Building 291 and Upgrades to Railroad Crossings throughout Port Newark

PA Facilities Port Newark Tenant Alteration Applications (TAA'S) Hoboken, Legal Center, Jersey City/Bayonne Auto Marine Terminals, Elizabeth Industrial Park, Bathgate Industrial Park. Also immediate repairs and work orders in all the above locations

Construction Inspector for a 140,000 sq. ft. two-story steel framed educational campus building in the Bronx, New York. The building consists of three distinct high schools of 500 students each. Mr. Tanner on behalf of the Port Authority of NY & NJ performed inspections including, but not limited to: Above Ceiling and Elevator Inspections, Sprinkler System testing on all tamper and flow switches, Emergency Generator load tests, Emergency lighting testing, Fire Alarm System Testing: Fire Damper Testing, All strobes and audible alarm devices were tested to ensure proper operation during an emergency; Facility Occupational Health Inspections for Kitchen/Dining Areas, Other life safety equipment was inspected and approved

Construction Inspector – Waterfront Corporate Center, Hoboken, N.J. Port Authority of New York and New Jersey, Construction Inspector on all phases of construction including:

- Electrical Inspection for construction use and permanent power
- Ceiling Inspection, spray on fireproofing, sprinkler piping hangers including seismic bracing, ceiling grid, hangers for ceiling grid, including seismic bracing for ceiling grid and electrical inspections.
- Sprinkler system installation and testing, Spray on fireproofing inspection for columns and beams
- Fire Pump Testing
- Fire Alarm System Testing
- Smoke Exhaust System Testing
- Stair pressurization inspection
- Emergency lighting testing
- Emergency generator testing

Port Authority Staten Island Bridges. Construction Inspector Construction Inspector on the **Port Authority of New York & New Jersey/Outerbridge Crossing** – Construction

George G. Van Sant

Senior Construction Inspector

RELEVANT EXPERIENCE

Mr. Van Sant has over 35.years of construction experience.

2009-2010

Resident Engineer, New Rochelle WWTP - Resident Engineer for the demolition of obsolete equipment project at the New Rochelle WWTP. Mr. Van Sant provided inspection and construction administration services for project which involved the removal of outdated equipment and piping, including two former sludge incinerators and their associated pollution control equipment. Project also involved the relocation of a natural gas pipeline and replacement of the existing meter and regulator assemblies. Project also included the cleanout, dewatering and disposal of residuals from two enclosed pure-oxygen aeration tanks. Access to these tanks was provided by temporarily removing the existing surface mixers. Mr. Van Sant coordinated contractor's activities with ongoing plant operations including shutdowns and treatment systems isolation to facilitate demolition activities.

2006-2009

Senior Construction Inspector (Night shift) – World Trade Center PATH Transportation HUB, New York – Responsibilities included – opening and closing of general orders in coordination with MTA Transit on the #1 line and the R&W lines. This was track work which entailed complete power outages on either of those subway lines in order to complete the contract work or emergency track/tunnel sub-contractor monitoring work to detect any movement/settlement in subway station or in tunnels caused by nearby demolition at the WTC contract work. Work duration was usually between 11 pm and 7 am. Power had to be restored by 5 am in preparation for morning rush hours. During this time, Mr. Van Sant would be in continuous contact with an MTA Track Engineer, Track Supervisor for that sector and MTA Flag Persons, who would monitor and protect the outage areas for the safety of all personnel involved. Responsibilities include:

- Oversee any work connected with underpinning of the 1-Line contract, including, minipile driving, track removal and replacement; preparation for temporary structural steel placement; constructing and monitoring protective barriers and any other track related underpinning work.

- Oversee and record any and all work activity related to site demolition, including safety, in coordination with contractor supervisor, work location(s), work crew manpower, machines, equipment and materials used.
- Oversee any nearby related street/roadway activities.

- Responsible for safety of PATH customers passing beneath, through or near contract work areas, usually involving water penetration and cleanliness of temporary PATH underpass stairways, escalators and walkways.

- Oversee and record all General Conditions work, paid on a T&M basis. This work involved all East Sector site maintenance, safety, clean up, delivery and removal of machines and equipment from site and other on-going shift personnel and activities (i.e. lighting, repair and maintenance equipment, machines and personnel).

1999-2006
Mortgage Plus Financial Group, Newark, NJ - Duties include:

- Provided inspection reports on various properties
- Supervised construction – reconstruction – repairs for clients
- Received and reviewed architectural prints, constructions permits, etc.

1994-1999
Port Authority of NY&NJ, New York, NY - Duties include:

- Reconstruction of various sections of the Vista Hotel post '93 bombing including:
  - Installation of new commercial kitchen, dining hall and related facilities.
  - Inspection of utility testing including pipe pressure and leakage testing & disinfection
  - Inspection of plumbing, HVAC, steam lines as well as waste facilities, grit trap, automatic fire suppression systems
  - Manage field changes and change orders
  - Commissioned all equipment including startup testing & training
  - Coordinate with PA Code Compliance Division.

Morgan H. Scott

Senior Construction Inspector

EDUCATION

SUNY College at Brockport

CERTIFICATIONS/TRAINING

NICET Level III
ACI 1 - Concrete Field Testing
Structural Steel and Bolting Inspection - 2009
OSHA 10 hour Construction Safety- 2008

RELEVANT EXPERIENCE

As a Senior Construction Inspector Mr. Scott's responsibilities include insuring that all work is performed as specified by the Owner. He attends all project meetings, conducts daily site inspections, prepares detailed field reports and monitors the progress of work in the field, including monthly payment requests, change in work directives, quality control and compliance with the construction schedule & site safety issues.

Lead /Senior Civil Inspector at Stewart International Airport for the Port Authority of New York and New Jersey. Mr. Scott is performing construction inspection services on several projects at the airport including:

- Long Term Parking Lot Expansion - Project includes cut/ fill, placement of subgrade material choker stone, #2 stone and then pave. Contractor will realign toll booths and supply power to the new parking lot lighting system and communications to the new toll booths. Contractor also installed steel faced curbing, ductbanks, drainage structures, manhole structures, new light poles, overhead signs and a traffic signal.

- Rehabilitation of the Weather Instrument Power Circuit
  Installed the Infrastructure for the New WIP Circuit. (Included installation of Manholes/Handholes Electrical and Communication Ductbank) Excavation / Rough Grading /High Early Concrete.

Project Superintendent – Rockland Children's Psychiatric Center. Performed on site construction management for this important DASNY project. This new 56-bed facility included site preparation, excavation, utilities, reinforced concrete foundation, steel superstructure and building enclosure. It will provide an environment that supports a multi-faceted effort to improve clinical research and training in the field of children's mental health.

Senior Inspector – Teterboro Airport reconstruction for the Port Authority of NY&NJ. Duties include on site inspection of security fencing upgrades, soil erosion and

sedimentation protection measures, taxiway extensions and coordination with airport operations.

Senior Civil Inspector – Teterboro Airport – New Taxiways and Taxiway Improvements/Tenant Hangar & Administration Buildings – Responsibilities include:

- Civil Inspector for the new hangar and administration building erection. Involving structural steel erection, reinforced concrete floor slab installation & steel corrugated roof installation.
- Inspection of all utilities associated with these hangars and buildings, water main and sewer tie-ins.
- Inspection of installation and construction of several new high-speed taxiways, involving the excavating of unsuitable material, undercutting, backfilling and asphalt paving.
- Participation in the preparation of cost estimates
- Preparation of all required job related paperwork such as Daily Narratives, T&M records, etc.
- Reviewing of Plans & Specifications for completeness, accuracy and constructability.

Senior Inspector –TANY 00-47 Reconstruction of I-87/287 Interchange or Interchange 8.

- Involved in the inspection of the reconfiguration of Interchange 8.
- Involved in the Construction of Pre-cast Concrete Piers, Inverset Panels.
- Involved in the Realignment of ramps on the westbound side of I-287.
- Involved in the Construction of a New Bridge connecting the Saw Mill River parkway with I-287 west and Route 119.
- Installed steel bearing piles, and pre-cast concrete slabs at the Tappan Zee toll plaza.

Senior Inspector – Worked on multiple projects, including TANY 99-13B & 12B. Rehabilitation of Three Bridges Over I-87 & Rehabilitation of I-87 Over Sawmill River Parkway and Northbound Ramp.

- Involved in inspection of elastometric bearing installation, both fixed and expansion.
- Pedestal reconstruction, concrete deck repairs both partial and full depth.
- Responsible for installation of guide rail and protective fencing, structural lifting operations, concrete testing, in classified excavation (stone fill, trench excavation) and MP&T compliance.
- Handled steel spicing, joint removal and replacement, as well as bridge painting.

Senior Inspector – Construction Engineer - Worked on 5 projects: TANY 00-3A, 99-70 & 99-74, Construction of Maintenance and Garages.

- Erected 2 maintenance garages, on each at East Fishkill and Middletown section Maintenance areas, on I-84.
- Poured concrete footings, foundations and floors.
- Erected wood frame buildings using a truss system roof.

Venard Johnson, Jr.

Senior Construction Inspector

EDUCATION

B.A. Oswego – State University of NY, 1998
Pace University – Construction Management
Forensics of Sustainable Architecture Certificate, Summer 2009
Mechanics Institute - Professional School for Tradesmen
Construction Project Management Certificate - April 2009

CERTIFICATIONS/LICENSES

OSHA-30
7hr. Site Safety Manager Certification
NYCDOB Registered Licensed Construction Superintendent
ACI - Pending

RELEVANT EXPERIENCE

Mr. Johnson is a NYCDOB Registered Licensed Construction Superintendent with over 10 years of industry experience. He has proven track record of success in achieving budget and quality goals on Multimillion-Dollar projects. He excels in Planning, Phasing, Coordinating, Blue Print reading, Contract Administration, Schedule Management and Cost Control. Dedicated to completing projects on time while following all OSHA, Facilities, and Company Safety Guidelines.

Project Superintendent – Currently serving for Confidential and Secure Security Projects at JFK Airport. Managing and coordinating all multiple trade construction activities for various projects. Performing construction installations, phasing, scheduling, and quality assurance management.

Checkpoint Digital CCTV Installation Project for Multiple Terminals JFK Airport - $16M Project. Manage electrical contractor conduit and camera installations. Supervise and plan installations for various Airline Terminal Checkpoint Areas. Coordinate with TSA and Facility Management. Supervise restoration of penetrations to structures containing asbestos. Managed manpower, material, equipment and access for secured area installations.

Delta Barrier and Gate Arm Installation Project for Multiple Guard Post JFK Airport - $13M Project. Construction Manager for Electrical Contractor Gate Arm and Delta Barrier Installations of various JFK Guard Post. Supervised and Planned Installations for Electrical Wiring and Controls. Supervised restoration of Roadway and Curbs on Air Side and Land Side after underground conduit installation. Managed Manpower and Access for Secured Air Side Installations. Performed Construction Phase and Coordinated Scheduling Management.

Police Radio Communication Expansion Project for Terminal 5 JFK Airport - $3M Project. Managed electrical contractor Fiber Optic cable and Antenna installations. Supervised and planned installations for Departure, Arrival, Public, and Secured Areas. Supervised restoration of penetrations to structures containing asbestos. Managed manpower, material, equipment and access for secured air side installations.

NYU Langone Clinical Research Facility Renovation Fit-Out Project - $30M Project. Planned and supervised installation layouts for electrical, mechanical, carpentry, structural, and masonry contractors. Handled strategic demolition management for occupied building. Supervised multiple story facility build out.

Two Way Radio Communication Expansion Project for Port Authority Tunnels - $17M Project. Managed and coordinated all electrical contractor construction activities including manpower, materials, and equipment. Monitored layout installation plans for fiber optic and radiating cable which included monitoring cable testing and inspection for installation specification. Implemented and enforced all Port Authority established construction policies and safety procedures.

Perimeter Strengthening Project for Port Authority LaGuardia Airport - $9M Project. Installed reinforced concrete barriers and security fencing installation. Inspected concrete for all perimeter barriers, ballards and fencing to ensure they were completed and built as per contract drawings and specifications. Phased and scheduled all contactor airport installation.

Construction Inspector - Manhattan Bridge Rehabilitation - In partnership with the New York City Department of Transportation (NYCDOT) - $160M project which included rehabilitation to the Lower Roadway, Brooklyn Plaza, Sands Street realignment, and Street lighting. Inspected welding and alignment of new grid deck, stringers, and floor beams of new steel installation. Inspected and coordinated excavation and compaction for concrete and asphalt. Inspected installation of piping for roadway drainage system. Safety inspector for burning operations for removal of old steel beams, stringers and grid deck. Electrical inspector for removal/installation of conduit and cable for lighting and traffic signals.

Con Edison Construction Inspection Services Westchester County, New York - Coordinated and monitor MPT for various Con Edison operations in accordance with NYSDOT approved MPT plans. Performed construction inspection services on Con Edison contracts for gas main, conduit, and over head high voltage cable installations. Performed and monitored asphalt standardized tests for quality and strength. Documented field measurements and sketched work for report. Maintained all records in accordance with NYS Manual of Uniform Record Keeping (MURK)

Sidewalk, Pedestrian Ramp, and Curb Restoration Project in Borough of Queens - In partnership with the New York City Department of Design & Construction (NYCDDC) - $80M Project. Coordinated, setup and monitored MPT.

Thomas D'Addio

Structural Engineer

EDUCATION

B.S. - Civil Engineering, Syracuse University

CERTIFICATION

EIT Certification, April 2011

MEMBERSHIP

SRC/LCS Engineering Ambassadors - Member
Order of the Engineer – Member

COMPUTER SKILLS

STAAD.Pro, RISA 3D, AutoCAD, Mathcad, Microsoft Excel, Word & PowerPoint

RELEVANT EXPERIENCE

Binghamton Johnson City Joint Sewage Treatment Plant - Backwash Equalization Tank Stabilization Project.

Chief Inspector/Project Engineer – Contract included installation of geofoam and placement of controlled low-strength material adjacent to existing tank walls to reduce lateral loading. Mr. D'Addio's responsibilities include:

- Coordinate with contractors
- Inspection of excavation and stabilization of tank walls
- Coordinate change orders
- Prepare meeting minutes and lead progress meetings
- Photo documentation of project progress
- Process payment
- Prepare close out reports

Binghamton Johnson City Joint Sewage Treatment Plant - Interim Demolition

Chief Inspector/Project Engineer – This project included installation of steel bracing, demolition of existing reinforced concrete walls and media removal. Mr. D'Addio's responsibilities included:

- Coordinated with contractors
- Inspection of demolition and installation of steel bracing
- Coordinated change orders
- Prepared meeting minutes and lead progress meetings
- Photo documentation of project progress
- Process payment

- Utilize Primavera Contract Management
- Prepared close out reports

Throgs Neck Bridge Repairs
Construction Inspector/ Engineer – Worked as an onsite construction inspector and office engineer assisting in construction management for the MTA (Metropolitan Transportation Authority) on the 15 Million Dollar Anchorage and Tower Protection Project and the 47 million dollar Interim Repairs of Orthotropic Deck Structure Project at the Throgs Neck BridgDaily responsibilities for field work included inspection and preparing reports for: installation of FRP piles and steel fenders, construction of new steel walkways, inspection of existing structural elements, installation of new navigation and decorative lighting systems, and repairs of deteriorated steel members. Additional responsibilities included daily coordination with the MTA throughout the project, from the onset of design, through construction and finished work to uphold quality standards while maintaining a mandated schedule of deadlines. Office tasks and responsibilities included additional coordination with the MTA, preparing estimates for change orders, verifying shop drawings and work records, and compiling quantities of work completed for payment.

Paerdegat Basin CSO
Construction Inspector – Worked as an onsite construction inspector assisting in construction management for the DEP (Department of Environmental Protection) on the Paerdegat Basin CSO Improvement Project. Scope of work for the project included inspecting and preparing reports for: excavation, removal, and shoring of existing roadway and sewer pipe, construction of concrete pipe, manholes, and supporting reinforced concrete pads, and the installation of supporting timber piles for sewer pipe cradle. Additional responsibilities included coordination with the DEP and monitoring all daily work activities to maintain proper safety standards.

Structural Engineer– Responsible for project coordination tasks and deliverables including:

- Designing structural steel members
- Generating computer models for analysis
- Providing structural calculations for steel framing and concrete reinforcing.
- Reviewing shop drawings and specifications
- Creating drawings and sketches
- Performing structural inspections of repairs
- Preparing written technical reports
- Coordinating with contractors and responding to RFI's.

John V. Codella

Civil/Structural Construction Inspector

EDUCATION

Nassau County BOCES – Architectural Drafting
Nassau Community College – Elementary Surveying I
Various computer and drafting course

CERTIFICATION

Level III Inspector, Heavy Highway Construction
N.I.C.E.T. Certification # [redacted]
OSHA Course completed 2012

RELEVANT EXPERIENCE

Mr. Codella's 28 years of experience on major highway and bridge construction inspection projects with the NYS Department of Transportation includes a strong background working in topography, surveying and drafting. Project responsibilities include concrete testing, soil sampling and testing, asphalt paving, erosion control and Maintenance and Protection of Traffic. Duties include supervision and control of contractor's construction activities, enforcement of safety standards, accurate payment and reporting of contract items and quality assurance of material specifications. Major items of work involve concrete and rebar installation for bridge substructures, concrete and asphalt paving, drainage installation and stone bridge construction.

Senior Inspector: Bronx River Parkway Bridges at Crane Road, Westchester County
Mr. Codella is providing construction inspection services for the replacement of the Bronx River Parkway Bridges, at Crane Road over the Bronx River and Metro-North Railroad in the towns of Scarsdale and Greenburgh.

Senior Inspector: NYSDOT - Reconstruction of Cross Westchester Expressway I287 Stage III, Harrison, N.Y. $141M
Senior inspector in charge of subbase placement and asphalt paving operations; excavation and embankment operations; precast culvert and guide rail installation. Supervised rebar installation and concrete placement for bridge footings, abutments, wingwalls and pedestals.

Senior Inspector: NYSDOT - Reconstruction of Taconic State Parkway, Yorktown, N.Y. $68M
Inspector in charge of asphalt paving operations, subbase placement, drainage and precast culvert installation, guide rail installation, wetlands mitigation and soil erosion control and final computations.

Senior Inspector: NYSDOT - Reconstruction of Route 6 and Construction of Bike Trail,

Town of Carmel/Mahopac, N.Y. $6M - Duties on this project included installation of GRES Wall, precast box culvert installation, rehabilitation of existing drainage system, paving operations, wetland creation, fence and guide rail installation and supervision of inspectors and final computations.

Senior Inspector: NYSDOT - Reconstruction of the Hutchinson River Parkway, Rye Brook, N.Y. $30M - Inspector in charge of Daily Maintenance and Protection of Traffic, paving operations, stone bridge rehabilitation, guide rail installation and final drainage computations.

Senior Inspector: NYSDOT - Reconstruction of Route 9, Town and City of Poughkeepsie, N.Y. $10M - Inspector in charge of Daily Maintenance and Protection of Traffic, slipform concrete median barrier installation and paving operations.

Senior Inspector: NYSDOT - Reconstruction of the Saw Mill River Parkway, Towns of New Castle and Mount Pleasant, N.Y. $9M - Duties on this project included the creation of an 8' shoulder, installation of new storm sewer systems, traffic signal rehabilitation, granite curb and concrete sidewalk installation, topsoil placement and establishing turf. Final computations for drainage quantities.

Senior Inspector: NYSDOT - Reconstruction of the Saw Mill River Parkway, Towns of Pleasantville and Mount Pleasant, N.Y. $7M - Duties on this project included creation of an 8' shoulder, installation of new storm sewer system, plantings and extensive stone bridge rehabilitation. Emphasis placed on Maintenance and Protection of Traffic and final computations for quantities.

Various Civil Engineering firms working as a topographic, survey and engineering draftsman.

Lorraine Zeller

Sr. Construction Inspector

EDUCATION

B.A. Geology, State University of New York, New Paltz, 1983

CERTIFICATIONS

40 Hr Health and Safety Operations at Hazardous Materials Sites, 29CFR 1910.20
10-Hr Construction Safety Awareness Training, 29 CFR 1926

RELEVANT EXPERIENCE

WORK EXPERIENCE HIGHLIGHTS

- NYSBA-Newburgh-Beacon Bridge Expansion joint replacement
- NYSTA – I-87 I-84 Interchange Phase II at Newburgh, NY
- DCW&WA – Water main installation – Rail trail & Hyde Park
- NYSTA – Noise walls & rock outcrop remediation
- NYSDEP – Restoration of West Branch Dam
- Landfill Closures

Inspector, TANY 10-18 D213941, Safety Upgrades at Mile Post 46.0 thru Mile Post 60.5, New York Division, Orange County
Project consisted of upgrades to the guide rails throughout the project. Drainage upgrade including culvert extensions / replacement, headwall removal and replace A.O.B.E. drainage. Structure alterations at various locations. Flattening of slopes, shoulder backup throughout project. Project includes various visual inspections and as needed safety upgrades.

Geologist/Inspector – NYSBA-Newburgh - Beacon Bridge – North Span – Responsible for the field inspection for the NYSBA North Span expansion joint replacement. The scope of the project was the removal of fifteen modular joints and replacing them with steel finger expansion joints. The project included saw cutting the bridge deck, disassembling the existing joints, and then removing the sections with a crane. Then the new joint was assembled and installed. The diaphragm, angle clips and scuppers were bolted to the existing steel structure. The new finger joints were lower into place with a crane. Once in place the finger joint was then bolted and welded to the steel structure of the bridge. Inspected the installation of the joints and the torque testing of the bolts. Inspected the painting of the newly installed structure and the clean-up which included the removal of debris and scaffolding. The project spans over two railroad tracks and the main channel of the Hudson River. Coordinated with Metro-North, CSX and tug boats to stop work when they were approaching to pass under the work zone.

Environmental/Construction Inspector – NYSTA-I-87 & I-84 Interchange Phase II - Responsible for field inspection for NYSTA Interchange Phase II. This phase constructed six new buildings including maintenance buildings, two salt sheds, two-toll plazas, a toll

plaza building and NYS trooper barracks. The project included demolition of all existing buildings on site and relocating all utilities. Responsible for the inspection of all undergrbund utilities – sewer, water, storm drains, telephone and electric lines. Inspected the installation of pipe, valves, hydrants, pre-cast vaults and manholes. Observed subcontractor set up equipment to tunnel under I-84 and Route 300. Once all the utilities were in place, witnessed the disinfection and hydrostatic testing of the water lines and the pressure testing of the sewer lines. Assisted with environmental issues such as collecting soil samples to be tested for contamination before the slab foundation is poured. Observed subcontractors remove asbestos from several buildings slated for demolition.

Witnessed the demolition of old buildings. Inspected the excavation for building footings and retention ponds and calculated soil volumes. Helped with the inspection of the new buildings which included the re-bar and form work for footings, grade beams, and the installation of roof trusses. Assisted with the concrete pours by coordinating with the concrete testing lab's inspector, checking truck tickets and observed the placement of the concrete.

Inspector – Dutchess County – Central Dutchess Water Transmission Line – Responsible for field inspection for the Dutchess County Water and Wastewater Authority water transmission line. This twenty-four inch water line was designed to bring water from Poughkeepsie to IBM's East Fishkill manufacturing plant. This is the same thirteen-mile waterline project for which she supervised the soil borings while working for Savin Engineers, P.C.. Worked with clearing and grubbing crews to insure that they stayed inside project boundaries. Inspected the installation of silt fence and haybales along the railroad corridor and the roadways. Prior to the installation of the pipe, worked with blasters. There were several miles of rock, which had to be blasted before the pipe could be installed in the ground. Responsible for the preparation of blasting reports with detailed drawings of the blast layout. Inspected the installation of ductile-iron pipe, valves, hydrants, thrust blocks and the installation of pre-cast vaults. Observed the contractor set up equipment and tunnel under streams, state and county roads. Observed the installation of forty-eight inch concrete pipe, which would house the twenty-four inch ductile-iron pipe. Witnessed the disinfection of the waterline and observed the contractor perform hydrostatic testing of the pipeline. Conducted weekly environmental survey and implemented the Storm Water Pollution Prevention Plan (SWPPP) prepared under the requirements of New York State Department of Environmental Conservation SPEDES Permit No GP-02-01. This task included record keeping and weekly inspection of the site for environmental problems. Issued a weekly report to the contractor dealing with deficiencies and required actions to comply with the SWPPP.

Inspector – NYSTA – Noise Barrier Wall – Responsible for conducting field inspections at a NYSTA noise wall projects at Spring Valley and Hillburn.

John J. Franco

Structural Inspector

EDUCATION

B.S. – Civil/Environmental Engineering, Manhattan College, NY, 2012
Liberal Arts & Social Sciences, Westchester Community College

AFFILIATIONS

Member of ASCE Student Chapter at Manhattan College.
Member of The New York Water Environmental Association.

SKILLS

Microsoft Office, familiar w/ AutoCAD, HECRAS, EPANET, SWMM, Primavera Contract Manager, Fluent in Spanish

RELEVANT EXPERIENCE

Mr. Franco's experience includes working as a Construction Manager where he used Primavera Contract Manager to produce daily reports, file submittals and RFI's; prepared meeting minutes for all construction team personnel; prepared schedules for contractors concerning construction activities in accordance with due dates and reviewed payment applications for processing. He recently performed construction inspection at the New Rochelle Wastewater Treatment Plant for the BNR and non-BNR contracts. Specific Project Experience includes:

Structural Construction Inspector - New Rochelle Wastewater Treatment Plant, New Rochelle, NY

- Inspected installation of reinforcing steel in accordance with the contract documents and approved shop drawings for the walls and foundation slabs associated with the UV Building, Process Control Building and BNR Building.
- Inspected the fabrication and installation of concrete formwork for walls, foundation slabs, suspended slabs, and beams associated with the UV Building and BNR stair tower, equipment galleries and backwash tanks. Checked for wall and slab thickness, beam dimensions, waterstop locations and installation, and keyways.
- Inspected installation of structural steel framing and metal deck associated with the Process Control Building garage.
- Inspected placement of 5,000 PSI concrete for the filter cell walls for the BNR Building and junction chambers walls for the UV Building. Concrete placement was in accordance with the contract specifications in regards to mixing requirements, time restrictions, and curing requirements.
- Witnessed and recorded concrete testing including slump test, air test and temperature test.
- Inspected installation of upper and lower grid piping and grid air brackets in the N and DN filter cell walls for proper spacing and elevation.

- Ipected assembly of 30-inch diameter static mixer and spool for N and DN filter cells, mechanical joints, 30-inch butterfly valves, and 42-inch diameter stainless steel backwash piping.

Construction Manager - Hawthorne PEARLS Elementary School, Yonkers, NY

- Full Interior Restoration (Classrooms, Hallways, Restrooms) and Abatement New windows and new roof
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.

Construction Manager- P.S 10, Yonkers, NY

- Masonry repairs, new roof and Abatement work
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor

Construction Manager - Saunders H.S, Yonkers, NY (Kitchen Renovation)

- New kitchen plumbing and electrical. New floor, ceiling, paint. Abatement
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.

Construction Manager - Saunders H.S, Yonkers, NY (Athletic Field Restoration)

- Excavation, grading, storm drain installation and synthetic field installation.
- Daily Reports, took pictures every day to show progress of job, reviewed submittals and made sure material used was correct, helped answer RFI's, Meeting minutes, reviewed Payment requisitions, scheduling. Constant interaction with every contractor, client and own supervisor to let them know everything that's happening on the job. Made sure all aspects of the job followed the Specifications.
- Assisted in testing concrete for the drains.

Construction Manager - Lincoln H.S, Yonkers, NY

- New Handicap ramp, new bathrooms to accommodate the handicapped, installed new handicap lift in auditorium, installed new eye/face wash stations.

Michael Balagula, P.E.

Instrumentation & Controls, Electrical

EDUCATION

MSEE/1971/Automation of Electrical Machines for Petroleum Industries/Petroleum College, Odessa Former USSR

Graduate Study: Computer Science II - 1982/24 Credits Toward Masters Degree in Computer Science/Cleveland State University/Cleveland, Ohio

CERTIFICATION

Professional Engineer/WA

PROFESSIONAL SOCIETIES/AFFILIATIONS

ISA - Instrument Society of America
IEEE - Institute of Electrical and Electronic Engineers
NFPA - National Fire Protection Association

TRAINING

Configuration and Programming of PLC systems Allen-Bradley training course 1995
Engineering Configuration of Ovation DCS systems by Emerson 2002

RELEVANT EXPERIENCE

Mr. Balagula has more than 35 years of project experience in large-scale municipal projects involving preparation of plans and specifications, construction management and resident engineering. Responsible for design of electrical and control systems, pump stations, electrical and process equipment selection for wastewater, water, chemical, petroleum, fossil and waste-to-energy plants; paper mills and hazardous waste processing. Supervise the electrical and control system engineering staff with overall responsibility for the conceptualization, design of electrical and instrumentation systems for industrial, waste water, hazardous waste, and solid waste projects. Outline scope of work and define system architecture based on the process requirements. Responsible for preparation of detailed specifications, electrical One Lines, Electrical Load plans, schematics and P&IDs as a complete bid package.

NYCDEP, Hunts Point WPCP Stabilization Design, Bronx, NY:
Electrical and Control Systems Design Engineer, Design of instrumentation and control for the upgrade of this 200-mgd WPCP including upgrade of the main 400-mgd sewage pump lift station. The project includes a plant wide digital distributed control system (DCS). Data will be transmitted from distributed control units located throughout the plant via a fiber-optic data highway to the central plant control room. The DCS will provide centralized supervisory control, monitoring, recording, reporting, and trending capabilities.

Nassau County, Cedar Creek Wastewater Treatment Plant, Cedar Creek, NY: Electrical and Control Systems Design Engineer, responsible for construction administration of electrical and instrumentation systems for this wastewater treatment plant upgrade project. The plant, with a capacity of 120 mgd, underwent major expansion including a large-scale upgrade to the digester facility. Designed 120-mgd main sewage pump lift station. Significant involvement with the computer system that controls and monitors a diesel generation facility, including electrical power distribution system; implementation of Distributed Control System (CDS) manufactured by Fisher and Porter that controls second stage aeration. Assisted in the development of plant Designed flow distribution algorithm to optimize BOD treatment. Designed distributed SCADA system for four 3,000 kW diesel generators. Developed detailed P&ID and interconnecting wiring diagrams based on the manufacturer shop drawings

NYCDEP, Flushing Bay 28.5 mgd CSO Storage Facility, Queens, NY: Control Systems Design Engineer, Design of instrumentation and control system and 28 mgd pump station for this $200 million facility. Included is a SCADA system tying control of the facility to the Tallman Island WPCP.

NYCDEP, Hunts Point WPCP Stabilization Design, Bronx, NY: Electrical and Control Systems Design Engineer, Design of instrumentation and control for the upgrade of this 200-mgd WPCP including upgrade of the main 400-mgd sewage pump lift station. The project includes a plant wide digital distributed control system (DCS). Data will be transmitted from distributed control units located throughout the plant via a fiber-optic data highway to the central plant control room. The DCS will provide centralized supervisory control, monitoring, recording, reporting, and trending capabilities.

Elf Autochem Plant Upgrade, Buffalo, NY: Project Manager for Electrical and Instrumentation design of chemical plant upgrade. Project involved upgrade of two 3,000 KVA electrical substations and evaluation of all existing electrical systems. Design plant-wide personal computer-based Supervisory Control and Data Acquisition (SCADA) system to monitor Power Distribution and other plant processes. Responsible for preparation electrical and instrument contract bid documents.

NYCDEP, 108th Street Pump Station, Brooklyn, NY: Electrical Design Engineer, Electrical and Instrumentation design of a 40 mgd lift station. Responsibilities include preparing cost estimates, creating and reviewing electrical Contract Drawings, electrical Specifications and providing coordination efforts for the project.

NYCDEP, Corona Avenue 400 mgd CSO Vortex Facility, Queens, NY: Electrical and Control Systems Design Engineer, Design of instrumentation and control system for this $35 million facility. Instrumentation and control includes design of testing facilities for a two-year evaluation of this prototype CSO treatment facility.

NYCDEP, Designed Electrical and Control Systems, Boiler Plant Upgrade, New York: Designed electrical and control systems, coordinated mechanical civil and electrical

Keith Craven

Sr. Electrical Engineer

PROFESSIONAL ORGANIZATIONS

Member of the Illumination Engineering Society of North America (IESNA)
Member of the Society of American Military Engineers (SAME)
Citation from Commanding Officer R.M. Honey, Captain, US Navy, "For Professional Achievement in the Superior Performance of Your Duties During the Power Outage at Naval Weapons Station Earle Pier Complex from 16 to 24 March 2000"

EXPERIENCE

Mr. Craven has over 36 years of experience in senior management, project management and design engineering, including power distribution, lighting, controls, power generation, lightning protection systems, primary and secondary grounding systems, fire alarm systems, fiber optic systems, communications, demolition and cost estimating. Over 23 years of experience with projects for the Department of Defense, Veterans Administration and Army Corps of Engineers. Responsible for multiple design engineering projects, including administration, design analysis/narrative, engineering, specifications, and cost estimation. Responsible for scheduling of project work.

Explosive Truck Holding Yards # 1 & 2 – Security Improvements
Naval Weapons Station Earle (NWSE), Colts Neck, NJ
Electrical design engineer for the electrical and security up-grades to two explosive truck holding yards. The design called for the installation of an emergency back-up generator system as well as a complete CCTV security system. Responsibilities included the interconnection of all required equipment and run of fiber optic cables from the Truck Holding Yards to the station security offices. Included with this was the placement and mounting of all CCTV cameras. Head-End equipment and CCTV camera units were used on the project. The fiber optic run included transmitters, receivers, patch panels and associated data surge suppression devices. New power was designed for the CCTV cabinets and the internal equipment, including power surge protection. Combination of both single-mode and multi-mode fiber optic cables were used. Fusion splicing was specified for all required connections as necessary.

Security Up-Grades to Ordnance Storage Magazines
Naval Weapons Station Earle (NWSE), Colts Neck, NJ
Electrical design engineer for electrical and security upgrades to multiple ordnance storage magazines located in a secure area of NWSE. Design included new power for equipment, lighting, and security systems for intrusion detection and CCTV observation and recording. Responsibilities included the interconnection of all required equipment

and run of Fiber Optic cables from the magazines to the station security offices. Included with this was the placement and mounting of all CCTV cameras. Head-End equipment and CCTV camera units were used on the project. The fiber optic run included transmitters, receivers, patch panels and associated data surge suppression devices. New power was designed for the CCTV cabinets and the internal equipment, including power surge protection. Combination of both single-mode and multi-mode fiber optic cables were used. Fusion splicing was specified for all required connections as necessary.

Great Neck Schools – Emergency Generators
Great Neck School District - Great Neck, New York
Design Engineer for the design of three natural gas fired emergency generators to provide back-up power to the High School, Middle School and Commons Building. Three generators were designed: two 250kW units and one 350kW uniThe design included the removal of the existing antiquated generators and a new up-rated electrical distribution system necessary to interconnect the generators to the associated building's distribution system. The new system was also configured to connect into very specific loads within the buildings via two emergency panel boards, one for critical emergency loads and the second for non-emergency but essential building supporting loads. An upgraded natural gas train was designed for each new unit. All three generators were provided with Level 2 sound attenuation enclosures. Distribution system voltage was rated at 208Y/120 volts, three-phase, four-wire. Responsibilities included contract drawings and project specifications.

Rehabilitation of the High Bridge over the Harlem River
New York City Department of Design and Construction (NYC-DDC) and,
City of New York Parks and Recreation (NYC-DPR)
Electrical Engineer responsible for the design of control and power distribution for the new lighting proposed to be installed on the historic bridge structure. Power was derived from a new Con-Edison service and distributed throughout the bridge to both the decorative and pedestrian lighting systems. Lighting was provided for accent, pedestrian safety, and "attic" space lighting required for maintenance purposes. Lighting fixture types included LED, Induction and Compact Fluorescent. Responsibilities included the coordination of all aspects of the power distribution with Con-Edison, NYC-DDC, NYC-DPR, and New York City Department of Transportation (NYC-DOT). Incoming service, delivered by Con-Edison, was a 208Y/120 volt, three-phase, four-wire system. The electrical design was developed to meet the criteria of the NYC-DOT and the Historic Preservation Authority having jurisdiction. During design, the placement of conduit, wire, junction boxes, etc. to minimize impact on the historic structure was paramount.

Mohamad A. Oghli

Senior Mechanical Inspector

EDUCATION

B.S - Mechanical Engineering - SUNY@ Stony Brook, 1984

CERTIFICATIONS & TRAINING

American Concrete Institute (ACI)
Hot Work Permits
Confined Space
Scaffolding – User Safety
OSHA Construction Safety & Health
FIT Test Certified
Familiar with new DEP Standard Operating Procedure and applied the SOPs into Mechanical and some civil work.

RELEVANT EXPERIENCE

Mr. Oghli has over 25 years of construction and commissioning experience. He has performed commissioning of mechanical, HVAC, electrical and related work. He has overseen commissioning and inspection staff and reported directly to the owners representative.

Sr. Construction Inspector
NYCDEP – Paerdegat Basin CSO Facility Contracts: 4B, 5G, 5H, 5P and CSO-6.

- Oversaw the commissioning, testing, document conformance and installation of HVAC systems to include:
  - Unit Heaters (Electrical & gas fired)
  - Air Handling Units
  - Air conditioning and condensing units
  - Computer Room Air Conditioning Units (CRAC Unit)
  - Motorized Smoke fire and gravity dampers
  - Automatic temperature controls systems, including life safety interlocks and shut downs.
- Inspected and documented conformance with contract documents for all testing, adjustment, and balancing of HVAC ductwork systems.
- Field testing of equipment and ATC control systems.
- Inspected and documented equipment startup and commissioning, including manufacturers certifications for warrantee and guarantees.
- Compiled equipment and HVAC system deficiencies and punch lists and implemented corrections for acceptance.
- Reviewed, attended and audited all HVAC equipment and system operation and training to ensure appropriateness of scope of work.
- Oversaw installation and commissioning of Instrument Control system with assistant of

I & C Engineer

- Inspected installation and testing of piping for water, drain, gas, SS air, and sprinkler piping system including the insulation for required piping.
- Inspected installation, testing and commissioning of sluice, slide and tide gates, service water skids, boilers and related breeching system, hot water heaters, fuel oil filtration and pumping skids, circulating water pumps, sump pumps, grit pumps and related valves.
- Oversaw installation, testing and commissioning of Carbon Vessel for Odor Control System.
- Oversaw the installation, testing and commissioning of screening and conveyor systems.
- Involvement with shop drawings and drawings review.
- Inspected the installation and testing of a 2000 gallon underground storage fuel tank for boilers and connecting piping.
- Also inspected underground gasoline, diesel tanks, pump dispersion, control devices and fire protection systems of vehicle fueling station.
- Inspected the installation of piping for storage tank for backup generator.

Remex Construction Corp., Astoria, NY – Responsible for different phases of mechanical/structural rehabilitation of commercial buildings in New York related to pumps/motors and pipe supports.

Kent Construction Co., Inc., Woodside, NY – Responsible for overseeing demolition of balconies in a 36-story building, restoration of boiler rooms, placement of concrete and arrangement of pipe support systems. Obtaining permit from NYCDOB "CD5" for submittal related to stage scaffolding using outrigger beams and/or hooks.

Worked as an independent contractor; managing all different phases of new construction, restoration/rehabilitation of commercial/residential buildings.

Andrew Denniser

Construction Inspector

EDUCATION

Queensborough Community College, Queens, NY, 2002
APEX Technical School, New York, NY, 2003

TECHNICAL SKILLS

Electrical/I&C: Low voltage control wiring, control instruments and gauges, RGS conduit, mega-ohm testing, continuity testing, wiring diagrams and wiring schematics

Mechanical: Boilers (Hydronic, steam, electric, direct vent), HVAC units (split system, package unit, chilled water system, heat pump), piping, refrigeration lines, industrial and commercial pumps

RELEVANT EXPERIENCE

Construction Inspector, Yonkers WWTP

As a Construction Administrator/Inspector acted as liaison between the contractor, designer and the client. Coordinated all construction activities with working plant operations. Prepared documentation for and participated in Pre-Construction, Monthly Progress, and Issues and Tasks Meetings. Maintain and prepare logs and documentation for Federal and State funding appropriation audits. Reviewed, negotiated and authorized all payments.

Provided Electrical/I&C Inspection which included:

- installation of conduits, fixtures, disconnect switches, wires and cables
- testing of wires and cables (mega-ohm, continuity, millivolt, milliamp testing)
- installation and testing of instruments and controls
- installation of electrical meters, circuit breakers and panels

Provided Mechanical Inspection which included:

- installation and testing of boilers and other HVAC equipment
- insulation of piping, ductwork, and ventilation equipment
- exhaust and odor control systems
- Installation of windows & doors
- metal fabrication and welding
- roof systems

Provided Plumbing inspection which included:

- metal piping, fiberglass, drainage and storm piping
- hanger and support systems
- seismic anchoring systems

- hydrostatic testing
- installation of various types of valves (electrical and manual)

Provided civil inspection which included:

- Installation of rebar, form work, steel I-beams and channels
- Placement of concrete pads/piers and asphalt roadways
- Construction of masonry walls

Construction Inspector, Port Richmond WWTP, NYCDEP

Performed Construction Inspector duties as well as maintained quantities log book, reviewed new shop drawings, monitored adherence to DEP specifications and Standard Operating Procedures (SOPS) to ensure no conflicts, maintained ARRA logs and prepared for ARRA audits, HAZMAT logs and results, assisted in change orders (drafted, estimating, and negotiations) and payments.

Provided Electrical/I&C Inspection which included:

- installation of conduits, fixtures, disconnect switches, wires and cables
- testing of wires and cables (mega-ohm, continuity, millivolt, milliamp testing)
- installation and testing of instruments and controls
- security monitoring and communication systems
- street lighting
- installation of electrical meters, circuit breakers and panels

Provided Mechanical Inspection which included:

- installation and testing of boilers and other HVAC equipment
- natural gas piping and fuel oil piping
- insulation of piping, ductwork, and ventilation equipment
- exhaust and odor control systems
- metal fabrication and welding
- roof systems
- finished carpentry

Provided Plumbing inspection which included:

- water mains and waste water treatment systems
- fire systems (dry, wet, deluge, stand pipe)
- various metal piping, fiberglass, drainage and storm piping
- hanger and support systems
- seismic anchoring systems
- various types if hydrostatic testing
- installation of various types of valves (electrical and manual)

Provided civil inspection which included:

- Installation of rebar, form work, steel I-beams and channels

Robert E. Krom

Sr. Mechanical Inspector

EDUCATION

B.S. – Land Surveying, Sullivan County Community College
Licensed Land Surveyor since 1973
Adjunct Professor at Sullivan County Community College, 1990-1992

CERTIFICATIONS/TRAINING

40 Hour OSHA trained
Confined Space Certified
40 Hour OSHA Hazardous Waste
8 Hour Refresher Course HAZMAT
GPS Training – LETZ equipment
CPR and AED Trained & School Bus Rescue
Volunteer Fireman – Cragsmoor Fire Co. - 31 years

RELEVANT EXPERIENCE

Mr. Krom has a broad background in construction management and inspection with over 30 years of experience. His experience includes all aspects of Resident Engineering inspection and the duties of an owner's representative. His responsibilities includes overseeing inspection and office engineering staff, chairing progress meetings, conducting special utility meetings, payment processing, submittal review, resolving field issues, coordinating controlled inspections, commissioning and preparing monthly progress reports

Yonkers School District, Saunders Trades and Technical High School. As construction inspector he was responsible for construction inspection of a new kitchen for the school. Mr. Krom also inspected the installation of gas lines, electrical, plumbing and kitchen equipment.

Melville School District. Mr. Krom was construction inspector responsible for the inspection of the addition of 8 new classrooms, elevator and kitchen. He inspected all mechanical, electrical, HVAC and structural work.

Yonkers School District, School 21. This project consisted of a new auditorium. Mr. Krom inspected the electrical, plumbing and general construction work.

Construction Inspector at the Woodbourne Correctional Facility, Woodbourne, NY, Sullivan County.- NYSOGS Project included rehabilitation of over 12,000 sq. ft. flat membrane (EPDM) **roof** for the main kitchen building. Provided electrical inspection of new Transfer Station building, removal and wiring. Inspection of horizontal boring of storm water piping as well as manhole replacement and electrical duct banks.

Senior Construction Inspector at the Tappan Zee Bridge Redecking, New York State Thruway Authority This contract includes the removal of the existing bridge deck from the right and center lanes northbound and southbound from the eastern point of the superstructure to the Nyack shoreline.

New York State Thruway Authority - Inspector for the pavement striping of various roads including I-84, I-287, I-87 and I-95. Responsibilities also included as builts and pay requests.

Inspector for the 4.6 million upgrade of the Hill Sparrow WWTP 35,000 gal per/day. Work included the demolition of a sand filter building and sand filters also part of the mud well building. Demo also included several waste water distribution lines and air lines. The upgrade consisted of a new building approximately 43' x 43' x 12' which now houses a EQ tank, three new UV units, a holding tank and three seimens micro filter units, also an electrical room and a new lab room. The upgrade also included one additional sand filter, new mixers for the secondary chaifer and a new chemical food system. The Hill Sparrow WWTP now has all new control panels (PLC's) and is entirely run by a new SCADA master control panel. Mr. Krom also inspected the George Fischer WWTP 4,000 gal per/day facility. This 4.3 million upgrade consisted of a new building, EQ tank, 3 UV units, 2 micro filter units, 2 sand filters and all the control panels and SCADA system. Both jobs were NYCDEP projects. Responsibilities included overseeing inspection and office engineering staff, chairing progress meetings, payment processing, resolving field issues, review submittal, and being the eyes and ears for the design engineer.

Mr. Krom worked on the Hyde Park Superpulsator Project which involved the repair of existing concrete. Work included sand blasting of the concrete tank walls and floor. After cleaning tank he inspected for cracks and spalling. The smaller cracks were repaired by epoxy crack injection method and the larger cracks were v-notched and a structural non-shrink grout was applied. Areas where the rebar were exposed - the area around the rebar was routed at least ¾ inch all the way around and then filled with a structural crack material. Some areas were so bad that they had to saw cut the area remove the existing concrete. They drilled holes and doweled the concrete. Forms were constructed around area and a rebar mat was installed and tied to the dowels then poured with concrete.

Mr. Krom also worked on several smaller bridge jobs where parts of the concrete decking were removed and replaced on wing walls that were in need of repair (Route 52 East Ellenville, Route 32 South New Paltz and Route 52 West Greenfield Park).

Inspector For the $4 Million upgrade of the Blackberry and Hills Barrow WWTP. Work included new advanced sand filter units, equalization tanks and significant sitework. Performed Storm Water Pollution Prevention (SWPP) Inspections, including erosion control inspections to insure compliance with approved SWPP

Laura Anne Cavanagh, FMA, RPA

Office Engineer

EDUCATION

Sheepshead Bay High School, 1979

CERTIFICATIONS/TRAINING

OSHA 10 hour Construction Safety- 2007 .
Facility Management Administrator Certification
Real Property Administrator Certification

COMPUTER SKILLS

Microsoft Word, Excel, PowerPoint, SAP, Expedition, WinTrak

RELEVANT EXPERIENCE

Office Engineer for New Jersey Marine Terminal for the Port Authority of New York and New Jersey - Responsibilities include administering and coordinating all daily functions including:

- Update and Maintain Classified Logs per contract on a monthly basis
- Process and maintain all monthly Payments per contract
- Process and maintain all Monthly Reports per contract
- Process and Maintain all Contractor Performance Evaluations for closeout contracts
- Log in Net Cost Items to Wintrak per contract
- Prepare all Blue Folders
- Process and Maintain all Closeout documents for active contracts
- Process and maintain all PACC and Change Order documentation for all contracts
- Process and Maintain all SAR Documents per Contract
- Process and Maintain all TAA Correspondence and Reports

Office Engineer for Howland Hook Marine Terminal for the Port Authority of New York and New Jersey - Responsibilities include administering and coordinating all daily functions including:

- Update and Maintain Classified Logs per contract on a monthly basis
- Process and maintain all monthly Payments per contract
- Process and maintain all Monthly Reports per contract
- Process and Maintain all Contractor Performance Evaluations for closeout contracts
- Log in Net Cost Items to Wintrak per contract
- Prepare all Blue Folders
- Process and Maintain all Closeout documents for active contracts
- Process and maintain all PACC and Change Order documentation for all contracts
- Process and Maintain all SAR Documents per Contract

- Process and Maintain all TAA Correspondence and Reports

Assistant Office Engineer for the Port Authority of New York and New Jersey - Responsibilities included:

- Administer and coordinate all daily functions including:
- Maintain and process all Personnel records for on site employees.
- Track and record all employees vacation and sick time
- Maintain and compute all daily written correspondence
- Interact and provide assistance to Subcontractors and PA Personnel
- Maintain and process all expense reports for on site employees
- Interact and provide assistance on a daily basis with the Office Engineer
- Maintain and process Net Cost Audit Letters and summary reports for Subcontractors
- Maintain and process all Subcontractors Approval requests for signatures
- Maintain and Input all Post Award Contract Changes (PACC) for approval
- Maintain and Input all Change Order forms for approval
- Maintain and Download all site photos to various contracts for access availability
- Maintain all contract filing for available access
- Maintain and process all Contractor Performance Evaluations for closeouts
- Maintain and process all Net Cost Items to Wintrak per contract
- Prepare Weekly Construction Newsletter/ Progress Reports
- Prepare and process Blue Folders for signature
- Assist in all Contractors Payments
- Assist in Contracts Monthly Report

Assistant to Facility Manager - Responsibilities included:

- Administer and coordinate all daily functions including:
- Maintain and process all Personal records for all on site employees.
- Track and record all employees' vacation and sick time.
- Dispatch employees to address maintenance issues within the facility.
- Interact and provide assistance to all Clients, Vendors and Subcontractors.
- Maintain and process all accounts payable on a daily basis.
- Coordinate Facility Managers daily functions.
- Investigate and follow-up on all client complaints.
- Administer and coordinate all monthly billings and reports for clients.

Divisional Administrator – Responsibilities included:

- Administer and coordinate all divisional functions including:
- Maintain and process all expense reports and travel arrangement for Divisional Vice President.
- Maintain and process monthly invoicing for various sites.
- Maintain and update all Workers Compensation and General Liability claims Division wide.
- Interact and provide assistance on a daily basis with site Facility Managers.
- Maintain and process all accounts payable for Divisional Office.

Frank Porco

Office Engineer/Senior Inspector

EDUCATION

Bachelor of Science, Civil Engineering Technology, 1992

CERTIFICATION

NICET IV
CPR & First Aid Certified
OSHA 10 hour

RELEVANT EXPERIENCE

Senior Inspector - Tappan Zee Bridge Redecking, Phase II, NYS Thruway Authority. This contract includes the removal of the existing bridge deck from the three middle lanes of the main span to the Nyack shoreline. Duties include inspection of precast roadway sections, structural steel installation and blot up, bearing replacement, pedestal reconstruction and steel repairs. Review force account submissions and submit daily IDR.

Senior Inspector - Tappan Zee Bridge Redecking, Phase I, NYS Thruway Authority. This contract included the removal of the existing bridge deck from the two outer lanes northbound and southbound from the main span to the Nyack shoreline. Project also included replacement of bridge rail and expansion joints. Duties included inspection of installed precast roadway sections, structural steel installation and bolt up, bearing replacement, reviewed submitted force account info and submitted daily IDR.

Construction Engineer - NYCDEP- Jamaica Water Pollution Control Plant – Performed construction inspection of plant upgrades including sheeted excavations, pipe installation, caisson installation and building construction.

Construction Inspector - Paerdegat Basin CSO, NYCDEP – Provided inspection of storage tank construction including reinforced steel and concrete placement.

Office Engineer - Noise Barrier Installation – Performed office engineer duties which included: processed estimates, reviewed daily IR's, produced meeting minutes, tracked contractors progress with EEO requirements and payroll, provided correspondence for Thruway Authority and Contractor. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items;

Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items.

Construction inspector - Noise Barrier Installation – Construction inspection of noise barrier along north bound I-87. Work included drilling footings, placement of reinforcement steel and concrete, erection of prefab. Posts and panels, joint caulking, installation of R.O.W. fence and paintings.

Construction inspector - Noise Barrier Installation – Construction inspection of noise barrier along north bound I-87. Work included drilling footings, placement of reinforcement steel and concrete, erection of prefab. Posts and panels, joint caulking, installation of R.O.W. fence and paintings.

Construction Inspector on the I-287 Cross Westchester Expressway. Work included reconstruction of 3-mile stretch of I-287 including reconstruction of two ramps and replacement of three bridges. Work included asphalt overlay, cracking and seating of underlying concrete pavement, super pave hot mix asphalt overlay, concrete median barrier, steel bearing piles, drainage, guide rail, extensive rock blasting, noise walls, utility relocations and installation of variable message signs.

Construction Inspector Woodland Viaduct Bridge, Westchester County, NY. Work included complete deck replacement of concrete arch bridge over active Metro-North Railroad tracks, new approaches, retaining walls, erosion and sediment control, & maintenance and protection of traffic.

Senior inspector for the $15 million project that involved the installation of an asphalt overlay on the main runway of the Westchester County Airport. In addition other work elements included drainage improvements, lighting repair, sediment and erosion control and maintenance and protection of airport traffic. To accommodate air traffic volume, most of the project work was completed at night as well as using 24-hour shifts on selected weekends.

Construction Inspector on the New England Thruway. Responsibilities include preparation of daily reports, computation of quantities for unit price items, on-site material testing such as concrete slump and air entrainment tests and documentation of work progress with diagrams.

Construction Inspector Chatsworth Ave. Bridge, Weaver St. Bridge and Larchmont Parking Deck. Work included removal of existing paint by sandblasting and application of paint from prime coat to finished coat. All work was done in accordance with NYSTA specifications including containment and removal of waste. Responsibilities included inspection of paint removal and application and testing for proper film thickness.

Joseph Rykowski

Office Engineer

EDUCATION

Associate of Science, Rockland Community College

CERTIFICATION

NICET Level IV (Equivalent)

RELEVANT EXPERIENCE

Office Engineer - Tappan Zee Bridge Rehabilitation TZB 2 (TANY 10-9B) - Superstructure Replacement of the TZ Bridge for NYSTA ($148M). Project consisted of removal of existing deck slabs and stringers for installation of new prefabricated Inverset concrete deck panels for travel lanes 3, 4 & 5 along the Causeway, West Deck Truss and Main Span of the Tappan Zee Bridge. Other work includes Class "A" containment and bridge painting of the Main Span substructure, replacement of the Causeway bridge joints and bearings, replacing the existing concrete moveable barrier system with steel units, installation of ITS and electrical systems. Project required extensive maintenance and protection of traffic utilizing the moveable barrier system during night time panel installation. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

Office Engineer - Tappan Zee Bridge Rehabilitation TZB 1 (TANY 05-31B) - Superstructure Replacement of the TZ Bridge for NYSTA ($176M), Project consisted of removal of existing deck slabs and stringers for installation of new prefabricated Inverset concrete deck panels including ESB fascia barrier system for travel lanes 1, 2, 6 & 7 of the N/B and S/B Tappan Zee Bridge. The Causeway portion consisted of (166) 50' spans including bearing replacement; West Deck Truss consisted of (35) 50' spans including modular joint installation at piers and Main Span consisted of (72) 35' spans including installation of new bearing seat assembly brackets fixed to web of existing floor beams. Other work includes substructure repairs of the concrete piers and replacing the existing bridge lighting system. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program.

Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

Office Engineer - Interchange 8 (TANY 00-47) - Reconstruction of I-87/I-287 from Tappan Zee Bridge Toll Plaza to the Saw Mill River Parkway for NYSTA ($173M). Project involves construction of 4 new bridges, reconstruction of 5 existing bridges and rehabilitation of 2 existing bridges; installation of precast pavement panels at toll plaza; construction of modular retaining walls, concrete post and panel noise barrier walls and extensive pile driving, rock sockets and rock blasting. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

Office Engineer - Tappan Zee Bridge Rehabilitation (TANY 97-32B) - Deck Replacement and Rehabilitation, Joint Replacement and Rail Upgrade ($36M). Project consists of removal of existing deck slabs for installation of new Exodermic deck panels with Polycarb overlay, repair of the joint system and upgrade of the existing bridge rail along the East Deck Truss spans of the TZ Bridge. Duties include review of daily work reports for accuracy and conformance with NYSDOT Specifications and Manual of Uniform Record Keeping (MURK). Review and enter quantities, material certifications and partial payment of stored materials for processing contractor payments in the CEES program. Review and process Orders-On-Contract for new contract work and overruns items; Field Change Orders for force account (T&M) work and performed cost analysis for negotiated agreed to prices for new items. Review of certified payrolls and monthly utilization reports for compliance with D/M/WBE & EEO requirements. Coordinate and review contractor's submission of shop drawings and catalog cuts, maintain correspondence logs using Expedition program, complete final estimate and project closeout documents, and prepare As-Built records. Maintain and track FHWA and Railroad Force Account records and forms.

Tiwanda Randolph

Contract Management Specialist

EDUCATION

University of Phoenix, Current Student. Major: Business Administration
Virginia State University, Petersburg, VA, 1992
H&R Block Tax School, Voorhees, NJ, 1995

COMPUTER SKILLS

Proficient in Microsoft Word, Excel, Access, PowerPoint, Outlook, **Primavera Contract Management (Expedition)**, Livelink, Wintrak, and Prolog

RELEVANT EXPERIENCE

Office Engineer - PATH, Journal Square Transportation Management Center for the Port Authority of New York and New Jersey. Currently assigned to various Security contracts, specific duties and responsibilities include:

- Working on 2 security projects combined worth of $232 million
- Contact all field offices to receive close-out documents for 2 out 3 security projects
- Prepare and distribute monthly close-out status report
- Prepare and enter time sensitive RFI information through **Contract Management (Expedition)** software
- Review all payment requisitions for payment
- Work closely with contractor to go over necessary paperwork needed
- Reconcile and process payments; making entries in Wintrak and SAP
- Coordinate with audit department to have proper audits conducted
- Work closely with Security Project Management Division to ensure the proper charge codes are funded
- Working on Stage I preparation of the close-out for contract that is close to closing out
- Provide paperwork and information to the OEM's office for contracts under grant supervision
- Attend security meetings
- Work closely with the main office and the EOC's office
- Prepare and track audit reports of Security Contracts
- Prepare and track in-house Consultant overtime reports.
- Prepare and finalize Contractor Payment Application/Requisitions.
- Prepare and enter time sensitive information into Wintrak and SAP software
- Prepare and enter PACC's, Change Orders of Contracts

Assistant Office Engineer - Port Authority of NY & NJ, Port Newark, NJ – Provided a variety of administrative duties and responsibilities which included:

- Typing of correspondence and reports using PC applications
- Scheduling/coordinating meetings and maintaining calendars

- Use of **Contract Management (Expedition)** for Payment Processing/tracking
- Back-up for inputting Payroll/Timekeeping through PeopleSoft
- Handling and screening mail and telephone calls
- Troubleshooting of hardware and software
- Preparing new contract files and pre-con meetings (EP 384.063 & PN 924.565)
- Preparing & verifying Subcontractor Approval forms and submitting for signature to the appropriate department (Risk & Insurance) (EP 384.053, EP 384.057)
- Prepared, reviewed and sent correspondence on MBE/WBE/DBE performance percentages (EP 384.059, EP 354.038, MFP 954.911, EP 384.060, MFP 944.901 & EP 384.057)

Administrative Assistant – Law Offices of Lenard A. Cohen & Kenneth J. Lees, Esq., Philadelphia, PA – Duties & Responsibilities included:

- Resolve and delegate client conflict
- Responsible for start-up package of client files
- Setting client appointments, i.e. Depositions and Arbitration's
- Reconciliation of medical bills through PIP/Claim Adjusters

Settlement Coordinator – Credit Lenders Title Agency, Voorhees, NJ – Duties & Responsibilities included:

- Preparation of settlement documents
- Processing load applications
- Researched public/private records
- Credit Investigator
- Managed independent title agents

Premium Processing Technician - Commonwealth Mortgage Assurance Corporation, Philadelphia, PA – Duties & Responsibilities included:

- Daily reconciliation and deposit of daily accounts
- Account assessment and determination of reimbursements
- Customer/Account conflict resolution and problem solving
- Frequent communications with branch offices/lenders nationwide
- Generate and review weekly/monthly reports to department managers

Shift Manager – Hampton Inn Hotel, Mt. Laurel, NJ – Duties & Responsibilities included:

- Resolve guest conflicts and account resolutions
- Balance and account for shift revenues
- Filled in the absence of Customer Service Representatives

Joyce Rosado-Zavala

Contract Administrator

COMPUTER LITERACY

Primavera Expedition (Contract Manager), Microsoft Office, Excel, PowerPoint, Publisher, Access

CERTIFICATIONS

Primavera Expedition (Contract Manager)
10 Hour OSHA
Construction Document Review

RELEVANT EXPERIENCE

Ms. Rosado has been working at Savin for more than 14 years. Being our Long Island Office Manager for several years, Ms. Rosado was in charge of all daily office operations providing clerical and accounting for our Long Island based Project Executives and Field Supervisors.

Ms. Rosado has provided Project Administration services to the following clients:

- North Shore Central School District
- Miller Place Union Free School District
- Malverne Union Free School District
- Long Beach City School District
- East Quogue Union Free School District
- Hempstead Union Free School District
- Roosevelt Union Free School District
- Rocky Point Union Free School District
- Mineola Union Free School District
- Port Jefferson Union Free School District
- Comsewogue Union Free School District
- Manhasset Union Free School District
- Great Neck Public Schools
- Montauk Union Free School District
- Freeport Union Free School District
- Amityville Public Library
- Freeport Memorial Library
- Wyandanch Public Library

Before joining Savin, Ms. Rosado was Administrative Assistant for Actuarial and Technical Solutions, Inc., where her office administration skills included preparation of professional presentations including layout, and design. She has also served as member of the support staff for the State Education Department.

Nusreta Radoncic

Sr. Contract Administrator

SOFTWARE PROFICIENCY

Microsoft Excel, Word, Access, Primavera Contract Manager (Formerly Expedition) and Microsoft Project

RELEVANT EXPERIENCE

Fountain Ave. Landfill – Responsible for all administrative functions of Owner's engineering and construction management field staff for $159 million Inactive Hazardous Waste Site Landfill closure.

Prepare and control all contract documents including payment requisition, change orders, field memos, meeting minutes, periodic progress reports, client directives, all correspondence and transmittals; assist in procedure for subcontractors approvals; prepare clients detailed payment reimbursable thru Environmental Quality Bond Act (EQBA) and oversee EQBA contract cost control; manage Local Area Network (LAN) and electronic project files; and general office manager.

Handled all administrative functions for 12-person field staff, including: Data entry using Microsoft Excel Spreadsheet and Access; document control and filing; assisted in preparation of project monthly reports for the client and project monthly financial status reports for the company; prepare the monthly invoices for two clients including labor cost, direct expenditures and professional services (subconsultant cost); data entry of information to prepare change orders, evaluation of contractors payment requisitions, estimates, and minutes of meeting; trained to use expedition as a document control tool and also maintained files for the Accounts Payable and Receivable and followed up on payments of these accounts.

Accounts/Bookkeeping Office – handled all administrative functions to include: Data entry, bookkeeping and filing, processing of payments and interfacing with clients.

K&S Construction Company – Assisted the owner in the management of this small business by maintaining accounts, preparing of cost estimates and interfacing with clients.

Darlene Coitino

Contract Specialist

EDUCATION

B.A. - Business Administration, Berkley College, NY

CERTIFICATION

OSHA Outreach 10 Hour

COMPUTER SKILLS

Contract Manager Version 13, Primavera (Project Schedule), Microsoft Word 2007, Excel 2007, Outlook 2007, Power Point 2007, Project, Publisher, InDesign

SKILLS

Type 60 wpm, Bilingual: English/Spanish

EXPERIENCE

Ms. Coitino is a skilled and dedicated Project Engineer who provides project support to Project Executives, Project Managers and Junior Staff members. She assists with meeting minutes and all correspondence such as letters and transmittals. Ms. Coitino monitors project finances for up to date reporting. This includes tracking RFI's, submittals, financial/change orders. Additionally, she monitors all insurance, general requirements, and closeout documents.

Savin Engineers, P.C., Pleasantville, NY
Sr. Project Administrator/Office/Project Engineer

New York State Office of General Services
Troop F Headquarters Addition & Renovations and Field Investigation Unit Bldg. (FIU)
Project/Office Engineer for review of submittals, RFI's, track and maintain logs, update team members, send notifications to all parties involved. Some responsibilities include:

- Document control coordination
- Project schedule maintenance
- On-site LEED coordinator
- Job Meeting coordinator
- Review and process contractor's requisition for payment
- Track and maintain project field and change orders
- Monitor all insurance, general requirements, and close-out documents
- Implemented monthly newsletters, which provides the client with update project progress
- Generate cost worksheets utilizing the "Cost Works" program

Port Authority of NY & NJ (PANYNJ) - Contract Manager Specialist (Expedition)
TB&T Various Projects

- Review & knowledge of Project Specifications related to submittals for each project.

Attend Pre-construction meetings to advise the Contractor of PANYNJ's proper submittal process and numbering system.

- Track, log and maintain project submittals in Contract Manager.
- Generation of Contract Manager reports (submittal log) related to submittals.
- Handling of electronic submittals utilizing "**Livelink**".
- Track project substantial completion to expedite project archiving related to files as well as in Contract Manager.
- Organize and maintain an efficient submittal filing system.
- Utilizing WinTrak to vie project updates as it pertains to schedule, budget etc.

Office Engineer

Provided a wide variety of project administrative support to clients as well as the firms Project Associate. Worked on multiple projects simultaneously from project start-up until project completion.

Relevant Projects:

Norwood Jackson Facility, Valhalla - $50 million dollar project
Richard J. Daronco Courthouse, White Plains, NY - $120 million dollar project
Hyde Park Central School District, Hyde Park, NY - $15 million dollar project
Yonkers Central School District, Yonkers, NY - $7 million dollar project

- Generation of Contract Manager Reports. (Issues, Cost Worksheets).
- Logged, tracked and maintained **shop drawings**, certificate of insurance, daily reports and **"Request for Information"** (RFI)'s utilizing "Expedition".
- Review and process all applications for payment and **change orders**.
- Meticulous review of the financial reporting to insure the utmost accuracy of the projects' accounts.
- Set up new projects with cost codes in "Expedition".
- With the use of Primavera Contract Manager tracking software, **monitor project finances** for up to date reporting. This includes tracking issues, submittals, financials, change orders, and potential change orders. Additionally, she monitors all insurance, general requirements, and closeout documents via internet.
- Word Processing: generated letters, memos, faxes, agendas, and various excel spreadsheet. Weekly meeting minutes, project budget, change orders and Contractors requisition for payment where created, tracked and maintained utilizing "Expedition".
- Editing: proof read, formatted, edited correspondence generated by all personnel to company standards.
- Project Schedules - Utilized (Primavera) to create and maintain on a bi-weekly basis or as required by the Project Manager and Owner/Client the projects schedule. This helped in tracking the projects milestones and project completion.
- Implemented the creation of monthly Project Executive Reports.
- Generated "ManPower" reports

Lourdes James

Contract Administrator

EDUCATION

Plaza Business Institute

COMPUTER SKILLS

Port Authority SAP system, Microsoft Word, Excel, PowerPoint

RELEVANT EXPERIENCE

Administrative Assistant – Stewart International Airport for the Port Authority of New York and New Jersey – Assisted the Terminal/Landside Operations General Manager. Used good organization, typing, data entry skills on a daily basis, as well as other office clerical duties and administrative procedures. Responsible for providing airline data to the rest of company, by collecting all the data and formulating accurate timely monthly reports. Assist client needs regarding statistical data collection at all times.

Ensured airport standards for quality and customer service as it relates to the terminal services and upheld documents on daily housekeeping reports and subsequent follow up inspections. Maintained records of problems reported by customers and tenants, and reports that information to the appropriate areas for correction. Assisted in the coordination of events and promotions at the airport such as fund raising, VIP ceremonies, conferences, commercials and any other function where terminal space is required. Ensured all needs and security requirements. Responding to feedback on web site/pages, and worked with clients to make appropriate changes also updating public information programs to address passenger's needs. Performing related duties including tracking MWDBE utilization.

Responsible for recording, producing and distributing daily, weekly, monthly and yearly airport traffic statistics. Assist the General Manager of the Department with basic administrative duties including filing, travel arrangements, maintaining expense reports and daily schedules.

Marketing Assistant – Assisted the General Manager of Marketing – Responsible for supporting management in conceptualizing a strategic marketing program which includes air service development, public relations, community awareness programs, website development/maintenance, media placement and management.

Prepare and coordinate distribution of news clips on a daily basis. Assist in initiating various morale building steps within the company – monthly newsletters, monthly "all hands" meetings, picnics, awards and distinctions program, employee birthdays, company holiday parties, employee farewells, etc. Responsible for recording, producing

and distributing daily, weekly, monthly and yearly airport traffic statistics. Assist the General Manager of the Department with basic administrative duties including filing, travel arrangements, maintaining expense reports and daily schedules. Produce and maintain accurate accounts payable documents for payment on a daily basis. Communicate effectively with company management and co-workers, airline management at transportation services, state police and TSA. Check and respond to daily emails.

Key liaison in developing, producing and maintaining accurate information on the airport's printed material covering cargo, air service schedules and diversionary operations. Create, organize and maintain selective databases for accurate distribution of marketing materials aimed specifically at travel agents, media, cargo companies, tenants, community leaders and regional business. Maintain an inventory control program aimed at effectively distributing and managing printed material. Supervise all interns and volunteers in the Marketing Department. Oversee the decorating of the main terminal at Christmas.

Assist management in creating and launching campaigns in the Hudson Valley Region for the new airline entrants from an advertising, public relations and customer service perspective. Support management in organizing and placing of all national and local trade advertising. Assist in launching community outreach programs positioning the airport as the "friendly alternative" to the major New York metropolitan airports. Support the key airport spokesperson on all issues related to airport emergencies and information distribution to the media. Prepared and participate in an Airport Emergency/Crisis situation. Facilitated management in researching and collecting information for writing and broadcasting press releases through all mediums. Key representative to several business related trade shows, exhibitions, business functions, press conferences, community and company social events (Orange County Chamber yearly Expo), travel shows, as well as other Travel & Business Expo throughout Hudson Valley. Attend strategic group meeting within the local business community in the absence of the General Manager.

Coordinate and maintain contracts for airport terminal art displays and photo shoots for commercials and television shows. Collect, maintain and produce graphs and statistical reports on regional demographics for air service and cargo development efforts. Create and maintain a filing system for photos and negatives that could be accessed easily for all future ad campaigns. Assist in the coordination of special activities at the Airport such as the Y3 Kids Program. Create, produce and maintain an airport informational guide book for employee's assistance. Shop for Airport supplies such as for the kitchen, employee birthday certificates, cards, supplies for trade shows. Maintain the Airport's trade shows equipment: booth and supplies. Organize and prepare for press conferences. Take photos for the airport when called upon.

Deidre Dennis

Senior Contract Administrator/Contract Manager

EDUCATION

Associates Degree, Fashion Buying and Merchandising, Fashion Institute of Technology, 1985
Liberal Arts Major, Morgan State University, 1977-1979
Certificate in Construction Project Management, Pace University, 2009 (continuous)

COMPUTER SKILLS

Proficient in Microsoft Word, Excel, Access, PowerPoint, Outlook, Expedition, Livelink , Wintrak,and Prolog

RELEVANT EXPERIENCE

Contract Administrator – PATH, Journal Square Transportation Management Center for the Port Authority of New York and New Jersey. Responsible for facilitating the Contract close-out process for all PATH/TAA projects. Prepare and request all Certificates of Occupancy. Maintain weekly materials installation and project delay logs. Validate Subcontractor Approval Requests. Perform desk audits for net cost work. Process and track RFI's, and submittals for Security projects. Distribute weekly schedules and approved submittals to the Engineering Staff. Provide administrative support to the Resident Engineer and Assistant Resident Engineers as needed.

Project Administrator – Toll Brothers, Long Island City, NY - 48th Avenue/Queens West Project $40M Project. Primary responsibilities included the set-up and management of the home office. Developed and maintained procedural and administrative protocols. Processed and tracked RFI's and submittals. Assembled, and distributed bid packages. Prepared shop drawings and specifications listings. Created and maintained RFI, submittal, permit and contract status logs. Provided administrative support to the President as needed.

Project Planner for NYC Transit Authority – Responsible for the development and distribution of weekly contractor activity schedules. Prepared and issued monthly flagging utilization reports. Coordinated tier services for daily work crews. Formulated actual TA labor charge reports.

Project Administrator – Bronx Criminal Courthouse Project, Bronx, NY – $ 580M Project – Established and managed field office. Purchased equipment, furniture, fixtures and supplies through competitive bidding. Developed and maintained office procedures and filing systems. Designed and maintained security database. Coordinated staff meeting schedules and planned conferences. Prepared and distributed job meeting minutes. Supervised administrative staff.

Assistant Project Manager – Battery Park City Authority- PS 89, NYC/ Smithsonian Cooper Hewitt Museum – Procured $ 3M worth of furniture, fixtures, equipment and supplies. Created and maintained all project related databases. Processed scope changes, change orders, and RFI's. Prepared Owner's meeting minutes and monthly

reports.

Office Manager/ Project Secretary – HPD Bronx, Early Childhood Centers 1, 2, & 3 - Executed monthly requisitions for 35 contractors. Administered the Equal Employment Opportunity program. Prepared monthly report for the Client. Designed and maintained RFI's, change order, and shop drawing databases. Supervised administrative staff. Provided administrative support to the Project Executive and Team as required.

Stuart F. Schiller, CSI, CDT

Sr. Scheduler

EDUCATION

S.U.N.Y. College of Environmental Science in association with Syracuse University
B.S., Construction Engineering

PROFESSIONAL AFFILIATIONS

Construction Document Technologist, Construction Specifications Institute

RELEVANT EXPERIENCE

Mr. Schiller is responsible to the Owner for providing project scheduling, phasing plans and construction claims analysis.

Project scheduling services includes creating master project schedules, critical-path-method (CPM) construction schedules and progress updates for comparison to the baseline. Narrative reports accompany the schedules to better communicate the information provided by the scheduling software, Primavera P6. The reports generally provide the status of project milestones, issues encountered that will affect the schedule, changes made to logic, added/deleted activities, lookaheads and other data requested by the Owner. When required, recovery schedules are created to reduce or eliminate delays.

Scheduling services are also provided to review and prepare analysis of construction schedules submitted by others. Mr. Schiller will import the Primavera P6 files to provide a report of the schedule completeness, activity logic, critical path and conformance to contract requirements. The progress schedule updates are also analyzed to determine if the forecast milestone dates are reasonable and the progress of work is substantiated.

Phasing plans are provided to graphically depict the sequence of work areas or scope, either for public presentation, as part of bid package or during construction.

Construction claims analysis typically involves a project delay and the associated cost of delay, submitted by contractor(s), consultant(s) or the Owner. Using schedule files submitted during the course of the work, daily field reports, change order documentation and other project reports, the project history is reconstructed tracing the source of the delays and the legitimacy of the claim. The cost of such delay, if any, is calculated based on one or more methods, depending on the nature of the claim.

Mr. Schiller has over 24 years of experience providing construction cost estimating, scheduling, project management and claims analysis for multi-phase, multi-site and multi-contractor projects up to $282 million. He is proficient in Microsoft Project, Primavera Contract Manager, Building Information Modeling (BIM) and many cost estimating and graphics software. Some relevant project experience includes:

State University of New York at Binghamton, Rehabilitate Domestic Water Distribution System, Binghamton, NY. Prepared CPM construction schedule, progress updates and recovery schedule including narrative reports using Primavera P6 for campus-wide water system upgrade including water main, pump stations, water tanks and related construction.

Wake Tech Community College Health Sciences Building, Charlotte, NC. Performed analysis of contractor delay claim involving multiple delays and concurrent delays based on the default of a subcontractor.

Levine Cancer Institute, Charlotte, NC. Performed analysis of contractor delay claim involving multiple delays and concurrent delays based on the default of a subcontractor.

Port Authority of New York and New Jersey – Construction Claim Analysis for Newark International Airport Terminal B Modernization Electrical Upgrades, Lobby B-1 and Vertical Circulation Project, Newark, NJ. Under term contract agreement, performed analysis of $6 million contractor delay claim involving multiple delays, concurrent delays and change order analysis for the $53 million rehabilitation and renovation.

Port Authority of New York and New Jersey – Schedule Analysis of Howland Hook Marine Terminal Open Area Paving and Utilities Project, Staten Island, NY. Analysis of baseline schedule submitted by Contractor to determine if proper activities were included and completion dates achievable. Analysis of 'as-built' schedule for delays and inefficiencies.

New York State Office of General Services. Performed scheduling services for construction management term agreement. Projects include new Firing Range at Fishkill Correctional Facility in Fishkill, NY and New York State Police Troop "F" Headquarters Addition, Renovation and new FIU Building in Middletown, NY.

Queens Midtown Tunnel Rehabilitation, New York, NY. Performed concurrent delay analysis of a claim submitted by the contractor. Using Primavera Project Planner and on-site submittal logs forecasted different scenarios and determined the validity of delays. Responsibilities also included report preparation outlining the scenarios and making recommendations on resolving claims.

Roosevelt UFSD - $170 million District Wide Replacements and Improvements.
North Shore UFSD - $30 million district-wide renovations and additions
Miller Place UFSD - $10.8 million district-wide infrastructure improvements
Rocky Point PS - $28.5 million annual capital project plans

Aladin Accilien

Cost Estimating/Scheduling

EDUCATION

B.S. in Engineering Technology & Construction Mgmt – CUNY Farmingdale, Pending
United States Air Force Technical Engineering School
Computer Aided Drafting in 2D and 3D mechanical
Architectural drawings, electrical and plumbing and mechanical details, land surveying
Certification in Environmental awareness and quality air awareness

PROFESSIONAL ORGANIZATIONS

Association Advancement Cost Engineering International – Member since 2005
Construction Specification Institute – Member since 2004
Construction Management Association of America – Member since 2004

CERTIFICATIONS

ArcView GIS, AutoCAD 2009
AutoCAD Land Development Desktop
10-Hour OSHA Outreach Seminar

RELEVANT EXPERIENCE

Mr. Accilien is a Construction Manager for Savin. He has over ten years of construction experience. Mr. Accilien's experience at Savin includes:

- Roosevelt UFSD – Document control and logistics plans for district wide replacements and improvements. Construction manager and assistance to Project Executive.
- North Shore CSD, Sea Cliff, NY – Roof replacement at North Shore High School.
- Freeport UFSD - District wide additions and renovations.

Prior to joining Savin, Mr. Accilien's experience includes:
Savin Engineers, P.C., Pleasantville, New York – On-call, Seasonal Field Technician.

Lund Fire Products, Inc., Bayside, New York 2002 – 2003 On-call/Part-time Draftsman Drafter assisted in the design of fire suppression systems for commercial and residential kitchen.

Barrett, Bonacci & Van Weele, P.C., Hauppauge, New York 2001 – 2002 Surveyor Technician / Draftsman Drafter creating tile, topographic, preliminary, title, boundary surveys and Instrument Operator.

F.E. Warren Air Force Base, Cheyenne, Wyoming 1998 – 2001 Civil Engineer Assistant Civil Engineer Assistant, plan and execute general land surveys, creating drawing for various projects, reviewing submittals, construction inspections and assisting squadron engineers.

Robert Dean Sproch

Scheduler

EDUCATION

College of DuPage, Glen Ellyn, Illinois

COMPUTER SKILLS

SAP, Word, Excel, Access, Power Point, Expedition, Microsoft Project, P6, FoxPro and Lotus Notes

RELEVANT EXPERIENCE

Mr. Sproch is a disciplined self-starter who works well in a structured environment. He has practical experience in a variety of construction disciplines and enjoys working in the field of construction from the conceptual stage in creating a schedule through the construction phase in comparing the actual construction to the approved schedule.

His experience in understanding the critical path of construction systems does well in transferring the information to the software of choice by the Owner. The Microsoft Project software is often accepted as a project schedule which includes the tasks of the Owner, architect, construction manager and consultants for the pre-construction phase and construction durations with milestone dates for the construction period.

His experience with the P6 software is has proven successful in tracking the detailed tasks during construction. Useful to both the Owner and consultants in keeping the project on track, it also provides a sure way of protecting the Owner in the event the contractor fails to meet the schedule.

Mr. Sproch has provided scheduling services for the following:

- Westchester Medical Center
- Sound Shore & Mt Vernon Hospital
- Town of Stratford, CT
- West Haven, CT
- Richmond Library, Marlborough, CT
- Town of New Canaan, CT
- Eldred Central School District, NY
- Greenwich Public Schools, CT
- Pelham Union Free School District, NY
- Nassau Community College, NY
- Pocantico Hills Central School District, NY

Prior to joining Savin, Mr. Sproch's experience includes:

Managed architectural trade crews and support departments for a 27-building, 1.9 million s.f. educational complex. Represented Owner in weekly meetings regarding personnel and housing needs in order to meet established schedules. Provided comments at meetings for all construction disciplines to review each week's construction progress, the release/review of building plans, and adjustments needed in the construction schedule. Produced weekly agenda and meeting minutes.

Established personnel load levels to meet construction schedule as well as ancillary departments. Monitored staffing needs and recruited eligible part-time and full-time workers. Reviewed applications and expedited necessary paperwork for new personnel in all areas.

Robert J. Kalpin

Estimator

EDUCATION

B.A. – New York Institute of Technology, Old Westbury, NY, 1978

COMPUTER LITERACY

Word, Excel, & AutoCAD

RELEVANT EXPERIENCE

Mr. Kalpin will be the lead person in charge of preparation of estimating and scheduling for your project. Mr. Kalpin's role will include the following responsibilities during pre-construction and construction phases:

- Prepare construction cost estimates (Schematic, Design Development, Construction Documents) by architectural takeoffs and utilizing Timberline Estimating.
- Prepare estimate reports.
- Recommend bid packages.
- Recommend alternates to bid.
- Cross-check contract documents to ensure completeness and accuracy.
- Review general conditions and requirements and suggest changes to protect the Owner.

Mr. Kalpin has over 30 years of experience on a broad range of projects. His current scheduling, estimating and construction management experience at Savin includes:

- Pelham UFSD - $24 million capital projects include upgrades and renovations to High School, electrical service upgrades at 4 elementary schools, roof repairs and replacements at the High School and Siwanoy Elementary School.
- Yonkers Public Schools – $7 million – renovation in 2007 & $16 million – renovation in 2008.
- Pocantico Central School District – $26 million infrastructure; renovations.
- North Shore Central School District – School Additions
- Port Jervis CSD - $16 million renovations and reconstruction
- Tuckahoe UFSD – $13.6 million – new three story addition to the high school & renovations to the elementary school

Architectural Project Manager/Construction Contract Administrator - Monitoring of Public School construction projects from bid award to final closeout; owner meetings for review of capital and bond projects, and SED approvals, review of Contract Documents for constructability and MEP coordination. Coordination and tracking of submissions, permits, and testing inspections. Construction inspection for quality control and schedule conformance. Analysis of contractor payment

applications and change order proposals. Inspection of completed projects and preparation of final punch lists. Some of the projects include:

- Eastport – South Manor Secondary School, Eastport, NY; new 350,000 square foot High School and various other school building projects.

Architectural Project Manager - Development of Construction Contract Documents from conceptual design and Owner's program, review for building code and SED requirements and construction cost estimating. Inspections for quality control, construction progress, and review of payment applications and change order proposals.

Assistant Project Manager –Field inspection, schedule coordination and detailing of high-rise curtain wall installations. Projects include: Barney's, NY, 660 Madison Avenue, NYC; and Foley Square Courthouse, Foley Square, NYC; New 30 story Federal Courthouse.

Oscar Hinkle

Sr. Contract Specialist

EDUCATION

Bachelors of Education, State University of Saint Petersburg, Russia

CERTIFICATION

OSHA Outreach 10 Hour

COMPUTER LITERACY

Microsoft: Excel, Outlook, PowerPoint, Publisher, Word; *Oracle*: **Primavera Contract Manager (Formerly Expedition)**

RELEVANT EXPERIENCE

Oscar Hinkle has over 12 years of experience in construction and facilities management with a focus on building facilities and a strong emphasis on all aspects of project documentation including the submittal and review process, RFI's, and executive summaries. With Savin for over 10 years, Mr. Hinkle's knowledge to detail and exceptional written and verbal communication skills have made sure our clients receive the quality they expect. Mr. Hinkle has been responsible for the on-site, field supervision and project administration for the following Savin projects:

Port Jervis City School District – Project administration for $14 million Excel project and additional $3.8 million in Capital projects including boiler replacements, unit ventilator replacements, conversion to DDC controls, installation of District-wide VoIP telephone system, window replacements, office renovations, toilet room renovations, installation of emergency generator systems and installation of new domestic well and storage tank. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Attend weekly Progress Meeting.
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

Pocantico Hills Central School – Project administration for $18 million infrastructure renovation project including boiler and unit ventilator

replacement and new DDC controls along with roof replacement. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Attend weekly Progress Meeting.
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

Monticello Central School District - Project administration for $7 million Excel project, included boiler replacements, upgrade of all IDC's and construction of a new Network Operations Center. Also included a 50 camera network based security system. This was followed by a $4 million Energy Performance Contract that included additional boiler replacements and converting the entire HVAC systems of seven buildings to DDC controls. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

Tuckahoe Union Free School District - Project administration for $14 million additions and renovation project including new fully-equipped science and computer labs. Project included a new artificial turf football field and a new underground fuel storage tank. Some of his responsibilities included but not limited to:

- Logged all incoming correspondence on Contract Manager 13.1
- Distributed the contractor's shop drawing for review by various disciplines
- Coordinate Submittal, RFI's, PCO's, CO's
- Contract Manager Routine Maintenance – Meeting Minutes and Payment Requisitions.
- Scanned documents into Contract Manager using Image Tool v5.0 Document Management

HVEA ENGINEERS

Christopher J. Sotanski
Senior Testing Technician

Mr. Sotanski has over 4 years experience in the testing of Construction Materials. He holds many certifications relevant to the field; most of his experience was working at PANYNJ on a term agreement for the Freedom Tower and JFK Runway Projects.

CERTIFICATIONS/ SPECIALIZED TRAINING

- ACI Aggregate Testing Technician – Level I
- ACI Concrete Field Testing Technician – Grade I
- ACI Concrete Lab Technician – Grade I
- ACI Concrete Strength Testing Technician
- ACI Concrete Special Inspector
- Certified Nuclear Density Testing Technician
- OSHA 10-Hour Safety Trained
- OSHA 40-Hour Hazwoper Certified
- NYS HMA Density Testing Inspector

EDUCATION

- **Grantham University–** Bachelors of Science, Engineering Management and Technology Expected May 2015

SELECTED PROJECT EXPERIENCE

- **MNR 26596, Fordham Station Improvements (2014 – present)**
  Mr. Sotanski is serving as senior testing technician on this project which includes on-site and laboratory testing of concrete, nuclear density testing of compacted fills, crosshole sonic logging of drilled shafts, and a variety of laboratory services.

- **PANYNJ, Goethals Bridge Replacement Project (2014 – present)**
  Mr. Sotanski is serving as senior testing technician on this project which includes on-site and laboratory testing of concrete, nuclear density testing of compacted fills, and a variety of laboratory services.

- **NYCDEP, Rondout-West Branch Tunnel Bypass Shafts, Contract BT1 (2013 – 2014)**
  Mr. Sotanski served as senior testing technician on this project – which included: Laboratory trial batching of concrete for mix design, including testing of aggregates (gradations, specific gravities, and sulfate soundness), fresh concrete tests following batching, compressive strength tests, shrinkage tests, and heat signature of concrete; Field testing of placed concrete, including casting cylinders for compressive strength and heat signature of concrete.

- **MNR 16394: Rock Slope Remediation, Pawling & Brewster, NY, Putnam County (2013 – present)**
  Mr. Sotanski is serving as senior testing technician for this project; work includes concrete field and lab testing, grout field and lab testing, bolt proof testing (pullout testing of rock anchor bolts).

- **FHWA, Liberty Island Emergency Docks Repairs (2013)**
  Mr. Sotanski served as senior testing technician on this project which included concrete field testing (slump, air, temp, unit weight, casting cylinders) and lab testing of concrete (compressive strength testing, coulomb testing)

- **Senior Testing Technician, D262100: Dingle Ridge Road, Brewster, NY, Putnam County – NYSDOT (2013)**
  Mr. Sotanski served as senior testing technician for this project. He assisted in the collection of field data for Crosshole Sonic Logging (CSL) of 8' diameter drilled shafts.

- **D262218, Route 134 Rehabilitation, Ossining, NY (2013)**
  Mr. Sotanski served as senior testing technician for the NYSDOT project which included nuclear density testing of asphalt for the three courses of asphalt (60 series pavement).

- **PANYNJ, SWF-164.021A, Stewart Airport (2013)**
  Mr. Sotanski served as senior testing technician on this project which included laboratory testing (gradation, modified proctor) of subbase material followed by on-site Nuclear Density Testing of subbase and asphalt materials.

HVEA ENGINEERS

Andrew J. Feldt
Supervising Lab Technician/Field Technician

Mr. Feldt has a broad range of experience in construction inspection, with a strong emphasis in construction materials testing. His projects have ranged from concrete and masonry to asphalt milling and paving. Mr. Feldt has worked on projects for the NYSDOT, USACE, and many municipal and private owners.

EDUCATION

- B.S. Civil Engineering, Stevens Institute of Technology – May 2006
- E.I.T, New York - 2013

CERTIFICATIONS/ SPECIALIZED TRAINING

- ACI Aggregate Testing Technician – Level I
- ACI Concrete Field Testing Technician – Grade I
- ACI Concrete Laboratory Testing Technician – Level I
- ACI Concrete Strength Testing Technician
- ACI Concrete Construction Special Inspector
- Certified Nuclear Density Testing Technician
- ICC Spray-applied Fireproofing Special Inspector
- ICC Structural Masonry Special Inspector
- NETTCP Soil & Aggregate Inspector
- NYS AGC HMA Density Testing Inspector
- OSHA 10-Hour Safety Trained

SELECTED PROJECT EXPERIENCE

- **Field Testing Technician, NYCDEP, Rondout-West Branch Tunnel Bypass Shafts (2013 – present)**
  Serves as a QA Concrete Field/Lab Tech for this project; work includes lab trail batching for concrete mix design. HVEA has completed trial batches for eight classes of concrete (four points per mix) in their laboratory; testing fresh concrete for unit weight, slump, air and temperature, casting cylinders, casting shrinkage bars; lab testing for compressive strength and shrinkage results. Once the mix was accepted and batching for field placement began, additional work is being performed; which included field testing of fresh concrete and heat signature of concrete, and lab testing for compressive strength.

- **Field Testing Technician: D262218, Route 134 Improvements, Ossining, NY**
  Mr. Feldt is served as a field testing technician (DTI) on this paving project. He was responsible for compaction testing by nuclear methods, coring operations of asphalt and generating reports.

- **Inspector, D262037, PIN 9067.39 – Route 17 (Future I86), Sullivan County line to Exit 106, Sullivan County - NYSDOT (2012-2013)**
  Served as a Level III Inspector for this project. Work includes asphalt milling and paving, and various safety improvements

- **Testing Engineer**, Atlantic Testing Laboratories (2010 – 2011)
  - Mr. Feldt served as a Supervisory Testing Engineer for Atlantic Testing Laboratories, in their Hudson Valley Region. In this role, he performed and supervised inspection efforts and a wide ranging testing program for several agency, municipal and private clients. Services included:
    - Embankment/subgrade preparation (including compaction)
    - Structural concrete formwork and reinforcing
    - Reinforced masonry construction
    - Concrete slabs and flatwork
    - Hot mix asphalt; both field and plant inspection

- **Technician**, Atlantic Testing Laboratories (2006 – 2009)
  - Mr. Feldt served as a field inspector/technician on a variety of construction projects for a broad range of agency and private owners. In this role, he reviewed project specifications, identified inspection responsibilities and protocols, established testing schedules and executed the inspection/certification plan.

STRUCTURAL INSPECTOR
EMAD QADI

CREDENTIALS/REGISTRATION

MOSCOW UNIVERSITY MOSCOW, USSR
GRADUATE COURSES AT NJIT, 1992.
MASTERS OF SCIENCE IN CIVIL ENGINEERING.
SETON HALL UNIVERSITY – MASTERS PROGRAM – DIPLOMACY AND INTERNATIONAL RELATIONS REGARDING ENVIRONMENTAL ISSUES

PROFESSIONAL AFFILIATIONS

ACI CERTIFIED SPECIAL INSPECTOR

YEARS OF EXPERIENCE

19 YEARS

MISCELLANEOUS

OSHA, METRO-NORTH AND BRIDGE PAINT SAFETY COURSES.
HAZARDOUS WASTE REMOVAL AND DISPOSAL, INTERESTS
STRUCTURAL STEEL AND BOLTING SPECIAL INSPECTOR
ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR

TECHNICAL SUMMARY

Mr. Emad Qadi is experienced in all types of Bridge construction and Repairs, Construction and Renovation, Trestles, Bridges, Commercial High-rise, Residential, School Construction and Rehabilitation, Railroad, Environmental Cleaning and heavy Civil works. Emad is also experienced in Design Reviews, Estimates Preparation, Preparing and negotiation of Change Orders, CPM schedule review and site visibility studies.

Mr. Qadi is Field Management oriented, possessing a strong grasp of computerized project management control systems, management of contracts, and the interpersonal skills required for building relationships with building occupants and owner personnel. Emad has more than 19yrs experience of which 7 years as a Resident Engineer and 5 years as a Senior Construction Manager.

PROFESSIONAL EXPERIENCE

7/07 – Present
Construction Management Services During 2010, 2011 and 2012 – Newark Airport Construction Inspector Responsibilities are Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions. Check Daily contractor work and prepared daily reports.
Contact Person: Peter Rozpedowski, Resident Engineer, PA, 973-961-6110

Haider Engineering, P.C., New York Project: NY & NJ Port Authority #410-07-002, Performance of Expert Professional Construction Management Services During 2007, 2008 and 2009 – Newark Airport- Construction Inspector; Responsibilities are Responsibilities are Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions. Check Daily contractor work and prepared daily reports.
Contact Person: Peter Rozpedowski, Resident Engineer, PA, 973-961-6110

Oct. 06 – End of April 2006. Lead Project Officer New York City, NY – USA: Job totaling $30,000,000.00 work included building a new school and two level 90 feet long bridge over the highway to existing school, foundations, structural steel, Fireproofing, extensive concrete placement, plumbing, electrical, fire sprinkler, intercom system, data lines, fiber optics, security cameras, central air conditioning, roofing, emergency generator installation etc. In charge of all field operations managed 12 Engineers, 12

Subcontractors and 110 Laborers. Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions.

Mar 2005 - August 2006 MAG Construction, Dubai, UAE, Contracts Manager – Contract Assignment; 66 Story Tower in the Arabian Gulf, total cost $105 MM. Construction included a four-story day care center; Prepared BOQs (Bill of Quantities) based on Architectural Contract Drawings, Prepared, related by trade, Contract Drawings and Specifications for Bidding, Advertised/solicited Subcontractors, Conducted walk-through with potential Subcontractors, Qualified Subcontractors to perform required work, i.e. Bonding, Insurance.

Dec 2003– Mar 2005 QAD, Inc. Upper Montclair, NJ Chief Engineer – General Contractor: Constructed a 16-unit apartment building located in East Orange, NJ, Designed and constructed a 16,000 SF commercial space located in Orange, NJ, Designed and built homes, Designed financed and built residential building in Amman, Jordan, Estimated, scheduled and obtained financing for projects, Prepared Contract Drawings and wrote job specifications, Obtained zoning and building permits.

May 2001– Dec 2003 Jacobs Engineering, New York, NY : Construction Manager of nineteen Public Schools of the State of NJ Health and Safety Program at Paterson Public School System, total construction cost $700 MM; Managed six civil engineers. Reviewed Architectural Designs, structural, electromechanical, entertainment arenas, theater for three schools, worked with independent estimators, prepared phasing plan to conduct construction during School occupancy, Prepared Site Specific Health and Safety Program.
Prepared QA/QC Plans, Determined and prioritized school repairs, i.e. meeting fire code requirements/safety regulations, eterias, HAVC, etc, Advertised for job biddings.

Oct 1996- May 2001 Jacobs Engineering RE/Construction Manager; Extensive Steel/Concrete Repairs at Bayonne and Outer bridge Crossing (The Port Authority of NY and NJ – Client). Brooklyn Polytechnic (Assistant RE): Construction of Dormitory, Stadium and Cafeteria. In Charge of Contract Specifications, Estimates and Design Review and 24Hrs/3 Shift Field Operations, Work Totaling $115 MM.

STRUCTURAL ENGINEER
JAMES A. YHAP, N-IV

CREDENTIALS/REGISTRATION

NEW YORK CITY TECHNICAL COLLEGE – BROOKLYN, NY.
1998-1999
CURRICULUM: CIVIL ENGINEERING

PROFESSIONAL AFFILIATIONS

ICC CERTIFIED BOLTING INSPECTOR
MEMBER, AMERICAN WELDING SOCIETY

YEARS OF EXPERIENCE

23 YEARS

MISCELLANEOUS

11/06 LEED GREEN BUILDING RATING SYSTEMS – LIRO,
08/06 MICROSOFT WORD 2000 – YMCA,
02/05 SAFETY PROCEDURES WHEN WORKING ON METRO-NORTH PROPERTY, MTA,
11/03 FIELD FIXES - SOLUTIONS AND PREVENTIONS – AISC,
08/03 FUNDAMENTALS OF POST-TENSIONED FOUNDATIONS – PTI,
06/03 SOFTWARE APPLICATION (MS WORD AND EXCEL) – QEOC,
03/02 WELDING DESIGN ISSUES SEMINAR – SINY,
08/01 THE REVISED RCSC SPECIFICATION – AISC
10/99 FUNDAMENTALS OF FASTENING TECHNOLOGY AND BOLTED JOINT DESIGN – CLEMSON UNIVERSITY
10/97 CONCRETE REPAIR BASICS – ACI,
04/97 STRUCTURAL WELDING AND SPECIFICATIONS – SSTC,
11/96 CONCRETE FIELD TESTING TECHNICIAN – ACI,
05/96 SAFETY TRAINING COURSE (CSG- 101) – AMTRAK,
05/95 SURVEYING I – IDC,
LEVEL IV – NICET
04/92 INSPECTION OF PORTLAND CEMENT CONCRETE COURSE – NYCDOT,
10/90 QUALITY REQUIREMENTS FOR STEEL STRUCTURES – SSTC,
03/90 BRIDGE INSPECTIONS, EVALUATION AND REHABILITATION – ASCE,
11/88 METHODS OF BRIDGE INSPECTION – NYSDOT
06/87 DRAFTER COURSE – JUMP

TECHNICAL SUMMARY

Mr. James A. Yhap NICET IV has more than 22 years of Experience in the field of Construction management, Inspection and supervision. His professional experience includes: reconstruction and rehabilitation of road and bridges, buildings, treatment plant, upgrading drainage systems, construction of pipes, steel erection, deck construction, and demolition. He gained this experience with NYCDEP,TBTA, NYSDOT and other agencies. He has supervised Contractor's work in accordance with Construction Plans and Specifications. Prepared Inspector's Daily Report kept track of Pay Items, Performed Slump and Air-Entrainment Tests to check the consistency of the Concrete. Following are the projects he has worked on:

PROFESSIONAL EXPERIENCE

Haider Engineering P.C- Chief Inspector, 6/13 to 2/14.
ConnDOT CSO 2183, Project No. 0172-0412 & 0172-0413 for Construction Engineering and Inspection Services (Road, Bridge, Aviation) Pavement Marking. This project consisted of installation of Epoxy Resin Pavement Markings on Interstate Routes in the same locations as the existing epoxy resin pavement markings, except when indicated otherwise in the contract documents or by the Engineer in Various Towns in District 2. The new pavement marking that was installed differed from the previous pavement markings, per the contract plans for the updated pavement markings. As an inspector, his assignment was to inspect all contractors work and ensure conformity with the ConnDOT's plans and specification for the duration of the project. Some of his assignment also included maintenance and protection of traffic during project activities. All records were kept in accordance with the Manual of Uniform Record Keeping (MURK).
Contact Person: Mr. John Dunn, Project Engineer, ConnDOT. Tel: (860)823-3262

Haider Engineering P.C-Senior Construction Inspector, 12/08 to 2/13
NYCDEP Contract NC-CM03, New Town Creek CM Services
Contract: NC-CM03, PIN: 82607WP01081: NC-CM03 provides for Construction Management Services in connection with Construction Contracts NC-41 (G, E, H, P), NC-43, NC-47 (G, E, H, P), NC-48, NC-50 and NC-51 (G, E, H, P).
This construction contract involves construction of the Residuals building and all its mechanical components. The Central Residuals Building (CRB) was designed to centralize the removed residuals (screenings, grit, and scum) to facilitate the removal of residuals from the site and to maximize the necessary odor control of these residuals. The CRB will include the following equipment;

§ Secondary Influent Screens
§ Waste Sludge Screens
§ Grit Cyclones
§ Grit Classifiers
§ Skimming Concentrators

§ Residuals container storage and loading areas
§ Manhattan Flow Meters
§ Carbon Absorber Odor Control Systems

This reconstruction involved the demolition of block walls installed in the tanks under the interim upgrade to simulate step feed flow and demolition of tank walls where the new detritor grit facilities and a new common channel upstream of the aeration tanks will be constructed. The complete replacement of tank equipment, piping and auxiliary systems is included in the reconstruction. The existing South Control Building was originally slated for demolition, including construction of a completely new South Control Building. This plan is currently being reviewed for possible schedule benefits from a partial reuse of the existing south control buildings.

Contact Person: Claude Oriol, Project Engineer NYCDEP Phone# (718) 707-4105

02/05 to 12/08-The LiRo Group.,Senior Inspector:
NYCDOT: Rehabilitation inspection of the Brooklyn Tower Esplanade of the Brooklyn Bridge spanning the East River between the boroughs of Manhattan and Brooklyn, NY.
NYCDOT: Rehabilitation inspection of the Gun Hill Road Bridge over Metro-North Railroad in Bronx, NY.

05/02-02/05- Urbitran Associates,Senior Inspector:
NYCDOT: Rehabilitation inspection of the Cross Bay Boulevard Bridge over Conduit Boulevard in Queens, NY. **NYCDOT:** Rehabilitation inspection of the Guy R. Brewer Boulevard Bridge over Belt System-Southern Parkway in Queens, NY.

09/96-05/02 Munoz Engineering P.C, Senior Inspector / Inspector:
NYCDOT: Reconstruction inspection of the Flatbush Avenue Bridge over Belt Parkway in Brooklyn,NY
NYSDOT: Construction inspection of asphalt concrete, milling, and resurfacing on various routes in Westchester, **NY.** **NYSDOT**: Construction inspection of asphalt concrete, milling, and resurfacing on various routes in Putnam and Dutchess, NY.
NYSDOT: construction inspection of sign structure installation on the Major Deegan Expressway in Bronx, NY. NYSDOT: Construction inspection of sign structure installation on I-295, I-695 and 907F in Bronx, NY.
NJHA: Construction inspection of the Garden State Parkway Bridge repair in Monmouth County, NJ. MISC: Topographic surveying of several projects in NY and NJ.
NYSDOT: Construction inspection of guide rail, overhead signs and landscaping improvements on Routes I-278 and 440 in Staten Island, NY. NYCDOT: Reconstruction inspection of the Melrose Avenue viaduct over Conrail in Bronx, NY.
NYSDOT: Overhead Sign Structure Installation on the Major Deegan Expressway in The Bronx, NY
He was responsible for the inspection of daily MPT setups, excavation for sign structure footings and foundations, installation of steel and timber sheeting, placing rebar cages, setting anchor bolts, structural concrete placement, installation of sign posts and columns, installation of overhead cantilever and span trusses, installation of reflectorized sign panels, installation of galvanized steel conduits, installation of luminaires, pulling, testing and terminating of electrical conductors. A number of sign structures were installed on the 72 span Major Deegan Expressway Viaduct and Ramps to the George Washington Bridge. Some were anchored to the existing concrete parapets. Others were bolted on to the existing structural steels. The existing structural steels were drilled and the new sign structure posts and columns were bolted on.
Reference: Mr. Doug Effner, Engineer In Charge (NYSDOT- Region 11)

NYSDOT: Guide Rails, Overhead Signs and Landscaping Improvements on Routes I-278 and 440 in Staten Island, NY (Contract No.
He was responsible for the inspection of daily MPT setups, short and long terms construction signs installation, clearing site, unclassified excavation, guide-rail installation, asphalt mow strip (under guide rail and around bases of sign structure columns) installation, topsoil, fertilizer, grass seeds and mulch installation.
Reference: Ms. Joan Titus, Engineer In Charge (NYSDOT- Region 11)

SENIOR INSPECTOR
MUHAMMAD M. TAHIR, NICET-IV

CREDENTIALS/REGISTRATION

M.S. ENVIRONMENTAL ENGINEERING, MAY 1990
NEW JERSEY INSTITUTE OF TECHNOLOGY, NEWARK, NEW JERSEY
B.S. CIVIL ENGINEERING, DEC. 1985

NICET LEVEL – IV
CERTIFIED NACE SESSION - I COATING INSPECTOR (NACE INTERNATIONAL)
CERTIFIED NACE CORROSION TECHNICIAN (NACE INTERNATIONAL)
CERTIFICATE OF COMPLETION FOR BASIC CORROSION (NACE INTERNATIONAL)
C-3 SUPERVISOR / COMPETENT PERSON TRAINING FOR DELEADING OF INDUSTRIAL STRUCTURE (SSPC)
CORROSION CONTROL CERTIFICATE - COATING SELECTION, SURFACE PREPARATION, APPLICATION METHODS AND INSPECTION INSTRUMENTS (S.G. PINNEY & ASSOCIATES, INC.)
LEAD AWARENESS CERTIFIED (LEIGHTON ASSOCIATES, INC.)
ACI CONCRETE FIELD TESTING TECHNICIAN - GRADE I
AUTO CAD
CERTIFICATE IN PRIMAVERA CPM SCHEDULING

PROFESSIONAL AFFILIATIONS

MEMBER – AMERICAN SOCIETY FOR QUALITY (ASQ)

YEARS OF EXPERIENCE

20 YEARS

MISCELLANEOUS

MICROSOFT OFFICE, WORD PERFECT, NYSDOT CEES

TECHNICAL SUMMARY

Mr. Tahir is NICET-IV certified and has a Master Degree from NJIT (New Jersey Institute of Technology) with over 20 years of experience as a *Resident Engineer/Chief Inspector/Office Engineer* with a demonstrated record of success in Resident Engineering Inspection Services for roadways, sidewalks, bridges, sewers and water main civil, related projects. He gained this experience on NYCDDC, NYSDOT, NYS Thruway and NYCDEP projects. As a **Resident Engineer**, he supervised Contractor's work and the Inspection Staff in a professional manner. He acted as Liaison Person on various projects to coordinate with the various agencies concerned. He has worked on the following Projects:

PROFESSIONAL EXPERIENCE

Haider Engineering, P.C. - (03/2014–Present): Resident Engineer: HWS2013Q, PIN: 8502013HW0052P Resident Engineering Inspection Services for Sidewalk Reconstruction and Replacement Borough of Queens, NY. DDC. Responsibilities includes project record keeping as per MURK, official correspondence, material certifications and acceptances, verification of condition/quality of material delivered and work performed, concrete testing, pre-construction pictures, punch list, as-built, payrolls, daily reports, weekly and monthly project status reports, change orders, contractor's partial payments, meeting minutes, daily work schedule notifications and MPT violations. **Haider Engineering, P.C.** providing Resident Engineering Inspection Services for construction of new concrete and steel faced concrete curb, construction of sidewalk, site safety and liaison of work with city agencies, maintenance protection of traffic; installation of sidewalk on various communities in the Borough of Manhattan; Sidewalk assessments accurate and properly recorded by block, lot and address; Photographs of existing sidewalk conditions for each sidewalk violation properly indexed by address, block and lot; Conducted Field survey to mark the limits of sidewalk to be constructed for designated properties as per DOT list. **Contact Person: Engineer in Charge: Mr. Jocelyn Damis, Deputy Director, Ph# 718-391-1955**

Haider Engineering, P.C. - (02/2013–02/14): Office Engineer: HWCRQ02S, HWP2012R, Construction of Pedestrian Ramps, Borough of Staten Island, NY. DDC. Responsible for project record keeping as per MURK, reports for field inspections, review of contractor's project schedule, meetings and its minutes, monthly contactor's estimates, correspondences and coordination of office and field activities with contractor and the client. Inspector reports, payments, and liaison with City agencies and utility companies.

The inspection work for the Installation of <u>Pedestrian Ramps and Sidewalks</u> at the designated locations in the Borough of Staten Island, Assisting the Resident Engineer in Coordination with NYCDOT, NYCDDC to obtain the list of locations for the various properties and coordination with the various communities' boards about the schedule of works. Also checking of the contractor's MPT Plans to make sure the work has been done in a safely manner

Contact Person: Mr. Mansukh Mavani, P.E. EIC, NYCDDC (917) 939-6792

Haider Engineering P.C- (Nov. 12 - 01/2013): Chief Inspector: REI FOR Three (3) Emergency Contracts HWSEMERG4 following 2012 Hurricane Sandy, Boroughs of Queens, Manhattan, Staten Island, Brooklyn and the Bronx. PIN: 8502013HW0040C, 8502013HW0041C, 8502013HW0042C – NYC DDC Haider Engineering, P.C. has provided Construction Inspection Services for the installation of **new sidewalks** at designated locations in various community boards in the boroughs of Staten Island, Brooklyn, Queens, and the Bronx. It included the following:

- Conducted Field survey to mark the limits of Sandy damaged sidewalk from the DOT list
- Computed quantities for each location showing Lot, Block & address
- Replacement of Steel and Concrete faced curbs at designated locations
- Coordination with community board prior and duration of the project
- Checking Contractor's MPT for the safety of pedestrians
- Inspection of the pedestrian ramps to make sure the slope does not exceed 8%
- Inspection of reveal of curb and ramp as per specifications
- Sidewalk assessments accurate and properly recorded by block, lot and address
- Photographs of existing sidewalk conditions for each sidewalk violation properly indexed by address, block and construction. **Contact Person: Mr. Mahesh Rana, E.I.C., NYCDDC, 718-391-1965**

Haider Engineering P.C: (7/2012-10/2012) Chief Inspector-NYCDOT- Reconstruction of Carlton Avenue Bridge over LIRR - Types of works includeed Demolition of sub-structure, Installation of Piles, Abutments, Wing Walls, Beams and Girders, Deck, Approach Slab, Parapet, **Sidewalk, Curbs**, Street lighting and Pavement Marking.
Contact Person: Engineer in Charge: Mr. Tony Ohikuare, Project Engineer, NYCDOT, 212-839-4015

Haider Engineering P.C: (05/2008-07/2012) Resident Engineer - WSHD-2A and 3A CM: Construction Management Services in Connection with Miscellaneous Projects in the New York Watershed Area. PIN: 82606WM00182 & 82606WM00183, DEP. The work under this Contract is to provide Construction Management Services for Capital Project WM-30, which includes the various construction contracts.
DEL-25, "Rehabilitation of Kensico South Effluent Chamber & Catskill Screen Chamber" This is mostly Shaft 18 Chlorination System / New Equipment Installation. Meetings with NYCDEP and to discuss & optimize work plan/procedures to effect completion, without disrupting ongoing chlorination during necessary shut-offs.
DEL-57, This is the Health & Safety / Work Plan for DEL-25. The Report was completed by WESTON SOLUTIONS and submitted to DEP.

Resident Engineer – New York State Thruway Authority Contract for Pavement Resurfacing and Miscellaneous Safety Work between M.P. 11.75± and M.P. 25.03± in Rockland County (2003) Responsibilities involved project record keeping as per MURK, material certifications and acceptances, preconstruction and progress pictures, payrolls, subcontractor's approvals, nighttime lighting plans, contractor's monthly payments, meeting minutes, lane closure notifications, change orders, progress schedule, and punch list. Periodic inspection of contract activities involving full depth repairs, cold milling of existing asphalt concrete pavement and shoulders, resurfacing, routing and sealing joints, pavement striping, installation of S.T.A.R., replacement of inductance loops, modification of existing guide rail systems, miscellaneous drainage work, maintenance & protection of traffic.

Office Engineer – New York State Thruway Authority Contract for Pavement Repair, Interchange Modifications, Bridge Joint Repairs, Noise Wall Modifications from M.P. 16.80± and M.P. 29.54± and Miscellaneous Work in the New York Division of the New York State Thruway in Rockland County (09/2005 – 11/2007)_The work consisted of ramp widening, noise wall modifications, concrete and steel repairs to bridges, armored expansion joints, waterproofing bridge decks, guide rail, rehabilitation of roadway drainage, milling and paving. Responsibilities involved project record keeping as per Manual for Uniform Record Keeping (MURK), material certifications, contractor & subcontractor payrolls, contractor's bi-weekly estimates, meeting minutes, lane closure notifications, Order-on-Contracts (OOC), force account work, progress schedule, Equal Employment Opportunity (EEO) correspondences, periodic field inspections and coordination of daily office and field activities with contractor and the client.

SAVIN PERSONNEL QUALIFICATIONS

	Name	Category	MPT	Buildings	Rail	Marine	Airports	Terminals	Tunnels	Bridges
	Project Management									
1	Hussein Elzoghby, P.E.	Project Manager	√	√	√	√	√	√	√	√
	Constructability Review									
2	Bernard Vaughey, P.E.	Constructability Review	√	√						√
3	Victor Frazita, P.E.	Structural Review	√	√	√	√				√
4	Robert Firneis, R.A.	Architect Review	√	√						
5	Fernando Polletta, R.A.	Architect Review		√		√				
6	Steve Martino , P.E.	MEP Review	√	√	√	√	√			
7	Joe Fiteni, Jr., P.E.	Civil Review	√	√	√	√				
	Professional Engineers									
8	David Fredericks, P.E.		√	√	√			√		√
9	Ed Conn, P.E.		√	√						
10	Tim Cheatham, P.E.		√	√				√		√
11	David Han, P.E.		√	√		√	√			
12	Tom Storrie, P.E.		√	√		√	√			
	ACI Concrete Construction Special Inspector									
13	Delsa Fermin									
14	Ken C. Odum		√							
15	Wahaj Warsi			√			√			√
16	David Post		√							
17	Kwasi John		√	√	√				√	√
18	Jason Giel		√		√				√	
19	Hany Costandy									
20	Alex Serebrennik			√	√					√
21	Mark Zaki			√						√
22	Christopher Sotanski		√	√				√	√	√
23	Andrew Feldt		√	√					√	
24	Emad Qadi		10√	√			√			

Savin Engineers, P.C.

SAVIN PERSONNEL QUALIFICATIONS

	Name	Category	MPT	Buildings	Rail	Marine	Airports	Terminals	Tunnels	Bridges
	ICC Certified									
25	Douglas Barillas			√						
26	Albert Wong		√	√						
27	Eric Davis			√						
28	James Yhap		√	√	√					√
	NACE Level 1 Coatings Certified									
29	Anna Hrisomallis		√	√			√			√
30	Edward Obara		√	√				√		√
31	Muhammad Tahir		√							√
	Construction Managers									
32	Michael Betanzos	Sr. Construction Manager		√	√					√
33	Frank Montefusco	Sr. Construction Manager		√	√		√			
34	Joe Tola	Construction Manager	√	√						
35	Nick Furtado	Construction Manager		√						√
36	Nancy Barbera	Construction Manager	√	√		√				
37	Michael Melocoton	Construction Manager	√	√						
	Civil/Structural Inspectors									
38	Tony Darien	Sr. Civil/ Structural Construction Inspector	√	√						√
39	Magdi Iskander	Sr. Civil/ Structural Construction Inspector	√	√			√			
40	Roshan Sidhar	Sr. Civil/ Structural Construction Inspector	√	√				√		√

SAVIN PERSONNEL QUALIFICATIONS

	Name	Category	MPT	Buildings	Rail	Marine	Airports	Terminals	Tunnels	Bridges
41	Thomas Tanner	Sr. Civil/ Structural Construction Inspector	√	√				√		
42	George Van Sant	Sr. Civil/ Structural Construction Inspector	√	√	√					
43	David Post	Sr. Civil/ Structural Construction Inspector	√	√					√	
44	Morgan Scott	Sr. Civil/ Structural Construction Inspector	√	√	√		√		√	√
45	Ken Odum	Civil/ Structural Construction Inspector	√	√	√	√		√	√	
46	Frederick Wallace	Civil/ Structural Construction Inspector	√	√		√				√
47	Milford Alexander	Civil/ Structural Construction Inspector	√	√		√				√
48	Martin Adeniji	Civil/ Structural Construction Inspector	√	√						√
49	Venard Johnson	Civil/ Structural Construction Inspector	√	√						
50	Oscar Hinkle	Civil/ Structural Construction Inspector		√						
51	Tom D'Addio	Civil/ Structural Construction Inspector	√	√						√
52	John Codella	Civil/ Structural Construction Inspector	√	√	√					√
53	Lorraine Zeller	Civil/ Structural Construction Inspector	√	√						√
54	John Franco	Civil/ Structural Construction Inspector	√	√						

SAVIN PERSONNEL QUALIFICATIONS

	Name	Category	MPT	Buildings	Rail	Marine	Airports	Terminals	Tunnels	Bridges
	Electrical Inspectors									
55	David Fredericks, P.E.	Sr. Electrical Engineer	√	√	√	√			√	√
56	Ronald Novello	Sr. Electrical Engineer	√	√				√		
57	Michael Balagula, P.E.	Electrical Engineer/Inspector	√	√						
58	R. Keith Craven	Electrical Inspector	√	√	√		√			
59	Gary Gastiger, P.E.	Electrical Inspector	√	√						
	Mechanical Inspectors									
60	Edward Conn, P.E.	Sr. Mechanical Engineer	√	√	√					
61	Pervaiz Khanzada	Mechanical Inspector		√				√		
62	Tom Murphy	Mechanical Inspector	√	√						
63	Mohammad Oghli	Mechanical Inspector	√	√						
64	Andrew Denniser	Mechanical Inspector		√						
65	Robert Krom	Mechanical Inspector	√	√						√
	Office Engineers									
66	Laura Cavanagh	Office Engineer		√				√		
67	Frank Porco	Office Engineer		√	√	√				√
68	Joseph Rykowski	Office Engineer		√						√
69	Tiwanda Randolph	Asst. Office Engineer		√	√	√		√		
70	Joyce Rosado	Asst. Office Engineer		√						

SAVIN PERSONNEL QUALIFICATIONS

	Name	Category		Buildings	Rail	Marine	Airports	Terminals	Tunnels	Bridges
	Contract Administrators									
71	Nusreta Radoncic	Sr. Contract Administrator		√		√				
72	Darlene Coitino	Contract Administrator		√						
73	Lourdes James	Contract Administrator		√			√			
74	Beth Siegenfeld	Contract Administrator		√						
75	Deidre Dennis	Contract Administrator		√	√			√		√
	Schedulers/Estimators									
76	Stuart Schiller	Sr. Scheduler/Estimator	√	√		√			√	√
77	Aladin Accilien	Scheduler/Estimator	√	√	√					
78	Dean Sproch	Scheduler/Estimator	√	√						
79	Robert Kalpin	Scheduler/Estimator	√	√				√		

	Registered Architects or Engineers in NY or NJ		
	Individual	**Certification**	
1.	Hussein Elzoghby, P.E.	Professional Engineer	
2.	Bernard Vaughey, P.E.	Professional Engineer	
3.	Victor Frazita, P.E.	Professional Engineer	
4.	Robert Firneis, R.A.	Registered Architect	
5.	Fernando Polletta, R.A.	Registered Architect	
6.	Steve Martino, P.E.	Professional Engineer	
7.	Joe Fiteni, Jr., P.E.	Professional Engineer	
8.	David Fredericks, P.E.	Professional Engineer	
9.	Ed Conn, P.E.	Professional Engineer	
10.	Tim Cheatham, P.E.	Professional Engineer	
11.	David Han, P.E.	Professional Engineer	
12.	Tom Storrie, P.E.	Professional Engineer	
	ACI Concrete Construction Special Inspector		
	Individual	**Certification**	
1.	Delsa Fermin	ACI Concrete Construction Special Inspector	
2.	Ken C. Odum	ACI Concrete Construction Special Inspector	
3.	Wahaj Warsi	ACI Concrete Construction Special Inspector	
4.	David Post	ACI Concrete Construction Special Inspector	
5.	Kwasi John	ACI Concrete Construction Special Inspector	
6.	Jason Giel	ACI Concrete Construction Special Inspector	
7.	Hany Costandy	ACI Concrete Construction Special Inspector	
8.	Alex Serebrennik	ACI Concrete Construction Special Inspector	
9.	Mark Zaki	ACI Concrete Construction Special Inspector	
10.	Christopher Sotanski	ACI Concrete Construction Special Inspector	
11.	Andrew Feldt	ACI Concrete Construction Special Inspector	
12.	Emad Qadi	ACI Concrete Construction Special Inspector	
	ICC Certified Structural Steel and Bolting		
	Individual	**Certification**	
1.	Douglas Barillas	ICC Certified Structural Steel and Bolting	
2.	Albert Wong	ICC Certified Structural Steel and Bolting	
3.	Eric Davis	ICC Certified Structural Steel and Bolting	
4.	James Yhap	ICC Certified Structural Steel and Bolting	
	NACE Level 1 Coatings Certified		
	Individual	**Certification**	
1.	Anna Hrisomallis	NACE Level 1 Coatings Certified	
2.	Edward Obara	NACE Level 1 Coatings Certified	
3.	Muhammad Tahir	NACE Level 1 Coatings Certified	

Experience of Firm

Section F

Savin Engineers provides consulting services in engineering and construction management to Municipalities, Industries and other Contracting and Engineering firms. We are certified as a Minority Business Enterprise (MBE) by the City of New York, the States of Massachusetts (SOWMBA), New York, New Jersey, and the Port Authority of New York and New Jersey. Our offices are located in Pleasantville, Syracuse, and Plainview, New York, as well as Bridgewater, New Jersey.

Savin Engineers Construction Management group provides services ranging from bidding assistance, shop drawing review, change order preparation, through construction inspection, contract administration and negotiation, clarifications to project closeout services. Individuals in our Construction Management Group, ranging from NICET I through IV as well as licensed professional engineers have extensive field experience offering the needed breadth and quality of engineering services to our clients.

Savin's staff of special inspection personnel include: American Concrete Institute (ACI) Certified Special Inspectors, International Code Council (ICC) structural steel and bolting inspectors as well as National Association of Corrosion Engineers (NACE) certified coating inspectors.

SAVIN ENGINEERS, P.C.

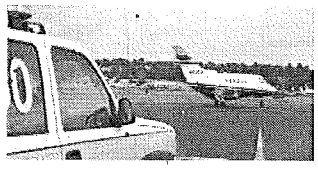
CONSTRUCTION MANAGEMENT SERVICES

- Construction Management
- QA Inspection
- Cost Estimation
- Shop Drawing Review
- Payment Processing
- Agency Coordination
- Public Participation
- Contract Modifications
- Personnel Training
- CPM Scheduling
- On-site Testing
- Proficiency in SAP system
- Maintenance & Protection of Traffic
- Federal Funding Documentation

We possess the demonstrated experience and expertise in providing construction management/inspection services for a broad spectrum of facilities. Currently, we have over 80 individuals assigned to construction projects in the New York/New Jersey area, including 12 at various Port Authority facilities. We have personnel who know PANYNJ facilities and whom the Port Authority knows and trusts.

As a prime consultant, we have provided construction management services for the Port Authority at Teterboro Airport, Stewart International Airport, Port Newark/Elizabeth, Port Ivory/Howland Hook, Port Authority Bus Terminal, Brooklyn Piers, Bathgate Industrial Park, PATH/Journal Square, JFK International Airport, Waterfront Corporate Center at Hoboken, World Trade Center PATH/HUB, George Washington Bridge and the Lincoln and Holland Tunnels. Some of our recent projects with the Port Authority include:

- **Construction Management Call-In Agreement, 2010-Present, PA# 410-10, New York Airports and Port Commerce Facilities**



As prime consultant, Savin is providing construction inspection for various projects including Stewart International Airport, PATH security program, Teterboro Airport, Port Newark, Port Ivory, and assisting the Port Authority on its "lessons learned" initiative for construction contracts.

- **Construction Management Call-In Agreement, 2007-2009, PA# 410-07-007, New York Airports and Port Commerce Facilities**
  As prime consultant, Savin is providing construction inspection for various projects including Stewart International Airport, PATH security program, Teterboro Airport, Port Newark, Port Ivory, and assisting the Port Authority on its "lessons learned" initiative for construction contracts.

- **Construction Management Call-In Agreement, 2004-2006, PA# 410-04-005, New York Airports and Port Commerce Facilities**
  As prime consultant, Savin is providing construction inspection for various projects including Jamaica AirTrain at JFK, La Guardia Airport, Port Newark/Elizabeth, Security Capital Program, and new container-rail transfer facility at Howland Hook.

- **Construction Management Call-In Agreement 2002-2006, PA# 410-02-003, Teterboro Airport**
  As Prime Consultant, Savin is providing complete construction management services throughout Teterboro Airport. Projects include Runway improvements, Taxiway improvements, navigational lighting, security fencing, drainage, utilities, sound proofing neighboring schools and overseeing tenant construction.

- **Performance of Expert Professional Construction Management Consultant Services for the World Trade Center Including the World Trade Center Transportation HUB-PA# PCP-05-002.**
  As subconsultant, Savin has provided construction management/inspection services associated with the PATH HUB including temporary shoring/bracing of the No. 1 & 9 Transit Tunnels, utility relocation and other improvements.

- **Performance of Expert Professional Contract Submittal/Request For Information Management Services as Requested on a Call In Basis During 2009- PA # 402-12-018**
  As a prime consultant, Savin is providing as needed staff for the submittal/ request for information management services.

Savins experience extends to nearly every facility operated by the Port Authority as shown in Figure 1.

Additional on call experience and specific project information including reference contacts follows.

SAVIN ENGINEERS EXPERIENCE AT PORT AUTHORITY FACILITIES

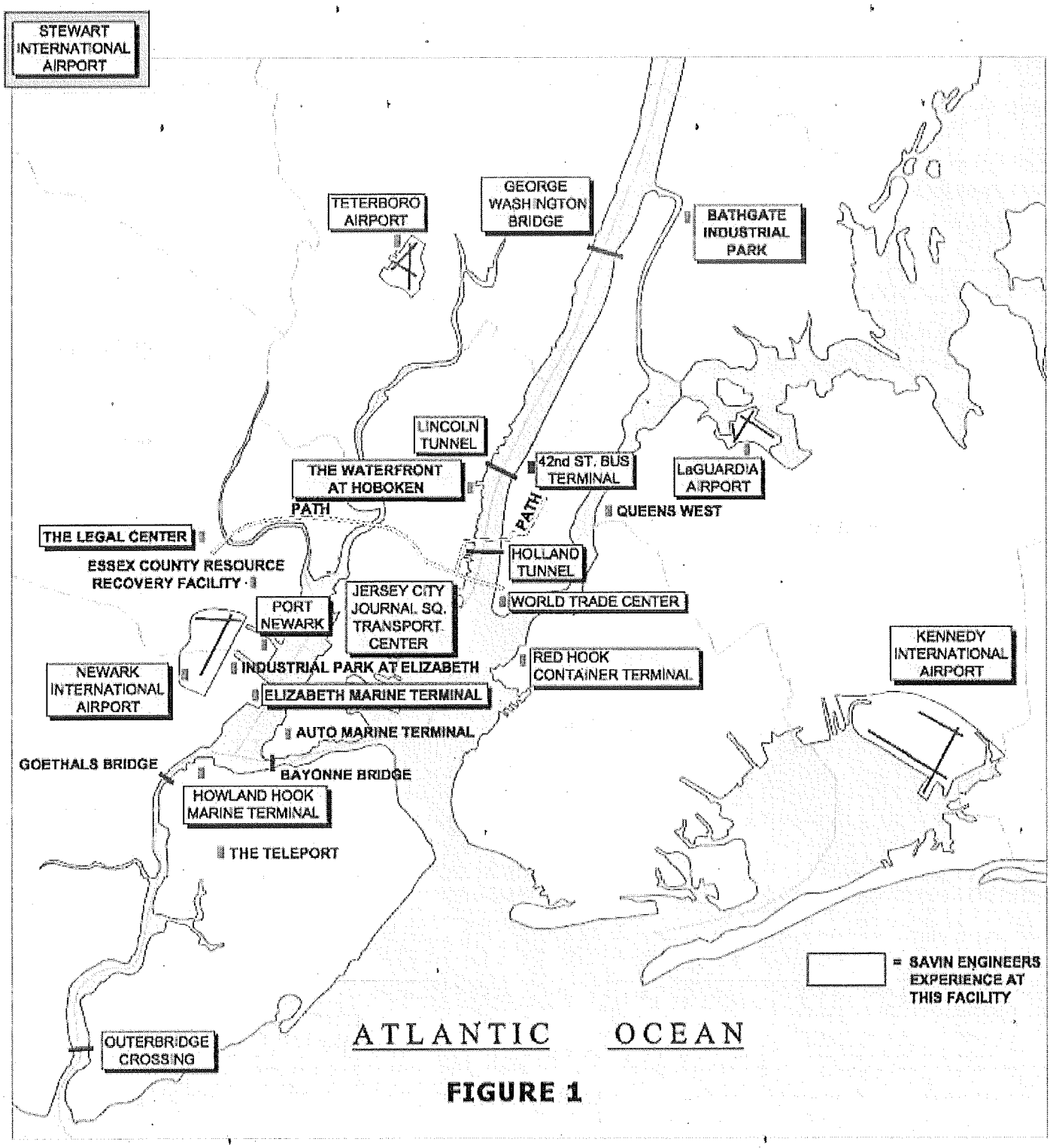
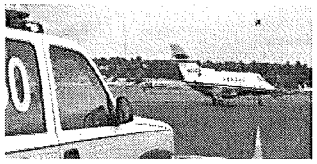


FIGURE 1

Experience of Firm



Section F

Agency	Contract	Services
Port Authority of New York and New Jersey	On Call Construction Management Services	Construction Inspection
Port Authority of New York and New Jersey	On Call Construction Management Services	Construction Inspection
Port Authority of New York and New Jersey	On Call Construction Management Services, Teterboro Airport	Construction Inspection
Port Authority of New York and New Jersey	World Trade Center Commissioning	Commissioning
Port Authority of New York and New Jersey	George Washington Bridge Helix Design	Design
Port Authority of New York and New Jersey	Program Management	Program Management
Port Authority of New York and New Jersey	Construction Management On Call, Sub to Jacobs	Construction Inspection
New York State Thruway Authority	On Call Construction Management Services in New York Division, 2012-2014	Construction Inspection
New York State Thruway Authority	On Call Construction Management Services in New York Division, 2009	Construction Inspection
New York State Thruway Authority	On Call Construction Management Services in New York Division	Construction Inspection
Triborough Bridge and Tunnel Authority	Term Agreement, Construction Management Services	Construction Inspection
Triborough Bridge and Tunnel Authority	Term Agreement, Construction Management Services	Construction Inspection
New York State Office of General Services	Environmental Engineering Services Term Contract	Environmental Engineering
New York State Office of General Services	Environmental Engineering Services Term Contract	Environmental Engineering
New York City Department of Environmental Protection	On Call Construction Management Services	Construction Inspection
Nassau County Department of Public Works	On-Call Construction Management Services: Highway/Bridge Construction	Construction Inspection
New York City Department of Parks and Recreation	On Call Construction Management Services Throughout the five Boroughs	Construction Inspection
New York State Department of Transportation	Region 10 On Call Construction Inspection Term Agreement	Construction Inspection
New York State Department of Transportation	Region 8, On Call Construction Inspection Term Agreement	Construction Inspection
New York State Department of Transportation	Region 9, On Call Construction Inspection Term Agreement	Construction Inspection

Project Profile

Owner

THE PORT AUTHORITY OF NY & NJ

The Port Authority of New York & New Jersey

Project Location

NY Metropolitan Region

Cost

$50 Million

Project Scope

Construction Inspection, Office Engineering, Cost Estimating, CPM Scheduling

Contact

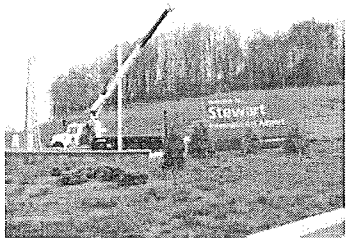
James Starace
PANYNJ
(201) 216-2070

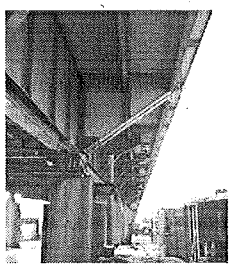
construction management

Construction Management on a Call-In Basis - 2007, 2008, 2009

Description

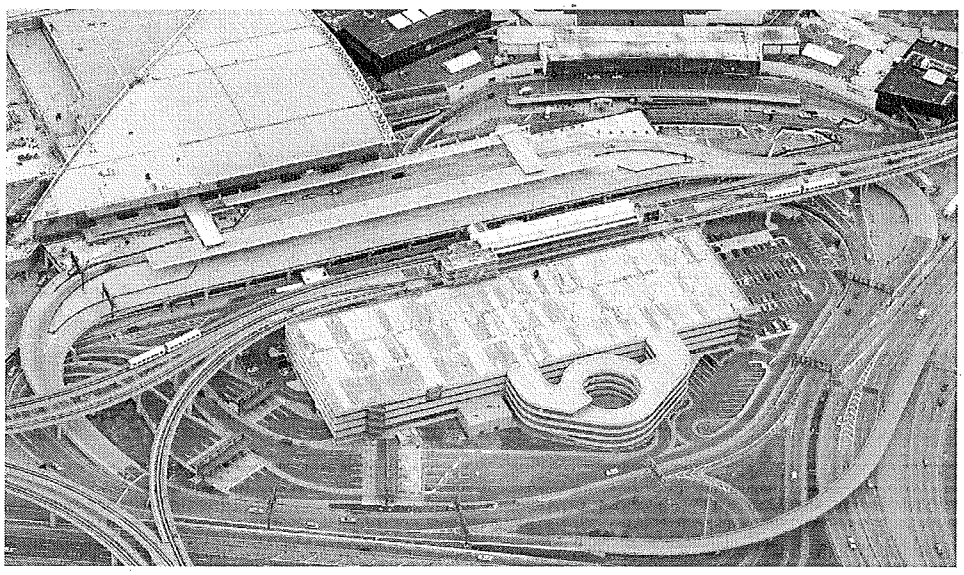
Savin Engineers is providing "call-in" construction management services for numerous Port Authority Facilities. Services include but not limited to construction inspection, office engineering, cost estimating services, constructability reviews and CPM Scheduling. These services were performed for Stewart International Airport, Teterboro Airport, Howland Hook Marine Terminal, PATH/Journal Square, Port Newark and Hoboken Corporate Center. In addition Savin was selected under this contract to assist the Port Authority with its "lesson learned initiative". The projects completed under this initiative included; Lincoln Tunnel Contract LT-524, Red Garage at JFK and Terminal B at Newark Airport.





SAVIN
Savin Engineers, P.C.

Project Profile



Owner

THE PORT AUTHORITY OF NY & NJ

The Port Authority of New York & New Jersey

Cost

$100,000

Project Scope

Facilitator for Post–Mortems for Contracts

Contact

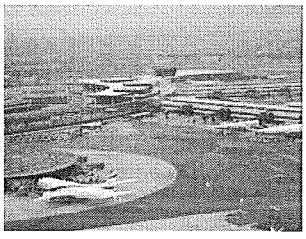
James Starace
PANYNJ
(201) 216-2070

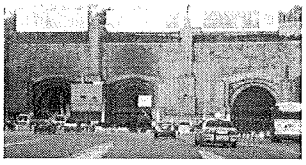
transportation

Lessons Learned Initiative

Description

As part of the M/WBE "Call-In" agreement, Savin was selected to act as the facilitator for the Port Authorities Lessons Learned Initiative. The initiative was established by the PANYNJ to improve the performance of construction contracts. Its basic approach is to obtain input from all involved parties on a construction project including but not necessarily limited to, contractor, subcontractors, facility, design division, materials division, construction management division, planning and program management subcontractors.





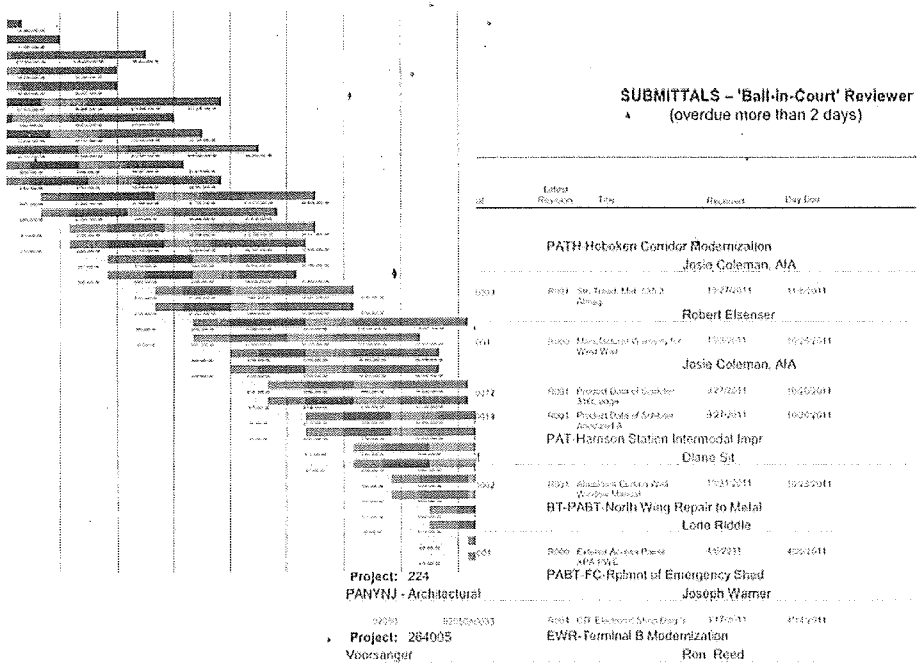
Key individuals from each party are interviewed utilizing a standard questionnaire in order to assess the project as well as the process. Once all parties have been interviewed, a summary review meeting is held and key recommendations/findings are developed, and a summary report prepared.

Thus far Savin has assisted the PANYNJ on 3 projects with this initiative:

- Lincoln Tunnel, Contract LT-524
- Red Garage at JFK, Contract JFK-134.100B
- Terminal B Improvements at Newark Airport, Contract EWR-434.070

SAVIN
Savin Engineers, P.C.

Project Profile



Owner

THE PORT AUTHORITY OF NY & NJ
The Port Authority of New York & New Jersey

Project Location

NY Metropolitan Region

Cost

$ 0.5 Million

Contact

Dee Dee Kaur
PANYNJ
(732) 792-3647

construction management

Contract Submittal/Request For Information Management Services as Requested on a Call In Basis During - 2009

Description

Savin Engineers is providing "call-in" Contract Submittal/Request for Information management services for numerous Port Authority Facilities. Services include but not limited to Primavera Contract Manager Specialists, office engineering, cost estimating services, constructability reviews and CPM Scheduling. These services were performed for almost all Port Authority facilities.

Savin Engineers, P.C.

Project Profile

Owner

THE PORT AUTHORITY OF NY & NJ

The Port Authority of New York & New Jersey

Project Location

NY Metropolitan Region & Newburgh, New York

Cost

$50 Million

Project Scope

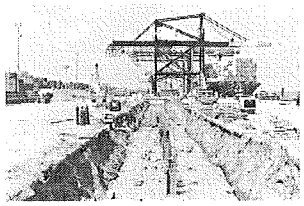
Construction Inspection, Office Engineering, Cost Estimating, CPM Scheduling

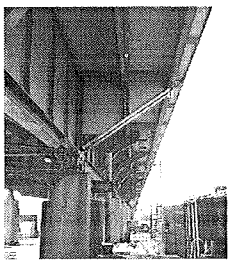
construction management

Construction Management on a Call-In Basis

Description

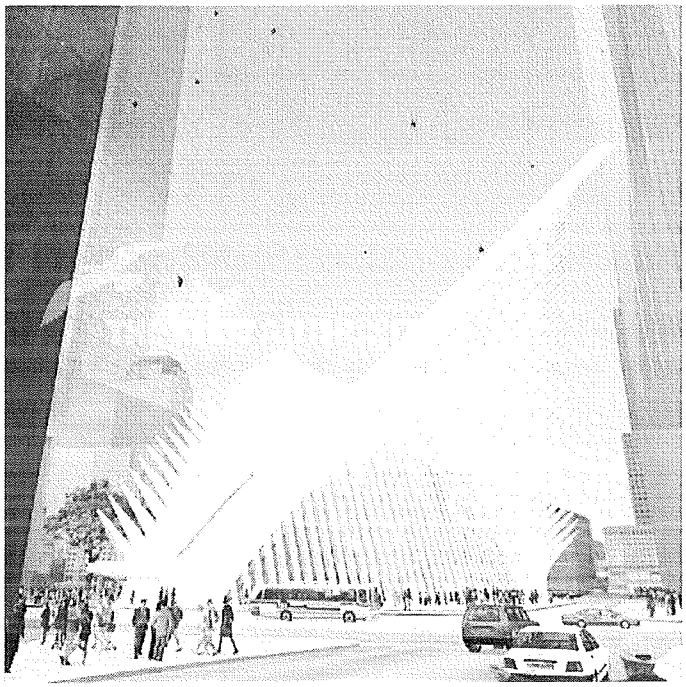
Savin Engineers is providing "call-in" construction management services for numerous Port Authority Facilities. Services include but not limited to construction inspection, office engineering, cost estimating services, constructability reviews and CPM Scheduling. These services were performed for Stewart International Airport, Teterboro Airport, Howland Hook Marine Terminal, PATH/Journal Square, Port Newark and Hoboken Corporate Center. In addition Savin was selected under this contract to assist the Port Authority with its "lesson learned initiative". The projects completed under this initiative included; Lincoln Tunnel Contract LT-524, Red Garage at JFK and Terminal B at Newark Airport.





SAVIN
Savin Engineers, P.C.

Project Profile



Owner
THE PORT AUTHORITY OF NY & NJ
The Port Authority of New York & New Jersey

Project Location
New York, New York

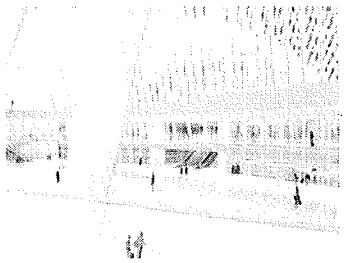
Cost
$ 1.1 Billion

Project Scope
Construction Inspection

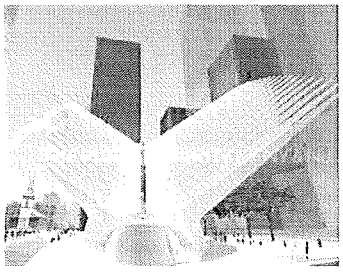
construction management

World Trade Center Transportation Hub

Description



Savin Engineers, P.C., as a subconsultant to the PB•URS Joint Venture, is providing construction management services for the new World Trade Center PATH Transportation Facility. The new Hub will consist of a state of the art, climate controlled, open building, which will be ADA compliant.



The project includes:

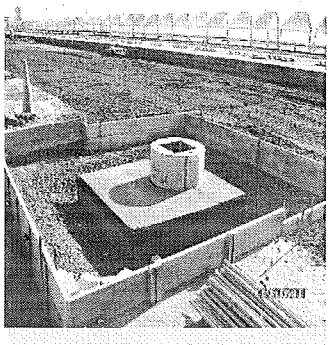
- Removal of existing structures and related excavation
- Restoration of platform stations
- Creation of a multi-level transit building
- Pedestrian connections
- Street entrances to the Hub

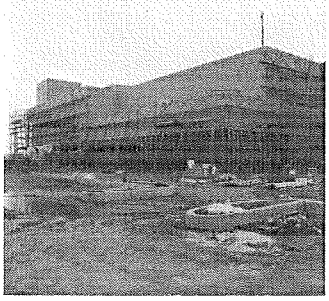
This project will greatly contribute to the recovery of Lower Manhattan by meeting the transportation needs of commuters, residents and visitors.

SAVIN
Savin Engineers, P.C.

Experience of Firm

Section F





Haider Engineering P.C. is a consulting Engineering Firm, experienced in the field of Construction Management and Inspection Services, located in Farmingdale, NY with a branch office in Baldwin, NY. Haider Engineering, P.C. is a minority owned multi-discipline consulting engineering firm founded in 1990. Haider is a certified Minority and Disadvantaged Business Enterprise (DBE/MBE), certified as such by the New York State Governor's Office, NYSDOT and the NYC Department of Business Services. Haider Engineering P.C. has strong history, managing and providing comprehensive construction and engineering, inspection and construction support services to various government agencies. As a firm, it has directed about $500 Million worth of Construction projects for NYSDOT, NJDOT, TBTA, PANY&NJ, NYCDOT, NYCDDC, NYCHA, NYSTA & NYCDEP. Some of their recent Port Authority experience includes:

Performance of Expert Professional Construction Management Services (MBE/WBE) For New York Airport And Port Commerce Projects As Requested On A "Call In" Basis During 2007, 2008 And 2009 (PA# 410-07-002): Services performed included: Construction Inspection Services, Structural Steel, Structural Concrete, Asphalt and Concrete Paving, Painting of Structural Steel, Electrical, Mechanical; Construction Contract Administration; Constructability Review; Cost Engineering/Estimating. Task Assignments Includes: JFK, LaGuardia and Newark Liberty International Airports.

Performance Of Expert Professional Construction Management Services (MBE/WBE) For New York Airport And Port Commerce Projects As Requested On A "Call In" Basis During 2010, 2011 And 2012(PA# 410-11-016): Services to be performed include: Construction Inspection Services, Structural Steel, Structural Concrete, Asphalt and Concrete Paving, Painting of Structural Steel, Electrical, Mechanical; Construction Contract Administration; Constructability Review; Cost Engineering/Estimating. Task Assignments Includes: JFK, LaGuardia and Newark Liberty International Airports.

Performance of Expert Professional Construction Management Services (MBE/WBE) For New York Airport and Port Commerce Projects As Requested On a "Call-In" Basis During 2007, 2008 And 2009 (PA# 410-07-002): Services to be performed include: Construction Inspection Services, Structural Steel, Structural Concrete, Asphalt and Concrete Paving, Painting of Structural Steel, Electrical, Mechanical; Construction Contract Administration; Constructability Review; Cost Engineering/Estimating. Task Assignments Includes: JFK, LaGuardia and Newark Liberty International Airports.

Experience of Firm

Section F

Hudson Valley Engineering Associates, HVEA is a certified Disadvantaged Business Enterprise (DBE) and a certified Women-owned Business Enterprise (WBE). HVEA is also WBE Certified by PANYNJ and City of New York.

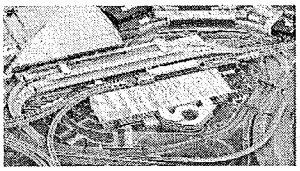
HVEA specializes in design and construction inspection of transportation infrastructure with offices located in Dutchess and Rockland Counties. Founded in 2002, the firm has evolved as a premier transportation firm in the region. HVEA has completed a wide variety of federal-aid local projects throughout the region with costs ranging from $0.650 to $66 million. Savin and HVEA have worked together on several construction management projects. Some of their recent Port Authority experience includes:

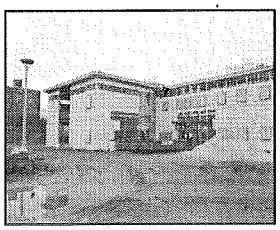
Stewart International Airport - Rehabilitation of Cargo Road and Parking Area for Building 2290

This Port Authority of New York and New Jersey project was started and completed November 2013. HVEA staff was responsible for the laboratory testing of subbase material followed by the on-site Nuclear Density Testing of subbase material and asphalt. HVEA staff tested the subbase by completing a modified proctor and obtained an optimal moisture percentage and density value to be referenced in the field. Subbase was then tested for compaction in the field using our laboratory acquired numbers. Approximately 970 tons of asphalt was laid down over the fresh subbase. Nuclear Density Testing was performed by HVEA staff on site for QC purposes. Port Authority of NY & NJ Materials Division staff was on hand to provide QA. PANYNJ staff will be responsible for the coring of the fresh asphalt.

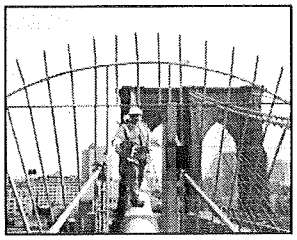
Goethals Bridge QA

The design-build project is a Public-Private partnership (P3) between the PANYNJ and NYNJ Link Partnership—a joint venture of Macquarie Infrastructure and Real Assets Inc. and Kiewit Development, with Parsons Transportation Group of New York as lead designer. HVEA will perform on-site testing of concrete, nuclear density testing of compacted fills, and a variety of laboratory services. We will also perform cross-hole sonic logging (CSL) of the drilled shaft foundations. The new 900-foot-long span will be located south of the existing structure, over the Arthur Kill, a channel separating New Jersey and Staten Island. Construction is expected to begin this year and will be finished in late 2017. The new span will have six 12-foot-wide lanes and 12-foot- wide shoulders and include a central strip wide enough to accommodate mass-transit service. A 10-foot-wide sidewalk and bike path will run along the northern edge of the New Jersey bound roadway.





The Construction, Bid-ability, and General Engineering Review process has to be thorough enough to make sure that costly errors are found and avoided before the contractor finds them during construction.



The following approach demonstrates how the Savin team will perform the required services and ensure the quality of the work product. Our approach addresses each of the tasks outlined in Item III: Description of Consultant Tasks in Attachment A.

CONSTRUCTABILITY, BIDABILITY, AND GENERAL ENGINEERING REVIEW

Savin Engineers will conduct an ongoing analyses of the constructability of designs during Design Development at the 50 to 60 percent phase of construction documents, and again at the 90 to 100 percent phase.

During the review at the Design Development/Stage II, our review primarily focuses on finding major constructability and coordination issues, along with checking preliminary code compliance resolutions. At the final Design and Contract Document Preparation/Stage III phase, Savin will perform a final cross check and coordination review of the plans and specifications.

The following constructability review services are provided:

- Review of all drawings and specifications, schedule, estimate, and sequencing.
- Return red-line drawings to assist A/E with corrections.
- Generate a list of questions, observations and recommendations.
- Provide detailed observations sorted by drawing/specification.
- Document all constructability comments in a log.
- Meet with appropriate parties to review detailed observations.
- A back-check to verify that observations were incorporated into the contract documents.

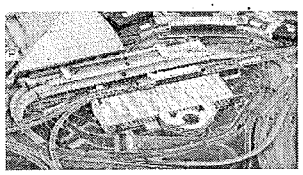
These tasks are accomplished by utilizing a **Five-Step Process**:

Step 1: Preparation

- Disciplines to be reviewed will be identified.
- Staff will be assigned to each discipline.
- A kick-off meeting will be scheduled and held.

Step 2: Review and Comment

- Discipline will be thoroughly reviewed, along with its applicable technical specification section.
- Work discipline will be compared to bid schedule.
- Ensure specs describe the work to be done and corroborate what is on the drawings and that the drawings correspond to the specs.



Savin's review addresses drawing discrepancies conflicting information, and design information that may result in inefficiencies and schedule delays during the construction process.

Finding the errors is only part of the solution - verification that the problems that were found have actually been resolved in the documents is crucial.

CONSTRUCTABILITY, BIDABILITY, AND GENERAL ENGINEERING REVIEW (cont.)

Step 2: Review and Comment (cont.)

- Ensure drawings logically lead from general information to precise details.
- Ensure all relevant existing conditions are clearly depicted and defined by location, size and include a description.
- Check all cross references by bubble or cut marks for a match.
- Review bid schedule concurrently with the drawings and spec sections.
- Verify bid schedule item description matches scope of work.
- Confirm pay modes (i.e. unit price, allowance, etc.) are appropriate.

Step 3: Final Check and Reproduction

- Re-read all comments to assure they are clear.
- Note: this information will be turned over to the designer and the owner after Step 4 has been completed.

Step 4: Spec Read

- A review meeting to discuss the bid documents with all stakeholders will be scheduled and facilitated by Savin; marked-up plans and specifications and/or spreadsheets will be handed over at the end of the meeting.

Step 5: Back-Check

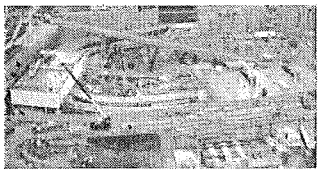
- Revised plans and specifications will be reviewed to determine which comments the designer has incorporated, how they were incorporated, and what elements were not incorporated.

Savin has provided constructability and bid-ability reviews to the following clients:

- NYCDEP (New York City Department of Environmental Protection)
- Newtown Creek Interim Upgrades
- North River Co-gen Facilities
- Crane Road Bridge Replacement
- 5 Upstate Watershed Bridges for NYDEC
- Woodland Viaduct Bridge Replacement

The individuals who perform this work are seasoned construction professionals and are selected based on their expertise. They include:

Hussein Elzoghby, P. E.	Structural/Mechanical
Joseph Fiteni, P. E.	General Construction
Robert Firneis, F.A.R.A.	Architectural/Civil
David Fredericks. P. E.	Electrical/Instrumental
Victor Frazita, P. E.	Transportation/Civil

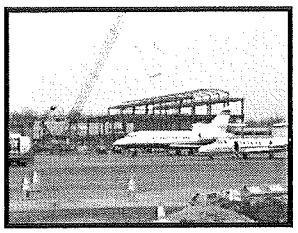


CONSTRUCTION STAGING

Savin Engineers will review and provide input and recommendations on how to maintain facility operations and minimize disruption and inconveniences to building users at those sites that are undergoing construction activities.

All submittals shall include a Construction Staging Plan which includes the site layout of temporary construction measures.

A construction staging site, generally located adjacent to the area under construction required to manage construction activities will be specified and designated by the architect during the preliminary stages of design. The temporary designated area of the staging for necessary construction related purposes, such as a construction trailer, construction equipment, a materials trailer, building materials and other related work uses, will be presented and reviewed with the Owner for approval. Fencing and access will be included on the proposed construction staging plan for review.



The main purpose is to identify the temporary construction measures that will be implemented to provide a safe work environment, and minimize disruption.

Criteria shall include, but not be limited to size, access, fencing, and impact on users. These impacts will include: multimodal (pedestrian, bicycle, motorized vehicles) circulation routes, proximity of adjacent activities, emergency vehicle access, trees and other major landscape material, and cost constraints as well as development opportunities in restoring the construction staging area back to its pre-construction condition including repairs to any damaged pavement, curbs, markings, or other public infrastructure components.

Items to be included in a Construction Staging Plan generally include, but are not limited to the following:

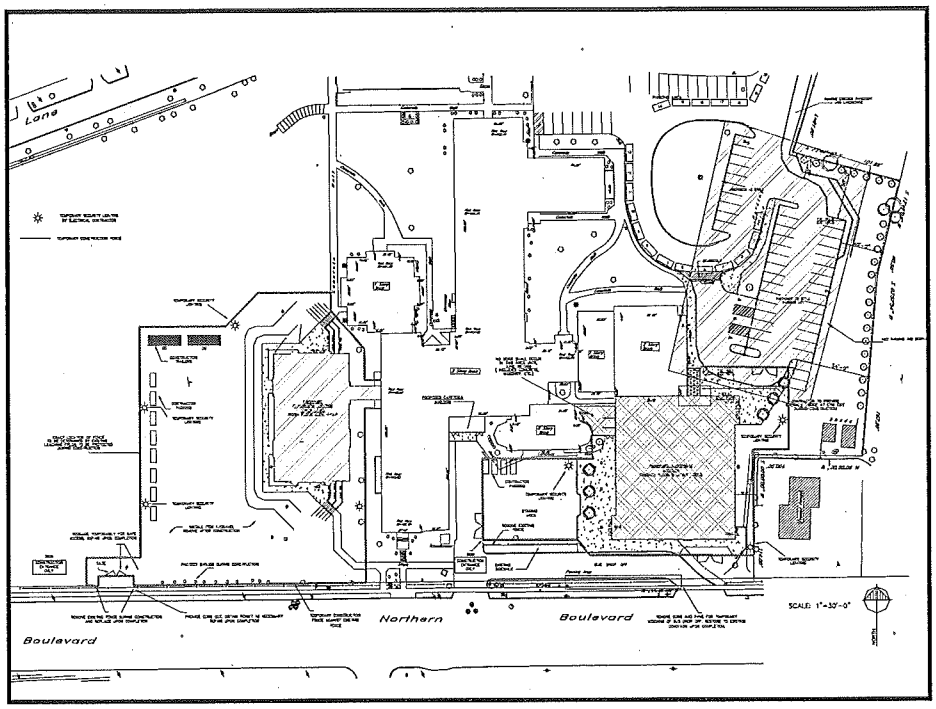
- Temporary Construction Fencing: A temporary construction fence may be installed along portions of the perimeter of a construction site which are not readily accessible to pedestrian traffic
- Construction Sign: Indicate the location of the sign which shall be secured to a barrier or temporary construction fence. The sign shall display the following verbiage:
  - "CONSTRUCTION SITE – NO TRESSPASSING"
  - The contractor's name and 24-hour emergency contact telephone number and,
  - The barrier and/or fence contractor's name and 24-hour emergency contact telephone number.

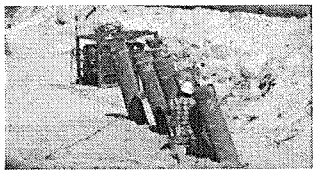
- *Work areas to perform the work will be limited.*
- *Work that will interfere with facility operation will not be scheduled without approval.*
- *All equipment will be properly stored at all times, including those times when no work is being performed at the site.*
- *Materials and equipment will be stored within the fenced area.*
- *Work hours will be coordinated with the Project Manger assigned to the site.*

CONSTRUCTION STAGING (cont.)

- Traffic Plan: Provide drawing or written narrative indicating proposed street paths to be used for movement of equipment and debris.
- Parking Plan: Provide drawing or written narrative indicating proposed parking areas to be used for parking for construction workers.
- Construction Sign
- Dumpster: Indicate size and location of dumpster to be used for construction debris.
- Construction Staging Area: Indicate location of construction staging areas, including the location of construction hoists, cranes, delivery areas and fabrication areas.
- Material Storage: Indicate location of area to be used for storage of construction materials to be incorporated into the work.
- Porta-Potty: Indicate the location of porta-potties.

Sample Construction Staging Plan





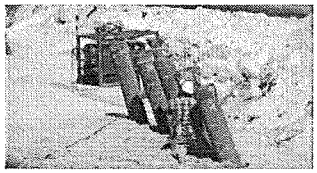
SCHEDULE DEVELOPMENT AND MONITORING

The Critical Path Method (CPM) schedule not only keeps the project on track, but is a powerful tool in avoiding construction delays and, if necessary, in formulating a claim against a defaulting contractor. The schedule is established during the post bid phase and is then updated monthly during the following phases. Savin's scheduling is separated as a task by our scheduler who can be at the site monthly and then updates the schedule. This serves as a check and balance against the activities in the field.

The schedule will identify the critical path and address staging, project interferences, facility operational restraints, and other requirements.

The steps we take include:

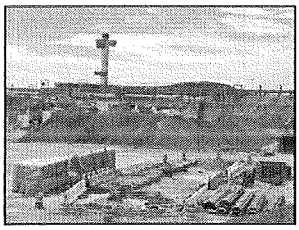
- Creation of a master project schedule itemizing tasks and durations for all Team members. This includes development of a detailed construction schedule for individual contracts.
  - Schedule will identify the critical path.
  - Schedule will address staging, project interferences, facility operational restraints, and other requirements.
  - Schedule will be updated regularly beginning at the receipt of bids.
  - Any/all problems that impact the schedule will be identified. Alternative solutions to minimize or eliminate any negative impact on the schedule will be recommended.
- Report based on our communication plan, adherence to the schedule.
- Recommend pre-bid materials in the schedule if the schedule is aggressive.
- Establish pre-bidder qualifications to be part of the specifications.
- Solicit bids in multiple bid packages beyond the four prime contractors allowing for decreased costs by saving General Contractor overhead and profit.
- Closely monitoring work in progress.
  - Contractor's schedules will be reviewed as received for consistency with contract requirements and appropriateness.
  - Comments and recommendations for schedule for approval/ disapproval will be provided when appropriate.
  - Regular monitoring of contractor schedules as construction progresses will be provided.



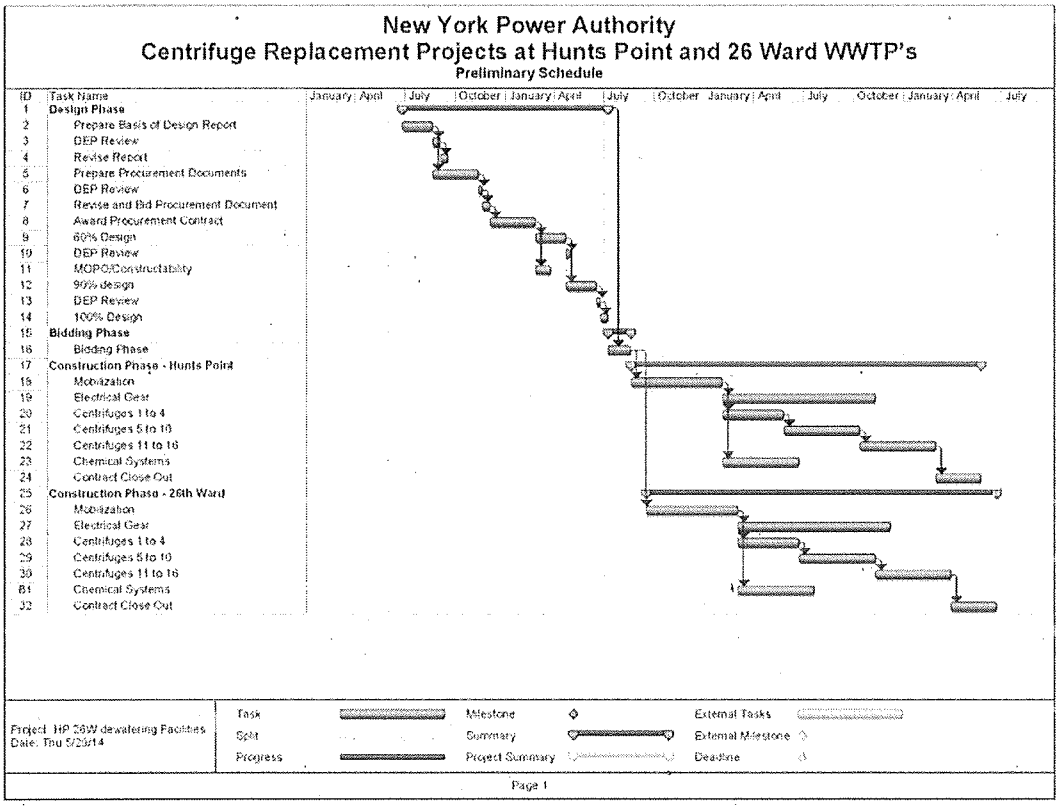
SCHEDULE DEVELOPMENT AND MONITORING (cont.)

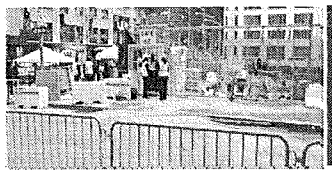
- Where contractor schedules are not in conformance with contract requirements, methods to accelerate the contractor's work to meet the requirements will be provided.

- Implement quality control plan.
- Secure all closeout documents.
- Coordinate training for all new equipment.
- Maintain cost records and assist with final reports.
- Provide final project report.



Savin has provided schedule analysis for the Port Authority on the following projects: Howland Hook Marine Terminal Teterboro Airport Newark Liberty International Airport.





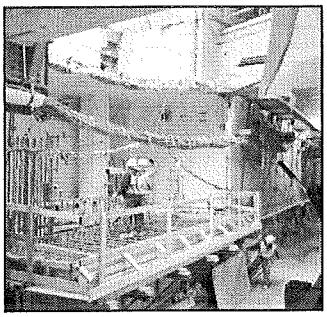
CONTRACT ADMINISTRATION

Contract administration procedures are essential to ensure effective project management.

Contract administration can be straightforward or complex, depending on the nature and size of the project. Administering a contract entails creating an administration plan, and then monitoring performance throughout the varied activities that occur during project execution.

Key contract administration activities include:

- Ensuring compliance with contract terms and conditions.
- Practicing effective communication and control.
- Managing contract changes, invoicing and payment.
- Resolving claims and disputes.



An organization's failure to fulfill its contractual obligations could have legal consequences.

PACC (Post Award Contract Changes)

During this process Savin will ensure that each party's performance meets contractual requirements. Because of the legal nature of the contractual relationship, Savin's project team is acutely aware of the legal implications of actions taken when administering the contract.

A Savin project team member will observe performance of contractual obligations. This individual, acutely aware of the legal and financial consequences of an action or failure to act, will take steps to ensure required actions are taken and prohibited actions are avoided. He/she will monitor Savin and the other party to ensure that both parties are keeping their obligations.

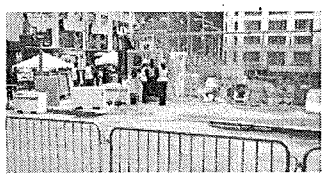
The post-award phase of the contract management process includes applying the appropriate contract administration and project management actions to the contractual relationships and integrating the output from these into the general management of the project.

Change Order Resolution and Claims

Savin Engineers endeavors to hold to a "no change order policy" exclusive of Owner driven scope changes. Holding the line on project costs will allow the Authority use the funds more effectively elsewhere.

This goal of **Savin Engineers**, results in change orders in the value of 1.5% – 2% of The project costs. We are able to meet this by implementing the following:

- Detailed plan reviews prior to bid by all disciplines.
- Include specific cost allowances as part of base bids.
- Analyze requests for change orders.



CONTRACT ADMINISTRATION (cont.)

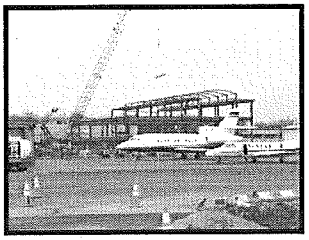
Time and Materials

Savin will monitor and process all contracts for time and materials. All payables and receivables for the job will be tracked and entered. Invoices will be computed, reviewed, and job cost records will be edited, if necessary.

Payment Applications

As a method of controlling what items or materials have been provided by the contractor, Savin will utilize the application for payment to identify and present the method on how a contractor will be paid. This will include services or items that are being incorporated or jobs being executed under the contractor's specific contract agreement. It is generally presented as a list with the unit price of each item and the quantities of product/material being furnished. Savin will facilitate the calculation and documentation of progress payments where the basis of payment is a guaranteed maximum price and where the contract price is a lump sum. Savin's payment application process also includes the Schedule of Values, and Schedules 2 and 3.

An application for payment is a valuable tool to expedite payment and minimize the possibility of error.

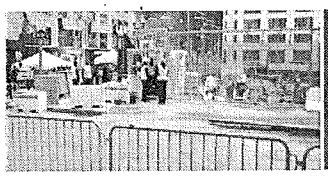


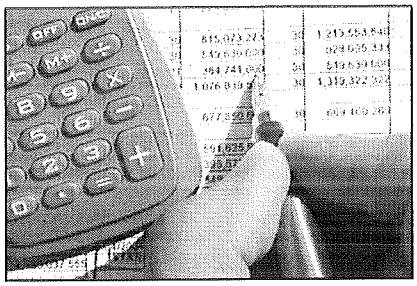
Analysis of Contractor Claims

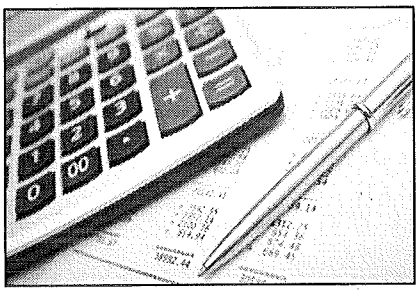
Savin Engineers, P.C. is providing claim analysis services for the Port Authority of New York and New Jersey's project "EWR264.003 Newark Liberty International Airport – Terminal B Modernization Program". The project scope includes the Lower Level Expansion, Vertical Circulation and Electrical Upgrades at Terminal B.

The analysis includes the review and response to the General Contractor's claim for damages, totaling over $7 million, submitted in three (3) parts: the Extended General Conditions claim seeks compensation for additional time; the Loss of Productivity claim seeks to recover costs expended for labor due to delays; and, the Remote Parking includes reimbursement for off-site parking and associated Loss of Productivity costs to shuttle employees.

The claim analysis report includes evaluation of the critical path progress schedules and project records to assign responsibilities for delays and calculate the cost of delays. The contractor's use of the Measured Mile method to calculate Loss of Productivity is challenged and an alternative customized formula was employed.







CONTRACT ADMINISTRATION

Reporting & Document Control

Since control of the contractors depends largely upon the ability to accurately track change orders, requisitions, and payments, our project accounting department tracks costs from the pre-construction phase until project closeout. Requests for payment, previous payment amounts and approved change orders are cross-checked before being signed by the designer. Payment amounts are recommended, open balances and retainages are reported, and finally, job specific, contractor specific lien releases are provided. An Executive Summary keeps the Port authority Team apprised of the financial status of the project on a bi-monthly basis. Monthly reports are customized as needed.

The result is a comprehensive report. Our office tracks the following contractor Requirements: Contract, performance bonds, payment and labor bonds and Approved schedules of values, list of vendors/subcontractors, safety Submissions, product submittals and shop drawings. Especially important, certificates of insurance are continually monitored to assure that the Port Authority is protected.

Meetings

Savin personnel attend and facilitate project team, construction, Owner, and public meetings as required and/or requested.

Savin utilizes three cost estimating systems to obtain construction costs with a customized program database by Wintrack:

- *Means Database Software* Means data, adjusted by region and updated periodically, is utilized to produce unit costs of typical and usual items.

- *Savin Unit Costs Database* Savin maintains unit cost from recently bid jobs and applies these in estimating projects of a similar nature and/or geographic location

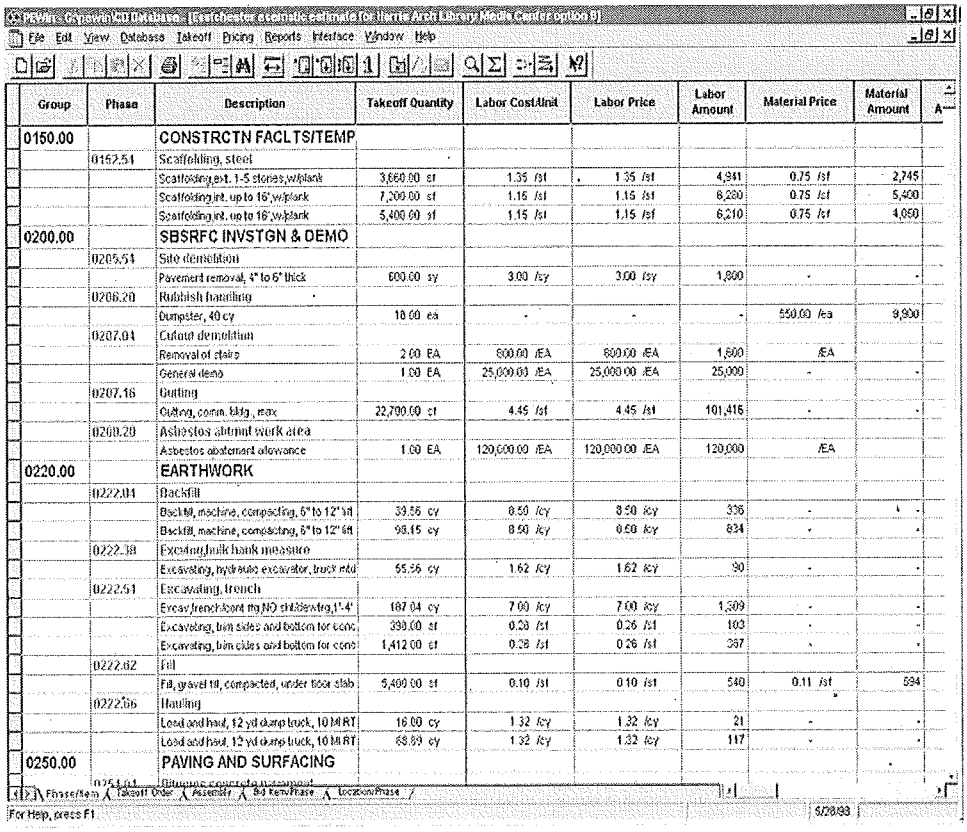
- *Costs for Specialties* Each project contains specialty items. Unit costs for such are obtained through contact with the manufacturer of the item and installers

COST ENGINEERING/ESTIMATING SERVICES

The project's budget will be established by the Authority's team. It is important that the budget be maintained. This is achieved by monitoring the budget during the pre-construction and construction phases. The first tool of monitoring of the budget during the pre-construction phase is via cost estimating as described below.

The purpose of cost estimating is to provide the Owner with budget confirmation by monitoring construction cost trends to achieve highly competitive bids within the established budget. This is accomplished by:

- Performing detailed takeoffs and pricing.
- Preparing estimate reports for Owner review.
- Recommending alternate bid packages and general condition changes if needed, to protect the Owner.



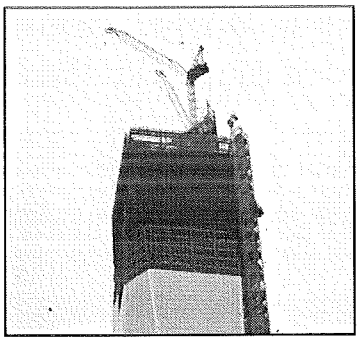
File Edit View Database Takeoff Pricing Reports Interface Window Help

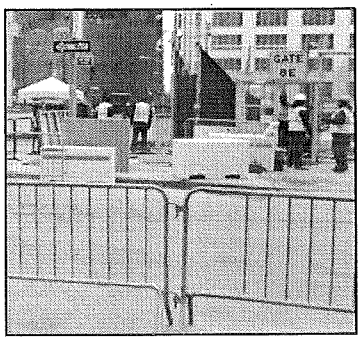
Group	Phase	Description	Takeoff Quantity	Labor Cost/Unit	Labor Price	Labor Amount	Material Price	Material Amount
0150.00		CONSTRCTN FACLTS/TEMP						
	0152.51	Scaffolding, steel						
		Scaffolding,ext. 1-5 stories,w/plank	3,660.00 sf	1.35 /sf	1.35 /sf	4,941	0.75 /sf	2,745
		Scaffolding,int. up to 16',w/plank	7,200.00 sf	1.15 /sf	1.15 /sf	8,280	0.75 /sf	5,400
		Scaffolding,int. up to 16',w/plank	5,400.00 sf	1.15 /sf	1.15 /sf	6,210	0.75 /sf	4,050
0200.00		SBSRFC INVSTGN & DEMO						
	0205.51	Site demolition						
		Pavement removal, 4" to 6" thick	600.00 sy	3.00 /sy	3.00 /sy	1,800	-	-
	0206.20	Rubbish handling						
		Dumpster, 40 cy	10.00 ea	-	-	-	550.00 /ea	9,900
	0207.01	Cutout demolition						
		Removal of stairs	2.00 EA	800.00 /EA	800.00 /EA	1,600	/EA	
		General demo	1.00 EA	25,000.00 /EA	25,000.00 /EA	25,000	-	-
	0207.16	Cutting						
		Cutting, conn. bldg., misc	22,700.00 sf	4.45 /sf	4.45 /sf	101,015	-	-
	0209.20	Asbestos abtmnt work area						
		Asbestos abatement allowance	1.00 EA	120,000.00 /EA	120,000.00 /EA	120,000	/EA	
0220.00		EARTHWORK						
	0222.01	Backfill						
		Backfill, machine, compacting, 6" to 12" lift	39.56 cy	8.50 /cy	8.50 /cy	336	-	-
		Backfill, machine, compacting, 6" to 12" lift	98.15 cy	8.50 /cy	8.50 /cy	834	-	-
	0222.38	Excavtng,bulk bank measure						
		Excavating, hydraulic excavator, truck mtd	55.56 cy	1.62 /cy	1.62 /cy	90	-	-
	0222.51	Excavating, trench						
		Excav trench,open mg,NO shtg&brcg,1'-4'	187.04 cy	7.00 /cy	7.00 /cy	1,309	-	-
		Excavating, bin sides and bottom for conc	390.00 sf	0.26 /sf	0.26 /sf	103	-	-
		Excavating, bin sides and bottom for conc	1,412.00 sf	0.26 /sf	0.26 /sf	367	-	-
	0222.62	Fill						
		Fill, gravel fill, compacted, under floor slab	5,400.00 sf	0.10 /sf	0.10 /sf	540	0.11 /sf	594
	0222.66	Hauling						
		Load and haul, 12 yd dump truck, 10 MI RT	16.00 cy	1.32 /cy	1.32 /cy	21	-	-
		Load and haul, 12 yd dump truck, 10 MI RT	88.89 cy	1.32 /cy	1.32 /cy	117	-	-
0250.00		PAVING AND SURFACING						
	0254.01	Bituminous concrete pavement						

For Help, press F1

RESOURCES

Savin will ensure that the Port Authority has all the resources necessary to successfully complete the work on time and within budget.

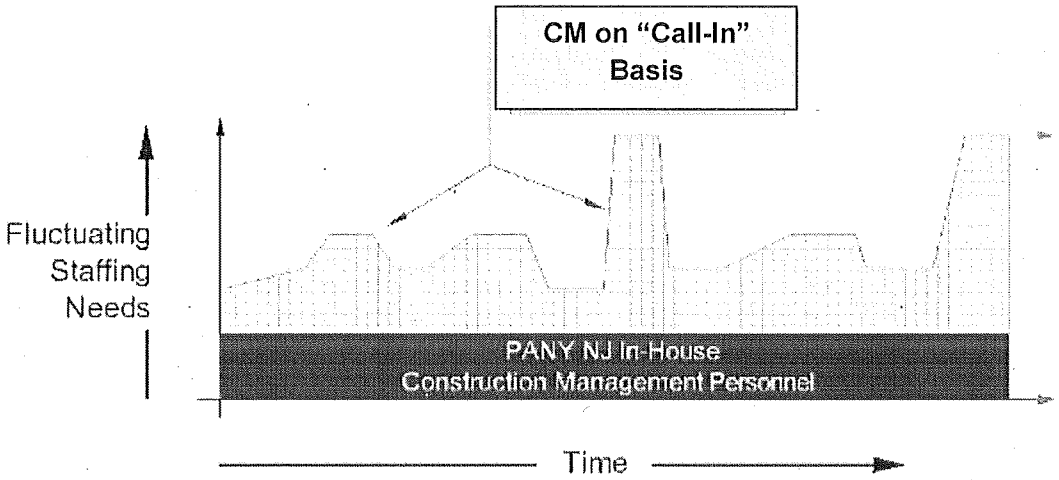




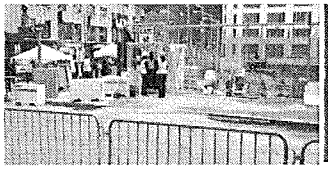
PROJECT UNDERSTANDING

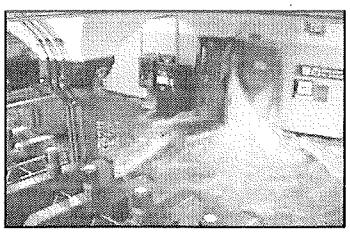
In order to supplement and support its in-house engineering and construction management staff on various capital projects, the Port Authority has developed professional construction management services on a "call-in" or as-needed type agreement. This means that if a Port Authority Engineer of Construction or Resident Engineer is in need of inspectors, administrators or cost estimators to augment in-house resources, he may request them under a "call-in" type agreement.

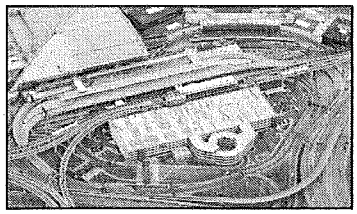
As delineated below, in order to be successful the consultant must have the ability to staff up (and down) to continually provide the Port Authority with access to the particular technical staff expertise it needs to help it efficiently and cost effectively manage the constantly changing project management workload.



For staff at Port Authority facilities, it is the consultant's role to provide the Port Authority with resumes of quality candidates, schedule interviews and set up the individual(s) at the respective site in as expeditious a manner as possible. It is also the consultant's role to ensure that field staff has the equipment and training required, that their direct rates are within the rates established in the contract, that they are monitored by the firm's Project Manager and that they adhere to Port Authority procedures.







For tasks performed at consultant offices or other specialty tasks such as scheduling or cost estimating, it is the role of the Consultant to assign staff to the task quickly, identify any additional information needed to perform the task and complete it proficiently. Savin has performed numerous such tasks for the Authority, as outlined below:

- Schedule Analysis of Howland Hook Marine Terminal Open Area Paving & Utilities Project.
- Cost estimating for the Jackson Avenue School near Teterboro Airport.
- Assistance with the Port Authority's "Lesson Learned Initiative" including reports for the following projects:
  - Lincoln Tunnel, LT-524
  - Red Garage, JFK-134.100B
  - Terminal B, EWR-434.070
- Claims assistance for the Hackensack River Lift Bridge Project. Assistance with Post Super Storm Sandy Cleanup at Exchange Place, Hoboken and World Trade Center PATH Stations.

PROJECT ORGANIZATION

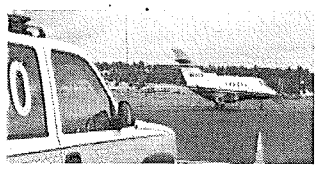
Having provided professional services in connection with several "call-in" type projects, including for the Port Authority, we have learned how best to structure ourselves so as to meet the needs of the project and the Port Authority's expectations. We believe that it is important to have a single point of contact between the Authority and the Savin team. For this project, this individual will be Hussein M. Elzoghby, P.E.

With over 29 years of experience, Mr. Elzoghby has been the project manager for nearly all of Savin's "call-in" type projects and all projects for the Port Authority. He will receive all Authority requests for services and manage the Team's extensive and growing pool of construction management staff to provide the most suitable candidates for tasks requiring staffing. For other tasks such as constructability/bid-ability reviews, scheduling or estimating, he will identify the most suitable

PROJECT ORGANIZATION

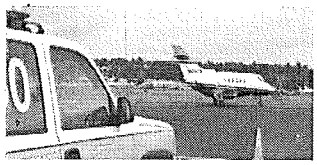
in-house staff member to perform the requested task in a timely fashion. He will follow up with the individual(s) requesting the task to ensure it was completed satisfactorily. He will be available to the Port Authority seven days a week, and 24 hours a day if necessary. In the event that he is out for an extended duration, a backup project manager will be designated. He has also been intimately involved in all of Savin's assignments including claims analyses, schedule analyses.

firm affiliates

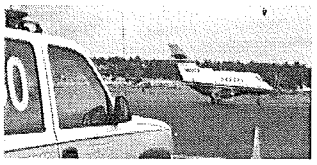


section H

Savin Engineers, P. C. has no affiliates.



There is no indication that Savin Engineers, P. C., any employee, agent or subcontractor has the possibility of, or the appearance of a conflict of interest.



Savin Engineers, P. C. currently takes no exception to the standard agreement and its terms and conditions. We did not make any changes in this standard agreement, nor restate any of its provisions in our proposal or supporting material.

www.savinengineers.com

914.769.3200

Pleasantville, NY

Plainview, NY

Bridgewater, NJ

Syracuse, NY

Rochester, NY

Baltimore, MD

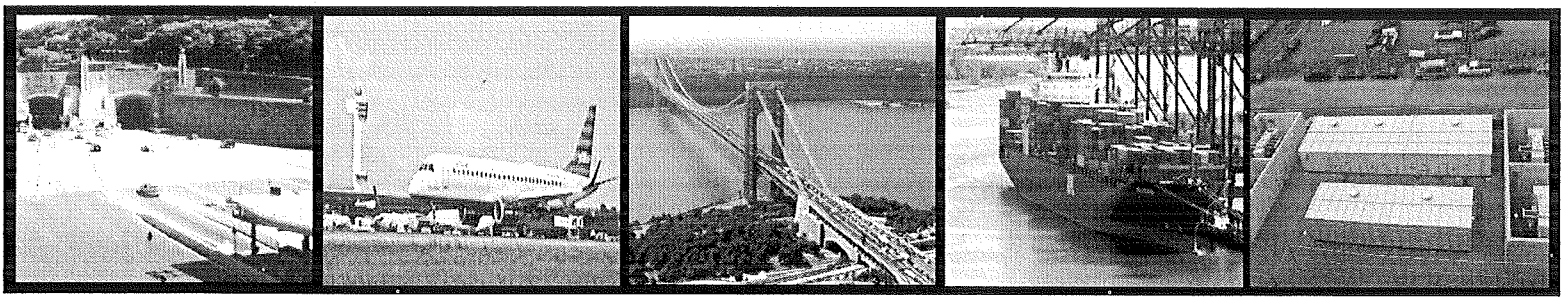
Washington, DC

Atlanta, GA

SAVIN

Savin Engineers, P.C.

"Improving Quality of Life"



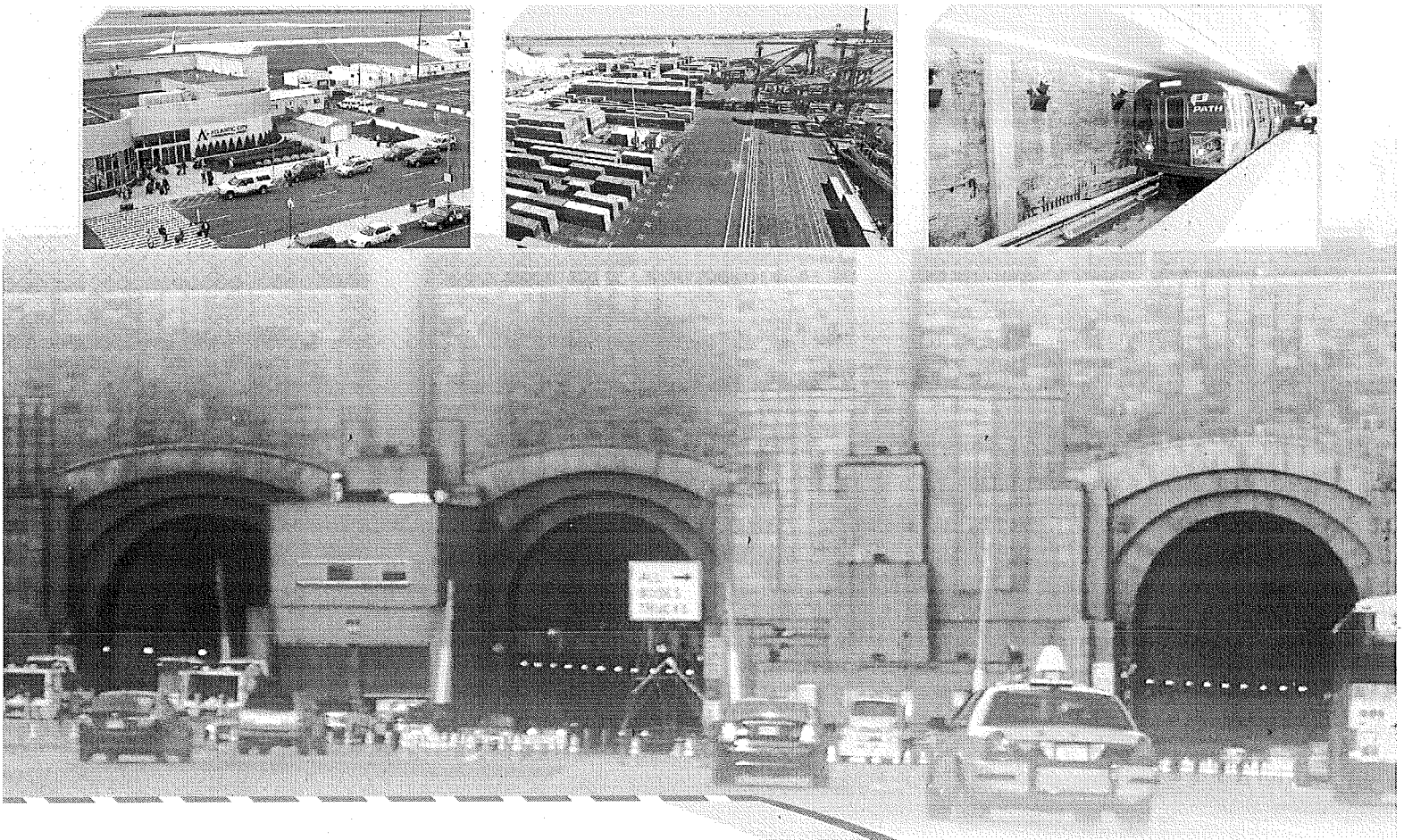
THE PORT AUTHORITY OF NY & NJ

Proposal for

Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

RFP #39247

September 2014



Submitted to:

THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

Submitted by:

PARSONS BRINCKERHOFF

ATTACHMENT B

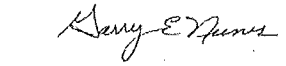
REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Parsons Brinckerhoff, Inc.
(Company)



(Signature)

National Director of Construction Services, Senior Vice President
(Title)

09/15/14
(Date)

ORIGINAL AND PHOTOCOPIES OF THIS PAGE ONLY.
DO NOT RETYPE.

ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):
   Parsons Brinckerhoff, Inc.

2. Business Address (to receive mail for this RFP):
   One Penn Plaza, New York, NY 10119

3. Business Telephone Number: (212) 465-5000

4. Business Fax Number: (212) 631-3895

5. Firm website: www.pbworld.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 10 / 05 / 1933

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):
   See Attachment 1.

9. Officer or Principal of Firm and Title:
   See Attachment 2.

10. Name, telephone number, and email address of contact for questions:
    Neil J. Lucey, Senior Vice President, Phone: (212) 465-5000, Email: lucey@pbworld.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes ☒ No

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

Attachment 1

Affiliates and Subsidiaries of Parsons Brinckerhoff, Inc.*

Company	Address	Relationship	EIN
Parsons Brinckerhoff Group LLC.	One Penn Plaza New York, NY 10119	Parent	
Parsons Brinckerhoff-FG, Inc.	506 Carnegie Center Blvd. 2nd Floor Princeton, NJ 08540	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
PB Constructors, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
PB Services Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
Parsons Brinckerhoff Advisory Services, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
Parsons Brinckerhoff Group Administration, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
ALLTECH, Inc.	465 Spring Park Place Herndon, VA 20170	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
PB Energy Storage Services Inc.	16285 Park Ten Place, Suite 400 Houston, TX 77084	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
Parsons Brinckerhoff International LLC.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
Parsons Brinckerhoff Michigan, Inc.	500 Griswold Street Detroit, MI 48226	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
Parsons Brinckerhoff Ohio, Inc.	2545 Farmers Drive, Suite 350 Columbus, OH 43235	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
PB Transit & Rail Systems, Inc.	Two Gateway Plaza Newark, NJ 07102	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
PB Booker Associates Inc.	One Penn Plaza New York, NY 10119	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
PB Facilities Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	
PB Power, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)	

Company	Address	Relationship	EIN
PB Architecture, Inc.	One Penn Plaza New York, NY 10119	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
Associated Engineers, Inc.	3311 E. Shelby St. Ontario, CA 91764	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
Keystone Environmental Planning, Inc.	One Penn Plaza New York, NY 10119	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	
PB Panama, S.A.	One Penn Plaza New York, NY 10119	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	N/A
Avid Engineering, Inc.	One Penn Plaza New York, NY 10119	Subsidiary (owned by Parsons Brinckerhoff, Inc.)	

*Effective October 27, 2009, Parsons Brinckerhoff Group Inc. and its subsidiaries were acquired by Balfour Beatty plc, a London based corporation. Parsons Brinckerhoff, Inc. continues to operate as a wholly owned subsidiary of Parsons Brinckerhoff Group Inc.

ATTACHMENT 2

PARSONS BRINCKERHOFF, INC.

OFFICERS AND DIRECTORS

Title	Name	Business Address*	Business Address Reference Number	Director
Chair	Michael J. Abrahams	NEW YORK, NY	(1)	X
President	Gregory A. Kelly	NEW YORK, NY	(1)	X
Executive Vice President	George J. Pierson	NEW YORK, NY	(1)	X
Senior Vice President	Lloyd Graham	NEW YORK, NY	(1)	X
Senior Vice President	Gary E. Griggs	SAN FRANCISCO, CA	(6)	X
Senior Vice President	Lisa G. Nungesser	AUSTIN, TX	(23)	X
Vice President	Scott L. Danielson	SAN FRANCISCO, CA	(6)	X
Vice President	James T. Ruddell	HERNDON, VA	(8)	X
Secretary	Lisa M. Palumbo	NEW YORK, NY	(1)	
Senior Vice President & Assistant Secretary	Hillary F. Jassey	NEW YORK, NY	(1)	
Vice President & Assistant Secretary	Cary M. Siegel	NEW YORK, NY	(1)	
Senior Vice President & Controller	Patrick G. Sheridan	NEW YORK, NY	(1)	
Vice President & Assistant Controller	Matthew J. Pirozzi	NEW YORK, NY	(1)	
Assistant Controller	Michelle M. Fischetti	NEW YORK, NY	(1)	
Assistant Controller	Tushar V. Hefa	NEW YORK, NY	(1)	
Treasurer	Matthew Bray	NEW YORK, NY	(1)	
Senior Vice President	Ronald H. Bixby	NEW YORK, NY	(1)	
Senior Vice President	Raymond J. Castelli	NEW YORK, NY	(1)	
Senior Vice President	Michael F. Fisher	NEW YORK, NY	(1)	
Senior Vice President	Judith Jones-Grinvalds	NEW YORK, NY	(1)	
Senior Vice President	Charles B. Kohler	NEW YORK, NY	(1)	
Senior Vice President	Neil J. Lucey	NEW YORK, NY	(1)	
Senior Vice President	Anita M. Macaluso	NEW YORK, NY	(1)	
Senior Vice President	David A. McAlister	NEW YORK, NY	(1)	
Senior Vice President	John F. Munro	NEW YORK, NY	(1)	
Senior Vice President	John A. Murphy	NEW YORK, NY	(1)	
Senior Vice President	Garry E. Nunes	NEW YORK, NY	(1)	
Senior Vice President	Salvatore R. Prestano	NEW YORK, NY	(1)	
Senior Vice President	Suzanne Puccino	NEW YORK, NY	(1)	
Senior Vice President	Norman Rhodes	NEW YORK, NY	(1)	
Senior Vice President	Robert A. Stromsted	NEW YORK, NY	(1)	
Senior Vice President	Keith R. Zecchini	NEW YORK, NY	(1)	
Vice President	Tracey Bessellieu	NEW YORK, NY	(1)	
Vice President	John R. Boule II	NEW YORK, NY	(1)	
Vice President	John S. Chow	NEW YORK, NY	(1)	
Vice President	Robert M. Donnelly	NEW YORK, NY	(1)	
Vice President	John J. Faeth	NEW YORK, NY	(1)	
Vice President	Thomas C. Farina	NEW YORK, NY	(1)	
Vice President	Franklyn R. Frazer	NEW YORK, NY	(1)	
Vice President	James W. Guinan	NEW YORK, NY	(1)	
Vice President	Eric M. Hagin	NEW YORK, NY	(1)	
Vice President	Charles Savorio Hall	NEW YORK, NY	(1)	

ATTACHMENT 2

PARSONS BRINCKERHOFF, INC.

OFFICERS AND DIRECTORS

Title	Name	Business Address*	Business Address Reference Number	Director
Vice President	Michael J. Kane	NEW YORK, NY	(1)	
Vice President	Rama L. Kanthan	NEW YORK, NY	(1)	
Vice President	Victoria C. Kelly	NEW YORK, NY	(1)	
Vice President	Christopher N. Kidd	NEW YORK, NY	(1)	
Vice President	Pascual Lorenzo	NEW YORK, NY	(1)	
Vice President	Dale T. Moeller	BUFFALO, NY	(56)	
Vice President	George Moglia, Jr.	NEW YORK, NY	(1)	
Vice President	Raymond J. Moore	NEW YORK, NY	(1)	
Vice President	Kian L. Moozar	NEW YORK, NY	(1)	
Vice President	Raymond M. Moran	NEW YORK, NY	(1)	
Vice President	Frank Pepe, Jr.	NEW YORK, NY	(1)	
Vice President	Stamatia Petsios	NEW YORK, NY	(1)	
Vice President	Thomas F. Peyton	NEW YORK, NY	(1)	
Vice President	Philip M. Rice	NEW YORK, NY	(1)	
Vice President	David C. Rose	NEW YORK, NY	(1)	
Vice President	Shoshana E. Rosenberg	NEW YORK, NY	(1)	
Vice President	Jesus Schabib	NEW YORK, NY	(12)	
Vice President	Lois A. Simon	NEW YORK, NY	(1)	
Vice President	Marc J. Smith	NEW YORK, NY	(1)	
Vice President	Peter O. Sucher	NEW YORK, NY	(1)	
Vice President	Eric C. Swensen	NEW YORK, NY	(1)	
Vice President	Joseph K. Tse	NEW YORK, NY	(1)	
Vice President	Mark J. Tytka	BUFFALO, NY	(56)	
Vice President	Judith H. Versenyi	NEW YORK, NY	(1)	
Vice President	Peter M. Wahl	NEW YORK, NY	(1)	
Vice President	Jaw-Nan Wang	NEW YORK, NY	(1)	
Vice President	Kathleen A. Wilson	NEW YORK, NY	(1)	

* Business Addresses

(1) One Penn Plaza, New York, NY 10119
(6) 303 Second Street, Suite 700 North, San Francisco, CA 94107-1317
(8) Spring Park Technology Center, 465 Spring Park Place, Herndon, VA 20170-5227
(12) 469 7th Avenue, New York, NY 10018
(23) 901 MoPac Expy South, Suite 595, Building Two, Austin, TX 78746-5748
(56) Waterfront Village Center, 50 Lakefront Blvd, Suite 111, Buffalo, NY 14202

C – Transmittal Letter

One Penn Plaza
New York, NY 10119
Main: 212.465.5000
Fax: 212.465.5096
www.pbworld.com

September 18, 2014

The Port Authority of New York and New Jersey
Two Montgomery Street, 3rd Floor
Jersey City, New Jersey 07302
Attention: RFP Custodian

RE: Proposal for the Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018

Parsons Brinckerhoff (PB) is pleased to present our proposal to The Port Authority of New York and New Jersey (Authority) to provide Expert Professional Construction Management and Related Technical Services on a "Call-in" basis during 2015-2018. PB is a world leader in the engineering, design and construction of public facilities. PB is recognized for providing exceptional professional construction management, program management and engineering services to federal, state and local agencies, as well as private enterprises. Our firm is proud of our extraordinary record of performance over the past 129 years of continuous service on some of the world's most challenging projects.

The following summary clearly demonstrates that PB and its team far exceed the minimum requirements established in the RFP.

A. Firm Experience

A1. PB, whose corporate headquarters office is located in the heart of New York City, also has principal offices in Newark and Lawrenceville, New Jersey. Our team members also have offices in the New York/New Jersey Metropolitan Area. The PB Team vastly exceeds the minimum staff requirements established in the RFP. The following table displays the locally available professional construction management and inspection resources of PB and our subconsultants.

	PB	Hirani/MTL	JCMS	LPE	ManTech	
Discipline	Number of Employees					Total
Construction Management	98	7	8	16	2	131
Construction Inspection	120	18	16	9	15	178

A2. PB's Certificate of Authorization to practice Professional Engineering is attached.

B. Staff Experience

B1. Our team is highly experienced in performing construction inspection services in all disciplines including, Civil, Structural, Electrical and Mechanical Engineering. The following is a small sampling of the skilled staff that fulfill the Authority technical certification requirements:

1. Engineers/architects licensed in the states of NY and/or NJ	2. ACI Concrete Construction Special Inspectors	3. ICC Certified Structural Steel and Bolting Inspectors	4. NACE Level 1 Coatings Certified
R. Moran, PE	S. Latus	W. Jaramillo	I.Parbhunath, NACE
G. Colban, PE	W. Grooms	S. Parajuli	J. Marecki, NACE
T. Marko, PE	G. Atsalis	H. Kim	G. Castro, PE, NACE
M. Markowitz, PE	M. Kashif Syed	D. Upadhyaya	
J. Prokop, PE	M. Neil	M. Ninnisai	
P. Pan, PE	D. Ridulfo	L. Ford	
R. Antonios, PE	M. Petrescu	M. Neil	
G. Castro, PE	O. Olatunbosun	D. Ridulfo	
M. Perez, PE	W. Jaramillo	R. Stribling	
A. Zajac, PE	D. Guilas		
M. Hanna, PE	N. Chintanippu		
I. Parbhunath, PE	W. Castaneda		
L. Ford, PE	S. Pereira		
Y. Huang, PE	M. Pantke		
J. Higgins, PE	I. Barnett		
S. Latus, PE			

Having served the Authority under these same terms continuously for the past 10 years, we are confident that the PB team is ideally suited to manage this call-in agreement. We look forward to the opportunity to continue to serve the Authority in the years 2015 thru 2018. As the Parsons Brinckerhoff National Director of Construction Services, I offer my personal commitment that we will deliver the resources, technical expertise and management skill that is needed to make every task assignment an unconditional success.

If you have any questions or require any additional information, please do not hesitate to contact me at 212-465-5127 or at NunesG@pbworld.com.

Sincerely,
PARSONS BRINCKERHOFF, INC.

Garry E. Nunes
National Director of Construction Services
Senior Vice President

THE UNIVERSITY OF THE STATE OF NEW YORK
EDUCATION DEPARTMENT

THIS IS TO CERTIFY THAT HAVING MET THE REQUIREMENTS OF SECTION 7210 OF THE EDUCATION LAW AND IN ACCORDANCE THEREWITH THIS CERTIFICATE OF AUTHORIZATION IS GRANTED WHICH ENTITLES

PARSONS BRINCKERHOFF INC
ATTN: KATE CICHY
TWO GATEWAY PLAZA
18TH FLOOR
NEWARK, NJ 07102-0000

TO PROVIDE PROFESSIONAL ENGINEERING SERVICES IN THE STATE OF NEW YORK FOR THE PERIOD 01/01/2012 TO 12/31/2014.

DOUGLAS E LENTIVECH
DEPUTY COMMISSIONER
FOR THE PROFESSIONS

JOHN B KING JR
PRESIDENT OF THE UNIVERSITY
AND COMMISSIONER OF EDUCATION

CERTIFICATE NUMBER
0008926 DUPLICATE

State of New Jersey

Division of Consumer Affairs

State Board of Professional Engineers and Land Surveyors

THIS CERTIFIES THAT

PARSONS BRINCKERHOFF, INC.
4139 OREGON PIKE
ATTN: STEPHANIE BENDER
Ephrata PA 17522

Has met the requirements of the State Board of Professional Engineers and Land Surveyors and is hereby issued a

CERTIFICATE OF AUTHORIZATION

to offer the following services

Engineering 08/09/2002

Person in Responsible Charge GREGORY A KELLY

For the names of other Responsible Charge Licensees, go to: http://www.njconsumeraffairs.com/pels/certrpt.pdf

Date: September 8, 2014
Certificate No. 24GA28029800
Expiration Date: 08/31/2016

Executive Director

D. Multipliers

The PB proposed multiplier for this agreement is 2.22, which is comprised of the following:

Component of Multiplier	2013 Audited OH Rate	Agreement Proposed Rate
Fringe Benefits on Direct Labor • Payroll Taxes • Group Insurance and Workers' Compensation • Fringe Salaries • Other Employee Benefits	34.27%	34.27%
General Overhead Expenses • Office rent • Indirect Salaries • Other insurances and taxes • Other items of overhead	76.89%	67.5%
Profit	10%	10%
Total Multiplier	2.32	2.22

The PB most current supporting overhead schedules for Audit Year 2013 are attached.

Supporting documentation for multiplier calculation and overhead rate schedules for our subconsultants are also attached.

JCMS, Inc.

Statement of General & Administrative Expenses
Fringe Benefits and Direct Labor
For the Year Ending December 31, 2013

Expense Item'Description	Total Expense	FIELD	OFFICE	Unallowable	
Salaries & Wages					
Direct Labor	$4,988,742.48	$4,623,089.65	$365,652.83		
FRINGE BENEFITS					
Sick, Holiday & Vacation Pay	$624,923.54				
Payroll Taxes	$587,759.22				
Health Insurance & Benefits	$1,259,798.36				
TOTAL	$2,472,481.12	$2,291,259.15	$181,221.97		
FRINGE RATE	49.56%	49.56%	49.56%		
OVERHEAD					
Admin Salaries - Overhead	$1,910,806.85	$1,777,050.37	$133,756.48		
Accounting	$22,634.08	$19,238.97	$3,395.11		
Advertising	$5,182.70	$4,405.30	$777.41		
Amortization	$681.00	$578.85	$102.15		
Auto Expense	$36,865.05	$21,984.32	$3,879.59	$11,001.15	(F)
Bank Charges	$437.77	$372.10	$65.67		
Billable Expenses	$29,591.73	$0.00	$0.00	$29,591.73	(B)
Conferences, Meetings	$23,390.21	$19,881.68	$3,508.53		
Consultant Fees	$36,013.85	$0.00	$0.00	$36,013.85	(B)
Contributions	$2,400.00	$0.00	$0.00	$2,400.00	(A)
Depreciation Expenses	$35,845.00	$30,468.25	$5,376.75		
Dues and Subscriptions	$14,368.36	$12,213.11	$2,155.25		
Employee Education	$3,000.00	$2,550.00	$450.00		
Insurance - Officers Life	$40,510.53	$0.00	$0.00	$40,510.53	(D)
Insurance - Workman's Comp	$35,197.08	$29,917.52	$5,279.56		
Insurance - Liability-Umbrella	$22,378.00	$19,021.30	$3,356.70		
Legal-Immigration etc.	$91,707.99	$77,951.79	$13,756.20		
Lease - Equipment	$6,613.38	$5,621.37	$992.01		
Office Expenses	$218,053.11	$180,984.08	$37,069.03		
Postage	$5,777.37	$4,910.76	$866.61		
Rent	$245,052.52	$117,169.95	$20,677.05	$107,205.52	(E)
Repairs & Maintenance	$14,145.00	$12,023.25	$2,121.75		
Supplies	$7,471.71	$6,350.95	$1,120.76		
Taxes Property	$35,357.12	$30,053.55	$5,303.57		
CorporateTaxes	$121,309.98	$107,965.88	$13,344.10		
Travel	$52,370.03	$44,514.53	$7,855.50		
Utilities	$119,494.05	$101,569.94	$17,924.11		
Interest	$0.00	$0.00	$0.00	$0.00	(C)
Un-Alloawable Expenses	$444,695.00	$0.00	$0.00	$444,695.00	(G)
TOTAL OVERHEAD COSTS	$3,581,349.47	$2,626,797.82	$283,133.87	$671,417.78	
TOTAL DIRECT, FRINGE AND OVERHEAD	$11,042,573.07	$9,541,146.62	$830,008.66	$671,417.78	
OVERHEAD RATE	71.79%	56.82%	77.43%		
TOTAL OVERHEAD RATE	121.35%	106.38%	126.99%		

(A) Exclude per FAR 31.205-8
(B) Exclude per FAR 31.202
(C) Exclude per FAR 31.205-10
(D) Exclude per FAR 31.205-20
(E) Exclude per FAR 31.205-36
(F) Exclude per FAR 31.205-46
(G) Exclude per FAR 31.201-6

Billy F Del Vecchio CPA
8/27/2014

LPE Enterprises, Ltd.

Details for Fringe Benefits and Overhead

Fringe Benefits

Payroll Taxes	11.1%
Vacation, Holidays, Sick Leave	20.4%
Group Insurance	11.2%
Profit Sharing/Retirement Plan	6.2%
	48.9%

General Overhead

Technical Salaries - Non Project	7.0%
G & A Salaries	16.5%
Business Taxes	6.5%
Legal & Accounting	1.0%
Rent, Office Expense & Maintenance	3.2%
Telephone & Utilities	0.4%
Auto, Truck & Airplane Exp.	0.4%
Business Insurance	1.9%
Civic Contributions	0.1%
Meals & Entertainment	0.1%
	37.1%

Total (Overheads as a Percentage)	86.0%
Direct Labor	100.0%
Total (Overheads as a Multiplier)	1.86
Total Multiplier Including Profit @ 10%	2.05

ManTech
International Corporation

ManTech Advanced Systems International Inc.
12015 Lee Jackson Highway
Fairfax, Virginia 22033-3300

P-20763
17 September 2014

Parsons Brinckerhoff
One Penn Plaza
New York, NY 10119

Attention: Ms. Krista A. Miller, Marketing Coordinator

Subject: Disclosure of Proprietary Information

Reference: RFP Number 39247

Dear Ms. Miller:

After careful consideration, ManTech Advanced Systems International, Inc. (ManTech) has deemed no escalation necessary to the multiplier and proposes the same 2.15 Multiplier for this proposal period. Parson Brinckerhoff has requested that ManTech provide our approved indirect financial information, which ManTech considers this information to be of a sensitive and proprietary nature and will not be able to release to PB. ManTech is willing to provide this proprietary financial information directly to the Government upon written request. The Government can contact the undersigned at (703) 814-4302 or via email at Virgina.Manning@ManTech.com or Ms. Mary Pat Pope at (301) 862-7415 or via email at MaryPat.Pope@ManTech.com.

Sincerely,

MANTECH ADVANCED SYSTEMS INTERNATIONAL, INC.

Virginia Manning
Contracts Supervisor

E. Resumes

Parsons Brinckerhoff has assembled a team of experienced construction management and inspection specialists, cost estimators, schedulers, and contract administrators to provide ample resources to meet the staffing requirements outlined in the Request for Proposals. With more than 1,200 staff located in the New York/New Jersey metropolitan area, we are able to respond quickly to task-order requests, mobilize rapidly when assigned to a specific task, and provide expedited services to satisfy Port Authority objectives for any task assignment. Please see the organization chart on the following page.

THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

Principal In Charge
Garry Nunes

Project Manager
Gerry Chi

QA/QC
Ray Crawford

Resident Engineers
Ray Moran, PE
George Colban, PE
Thomas Marko, PE
Mourad Hanna, PE
Michael Markowitz, PE
Jaroslav Prokop, PE
Peter Pan, PE
Rock Antonios, PE
Giovanni Castro, PE, NACE
Martin Tagliaferro
Alexander Zajac, PE (H/MT)
Rainer Burger (M)

Office Engineers
Maximo Perez, PE
Rajesh Kissoon
Albert Hinaia

Schedulers
Dominick DeNicolo
Gary Simmons
Murali Nambiar (J)

Estimators
Ian Fisher
Ketul Gandhi (J)
Kevin Meehan (J)

Inspectors
Indardeo Parbhunath, PE, NACE
Jose Castro
Daniel Lochard, EIT
Alan Weddell
James Conroy
Sherry Samuel
Bashir Ahmad
David Bell
Arkady Livshatz
John Marecki, NACE
William Grooms, ACI (J)
George Atsalis, ACI (J)
Muhammad Syed, ACI (J)
Dipak Upadhyaya, ICC (H/MT)
Michael Ninnisai, PE, ICC (H/MT)
Laurence Ford, PE, ICC (H/MT)
Yan Huang, PE (H/MT)
William Castaneda, ACI (H/MT)
Nikhil Chintanippu, ACI (H/MT)
Wilmar Jaramillo, ACI (H/MT)
Danilo Guilas, ACI (H/MT)
Ho Won Kim, ICC (H/MT)
Michael Neil, ACI, ICC (H/MT)
Olusola Olatunbosun, ACI (H/MT)
Mark Pantke, ACI (H/MT)
Sanjaya Parajuli, ICC (H/MT)
John Higgins, PE (H/MT)
Stanford Pereira, ACI (H/MT)
Mircea Petrescu, ACI (H/MT)
Stephen Latus, PE, ACI (H/MT)
Daniel Ridulfo, ACI, ICC (H/MT)
Ian Barnett, ACI (L)
Ronald Stribling, ICC (L)
Jose Cernadas (L)
Alan Bright (M)
Richard Eisold (M)

Legend

L – LPE Enterprises
J – JCMS
H/MT – Hirani/Municipal Testing
M – ManTech International Group

Gerry Chi
Project Manager

Gerry Chi has extensive experience in planning, design, management, operations and maintenance, and condition auditing of physical plants for transit maintenance facilities, bridges and tunnels, educational facilities, commercial buildings, industrial facilities, power facilities, and municipal properties. Gerry has served as project executive, project manager, deputy project manager, and discipline leader for a number of construction management/inspection on-call, as-needed services contracts for agencies throughout the New York/New Jersey metropolitan area, including the Port Authority, New York State Office of General Services, and New York City Transit, among others. He has a proven record of managing projects, supervising multidisciplinary operations and completing projects under budget and within schedule and scope. He has performed design and construction management for these facilities as well as comprehensive management, staffing, and workflow analysis for maintenance operation and capital improvement programs. His knowledge of design and construction of mechanical, architectural, civil/structural, electrical, and environmental systems provides a broad base of experience that he will apply to all task-orders assigned to the Parsons Brinckerhoff Team under the Federally Funded Storm Resiliency contract.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 28

Education: M.S., Industrial and Operation Management, University of Michigan, 1986; M.S., Mechanical Engineering, University of Michigan, 1985; B.S., Mechanical Engineering, Fung Chia University, Taiwan, 1982

Professional Affiliations:

American Society of Mechanical Engineers; International Society for Pharmaceutical Engineering, Construction Management Association of America

Port Authority of New York and New Jersey (PANYNJ) CM Call-In Services Contract, New York/New Jersey: project manager responsible for assessing task-order requirements and assigning construction managers and inspectors to work with Port Authority staff on projects for rehabilitation, renovation and construction of the Port Authority's rail, aviation, bus, and tunnel and bridge facilities. Gerry manages the Parsons Brinckerhoff Team's staff that provides management, inspection and contract administration of civil, structural, mechanical, and electrical construction activities at the Authority's facilities.

New York State Office of General Services (NYS OGS) Construction Management Program, New York: on three consecutive task-order contracts for the OGS, Gerry has served as downstate manager for coordinating task-order requirements with OGS, assigning staff to meet task-order project requirements, and managing the performance and activities of all task-order teams. He coordinates with OGS managers to ensure that capable staffs are assigned to the needed projects and manages them to ensure performance to OGS expectations.

New York City School Construction Authority (SCA), New York City: project executive for supplying and managing project officers and staff to work with the SCA on task-order projects for construction management and inspection of new construction and rehabilitation of schools and support facilities as part of the Department of Education's capital improvement program. Gerry

has managed teams on three consecutive 3-year task-order contracts with the SCA, which has involved assigning more than 60 construction managers to school construction projects in all five boroughs.

General Service Administration (GSA) Region 2 Construction Quality Management Services, Northeast United States: project executive for this task-order contract with GSA, which involved construction/renovation of spaces for the Department of Homeland Security in various locations in the New York City area and space alterations projects at 26 Federal Plaza, the FBI Building in Newark, and other projects in New York City, New Jersey, and other cities throughout the Northeast.

Port Authority Trans Hudson (PATH) Main Repair Facility, Harrison, New Jersey: deputy project manager responsible for the development of the maintenance concept, maintenance routine, report scheme, master equipment list and spare parts concept for this new transit vehicle repair and maintenance facility. Mr. Chi also assisted in the development of a plan for routine and overhaul maintenance.

Port Authority Staten Island Bridges Physical Plan Investment Plan, New York City: project manager responsible for condition assessment survey; financial analysis; and development of cost estimates, maintenance management plan, and implementation plan for three crossings and support facilities in Staten Island. This plan is the first step toward asset management, which is the foundation of sound investment planning.

New York City Transit Electronic Security System (ESS) Program, New York: serves as task-order manager under CM-1409 for construction management services for the installation of security monitoring equipment at NYCT's 51st Street/Lexington Avenue and 74th Street/Roosevelt Avenue subway stations.

City University of New York (CUNY) Condition Assessment Project, New York: project manager responsible for condition assessment survey, cost estimates, probable cause and solution analysis, and preparation of reports for 49 educational facilities on two campuses and utilities on five campuses totalling 3.6 million square feet. The project involved structural, mechanical, and electrical disciplines.

Garry Nunes
Principal-In-Charge

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 40

Education: B.S., Civil Engineering, Worcester Polytechnic Institute

Garry Nunes has four decades of proven successful experience in the construction industry. He is a Senior Vice President of Parsons Brinckerhoff and the firm's National Director of Construction Services. In this role, he has served as Project Executive and Principal-in-Charge on numerous construction management projects, including the firm's largest construction services projects in the New York City area – Second Avenue Subway, Fulton Street Transit Center, New Jersey Turnpike Widening, and the Water Siphon Replacement Project to name just a few. He has an extensive track record of success in providing program management, construction management, resident engineering, inspection and related construction services to federal, state and local agencies as well as private business clients. Garry will ensure that our Project Manager Gerry Chi has all the resources necessary to successfully meet all task-order project requirements and will meet periodically with Port Authority management to assess the Parsons Brinckerhoff team's performance.

Port Authority Trans-Hudson (PATH) Main Repair Facility, PANYNJ: as construction manager, responsible for providing construction management services to the PANYNJ for construction of PATH's $205 million Main Repair Facility and Yard. The 207,000-square-foot (19,231-square-meter), state-of-the-art maintenance facility and yard equipped PATH with complete inspection, maintenance, overhaul and storage capabilities for its entire fleet of 450 passenger and work rail cars. Mr. Nunes supervised the field construction staff of 30 engineers and supervisors responsible for project management, resident engineering, office engineering, contracts administration, planning, scheduling, cost-control, claims mitigation and construction inspection. He successfully integrated the work of seven prime construction contractors and multiple subcontractors, through detailed construction staging on a fast-track construction schedule. The project was completed on time and below the original budget.

Various Projects, New York/New Jersey: Garry has served in increasingly responsible management positions where he has managed the firm's staff responsible for providing construction management, resident engineering, construction inspection, and other related services on numerous projects. He also served in similar roles with other firms prior to joining Parsons Brinckerhoff. Projects have involved highways, bridges, tunnels, airports, rail facilities, schools, higher education facilities, psychiatric centers, correctional facilities, hospitals and other facilities. Representative major projects, for which he has served as principal in charge include:

- Second Avenue Subway – Phase I, New York City
- World Trade Center Transportation Hub and Site Projects, New York City
- Fulton Street Transit Center , New York City

- Triborough Bridge Randalls Island and Wards Island Viaduct Rehabilitation, New York City
- Brooklyn Queens Expressway Reconstruction , Brooklyn/Queens, New York
- Water Siphon Replacement Project, Brooklyn/Staten Island, New York
- NYCT Atlantic Avenue Terminal, Brooklyn, New York
- Roslyn Viaduct Replacement , Nassau County, New York
- NJ Turnpike Widening, Interchanges 6-9, New Jersey
- Newark Liberty International Airport CM Services, New Jersey
- Jersey City Abbott Schools PM/CM, New Jersey
- Route 52 Reconstruction , New Jersey
- Driscoll Bridge Deck Replacement, New Jersey
- Morrisville Yard Expansion and Wheel Truing Facility, Morrisville, PA
- Southern Bridges Widening, New Jersey

Ray Moran, PE
Resident Engineer

Ray Moran is an experienced professional engineer/project manager at Parsons Brinckerhoff with a background in mechanical and civil engineering as well as construction management. His responsibilities include managing a staff of engineers and technicians, performing constructability and design review, implementing field design changes, performing inspection, performing claims defense, negotiating change orders, processing and approving contractor pay requests, project close-out, monthly status reports, procurement management, invoicing, and proofing of mechanical and civil plans.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 19

Education: Ph.D. Candidate, Civil Engineering and Engineering Management, Columbia University, expected 2014; M.S., Civil Engineering & Engineering Management, Columbia University; B.S., Mechanical Engineering, Columbia University

Professional Licenses:

New York, 2004 (#[redacted];
New Jersey, 2005 ([redacted])

Third Avenue Bridge Reconstruction, New York City: project manager and resident engineer in charge of swing span acceptance testing/commissioning for the new Third Avenue Bridge and completion of all contract work with a staff of up to 15 employees. Onsite activities included six stages of work for the flanking spans, a temporary bridge, new rest piers and center pivot pier, reconstruction of the ramps on both sides of the bridge, control house, installation of submarine cable in the Harlem River for control and power, and a number of other amenities. In addition, he supervised the installation of 6-foot drilled shafts, 2-foot pipe piles and H-piles. He coordinated technical RFIs among the contractor, designer, resident engineering staff and client, negotiated and processed contract change orders, and verified and approved monthly payment requisitions. This project required coordination with various agencies including NYCDOT, NYSDOT, NYCDEP, NYSDEC, U.S. Army Corps of Engineers, U.S. Coast Guard, Con Edison, Verizon, CSX Railroad and OCMC. Ray has also been instrumental in successfully defending NYCDOT in claims made by the contractor through the dispute resolution process.

New Jersey Turnpike Widening Program Exits 6 Through 9, New Jersey: Parsons Brinckerhoff's project manager and a lead constructability reviewer on this project. The New Jersey Turnpike Authority (NJTA) has planned a $2.7 billion program to widen the existing New Jersey turnpike to 12 lanes from the existing 6 and 10 lane configurations. The project consists of over 35 miles (56 kilometers) of widened highway with 3 complex interchanges and 28 bridges over the turnpike. As constructability consultant, Ray reviewed the project estimate and schedule, developed contract packages, performed high level constructability reviews, and assessed the construction contractor and SBE capabilities within the state.

I-287 Viaduct Replacements, Westchester County, New York: Ray served as senior civil and structural inspector for the replacement of the Saw Mill River and Bronx River viaducts and associated approach roadways. Ray provided inspection for all elements of the project including erection and tensioning of precast concrete deck panels on steel tub girders mounted on post

tensioned precast concrete piers. Ray also assisted with the field office engineering, scheduling, and estimating. These 8-lane viaducts, part of the Cross Westchester Expressway, were demolished and replaced due to the demand for enhanced vehicular capacity and safety. The project also consisted of removed old foundation elements that conflict with the new, mainline approach modifications, enhancement of several access ramps, construction of a bike trail and an adjacent parking facility, and construction of noise barriers and retaining walls. The contract incorporated A+B bidding and lane rental charges. Much of the work was performed at night and all work was accomplished under active traffic.

Stamford Rail Yard, Stamford, Connecticut: office engineer responsible for $33 million rehabilitation of an existing Metro-North rail yard and project close out. This project included the removal and/or realignment of the existing catenary and tracks, as well as addition of new tracks and catenary on a 13-acre site, remediation of soils containing PCB's and hydrocarbon wastes, and construction of a new 57,000-square-foot rail equipment maintenance facility. All work was performed while keeping the rail yard in operation to minimize impact on Metro-North. He prepared monthly contractor estimates and compiled construction orders for all contract revisions. He prepared final close-out documents and submitted a final construction report. He maintained various field information and project logs as well as tracked item payments, subcontractors, trainees and equipment according to state and federal auditors. Ray compiled packages for state approval, helped estimate extra work items, prepared progress meeting minutes and assisted on plans and specifications interpretation. He also compiled delivery ticket totals for tracking and payment of bituminous as well as reviewed inspector reports and created invoices from work monitored by the consultant.

Ben Sawyer Bridge Reconstruction, South Carolina: off-site resident engineer in charge of the fabrication of all swing span mechanical, electrical and structural steel components on this $30 million movable bridge replacement for SCDOT. The design-build contractor is currently in the shop drawing phase and he is providing review and comments on the submittals. This fast tracked project is scheduled to complete the replacement of the swing span and approached within 12 months. Fabrication is the critical long lead time activity for successful completion of this vital project.

George Colban, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 38

Education: B.S., Electrical Engineering, Northeastern University, Boston, Massachusetts, 1972

Additional Studies: Engineering Project Management; Construction Law; Defending Contract Claims; Presentation Skills; Federal Transit Administration Project Manager Workshop; Occupational Safety and Health Administration Safety Training

Professional Licenses:

Professional Engineer: New Jersey, 1992 [redacted]; New York, 1988 ([redacted]

George Colban has nearly four decades of experience in engineering, management, and construction in the transportation, infrastructure, and power industries. His diverse background has included positions and responsibilities in executive management, program/project management, construction management, engineering, and marketing/business development. He possesses technical expertise and sound judgment, and has developed client relationships based on trust and integrity, established through timely and cost-effective project execution as well as an understanding of clients' needs in both the public and private sectors. He is experienced in management of multiyear capital programs and monitoring program scopes, budgets and schedules with the goal of advancing the client's objectives and priorities. George is effective in assessing staff requirements and capabilities, managing workload and providing support as necessary. He is also familiar with the political arena that shapes the transportation industry and has particular expertise in the New York Tri-state region.

Port Authority Security Program Management Services on an On-Call Basis, New York and New Jersey: project executive providing expert professional program management services for the Port Authority's 5-year, $500M Security Capital Program. Working directly with Authority personnel, he is responsible for all consultant activity as well as managing, coordinating, scheduling and monitoring the design, systems integration and construction phases of the agency's 2003-2007 Security Capital Program. Program elements include asset strengthening at Port Authority facilities including airports, bridges, tunnels, marine terminals and transit rail; operations and Security Command and Communications centers, intercommunication and public address systems; multi-technology access credentials and integrated CCTV; and integrated perimeter security, including fencing, barriers, detection, deterrent/notification/apprehension assistance technologies. He is also in charge of developing and implementing project procedures and control systems to allow PANYNJ managers to advance the Security Program forward in a coordinated fashion.

AirTrain JFK, New York: deputy project manager responsible for the engineering management for the $400M rehabilitation of LIRR's Jamaica Station and the intermodal aspects of the AirTrain Jamaica Station with connections to the LIRR, NYCT Sutphin Blvd. Station, and MTA and local bus routes. His responsibilities included the management of design preparation and engineering support for Jamaica Station construction encompassing all engineering disciplines and LIRR systems. These systems included electrical distribution, lighting, fire protection, CCTV-security, public address, Solari message boards, LIRR TVMs, elevators/ escalators, telephone and

communications. In this role George was the liaison between Port Authority engineering, LIRR, NYCT and the contractor to ensure that design reflected the requirements of the LIRR, NYCT and local community groups. He was involved in daily interaction with LIRR operating personnel to facilitate force account activities and systems design.

Metro-North Railroad (MNR) - Capital Engineering, New York: assistant director of construction management and project manager responsible for the execution, monitoring, and control of over $400 million in capital construction projects undertaken by MNR. He managed all administrative and technical functions associated with directing a staff of 25 MNR construction professionals as well as consultant personnel, who monitored contractor performance and safety and quality programs. George was also involved in all construction activities, including schedule control, claim review and negotiation, compliance with specifications, and constructability reviews, including value engineering. He interfaced extensively with MNR operating personnel developing force account budgets, schedules and monitoring performance against project scope.

Various Projects, New York City: office manager responsible for managing a staff of 18 senior professionals directly responsible to the MTA Board for oversight of the $15 billion MTA capital improvement program. As an independent engineering consultant, he provided technical reports to the board and monitored the management and execution of the program and capital projects by the five operating entities of the MTA. Typical assignments included:

Revitalization of Grand Central Terminal: provided project oversight early on in this project. George reviewed the management structure and made recommendations that were instrumental in refocusing and redefining the contractual relationships of the involved parties.

East Side Access: during the initial stages of this project, George, as a member of the oversight team, assisted in organizing and developing a framework for the project, as well as in defining specific organizational responsibilities and lines of authority.

Development of Scoping Guidelines: directed the implementation of guidelines at each of the MTA agencies in order to improve project definition and assess project risk during the conceptual stages. This resulted in more defined project scopes and more definitive budget projection for the MTA capital program.

- NYCT 63rd Street Connection, Canarsie Line Communications Based Train Control, and Automatic Train Supervision for NYCT; North End Access and Station Rehabilitation for Metro-North Railroad (MNR); and Rehabilitation of the Triborough Bridge and Queens Midtown Tunnel.

Thomas Marko, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 40

Education: M.S.C.E., New Jersey Institute of Technology, 1981; B.S.C.E., Newark College of Engineering, 1974

Professional Licenses/Certificates:

Professional Engineer: New York, 1988 ([redacted]) New Jersey, 1980 [redacted]

OSHA 30-Hour Safety Certificate

Tom Marko has acquired a broad base of high quality experience in project management and control of transit, bridge, health care facility, industrial, and commercial, projects. During his career, he has been responsible for project delivery from inception through completion and has served in the capacities of resident engineer, senior resident engineer, construction manager and project manager on construction management assignments including: railroad electrification, industrial facilities, bridges, health care facilities, education facilities and commercial buildings. He is particularly skilled in the management of multiple prime contracts, with all assignments completed on time and within budget. Tom is experienced in coordinating projects with various state and federal agencies as well as with private clients, other consultants, contractors and financial institutions. He has managed an area design office with assignments in the design of industrial, traction power and commercial facilities.

Hamilton Township Transit Complex, New Jersey: resident engineer for development of a state-of-the-art rail station along Amtrak's Northeast Corridor between Trenton and Princeton, and a 130,000-square-foot bus storage and maintenance facility. The aggressive schedule proposed for this project by NJ TRANSIT was facilitated by a two-phase approach to construction with the rail and bus portions issued as separate work orders to a common general construction contractor. Tom managed the rail portion of the project from notice to proceed and has assisted with the construction management of the bus portion, particularly in the areas of mechanical and electrical systems installation. His project responsibilities included: schedule review, change order evaluation and negotiation, coordination of the shop drawing review process, inspection of completed work, and Amtrak force account participation. The completed project provides direct service to New York for over 1,000 passengers per hour with public parking for over 1,700 cars.

Morrisville Yard Improvements – Phase II, Morrisville, Pennsylvania: construction manager for complete construction management services for the expansion of the Morrisville Yard facility under Phase 2 of a three phase program. The $97 million in improvements will provide storage for 250 rail commuter cars as well as service and inspection facilities and wheel truing capabilities at the west end of the NJT Northeast Corridor (NEC) service area and will provide the capacity to improve and consolidate storage and running repair functions now served at two different locations, as well as provide adequate capacity to accommodate immediate and long-term service growth on the NEC and Atlantic City lines.

Newark School Reconstruction, Newark, New Jersey: Tom served as project manager for the rehabilitation and modernization program at the Newark school district's grammar, middle and

high schools. Services included project management services, oversight, direction, coordination and reporting on projects undertaken by the New Jersey School Construction Corporation (NJSCC) for the Newark Public Schools. The assignment involved significant mechanical/electrical/plumbing retrofit work with complete replacement of fire alarm systems and emergency generators at several of the schools. Work included the construction of 20 new elementary schools, additions/alterations to 6 existing elementary schools, construction of 15 new elementary/middle schools, additions/alterations to 8 elementary/middle schools, construction of 5 new middle schools, additions/alterations to 4 existing middle schools, construction of 3 new high schools, additions/ alterations to 9 existing high schools, and additions/alterations to 2 existing special education schools.

Meadows Maintenance Complex, Kearny, New Jersey: construction manager, later project manager, responsible for construction management of a new $150 million rail-car maintenance facility designed to accommodate 1,000 vehicles on an 80-acre site. Overall project included the construction of eight primary buildings, development of a 77-acre tract, including electrification of layover yards at two voltages, and construction of an 800-foot railroad bridge over active PATH and Conrail tracks. Tom had complete responsibility for a field staff of 20, including 3 resident engineers and 12 professional/technical employees assigned to 8 construction contracts and 14 major equipment supply/installation contracts. He supervised construction and determined contract compliance including: engineered fills, pile foundations, general building construction, building mechanical and electrical systems, finish trades, electric traction, site electrical and primary distribution, site utilities, roadways, and access bridges. Tom proposed/implemented several innovative solutions for coordination problems brought on by accelerated owner occupancy requirements. He scheduled and coordinated $7.5 million of railroad force account work for the construction of 15 track-miles (24 track-kilometers) of yard and running track. Tom led the project from groundbreaking through owner acceptance.

Mourad Hanna, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 25

Education: B.S., Civil Engineering, Alexandria University, Alexandria, Egypt, 1982

Professional Licenses:

Professional Engineer: New York, 2004 ([redacted]); Delaware, 1997 [redacted]

Mourad Hanna has extensive experience in construction inspection with an emphasis on transit and bridge construction. He has proven communications and people skills with the ability to interface with clients, contractors, architects, builders, and project managers. Mourad has served in a variety of positions beside Resident Engineer, including field inspector and quality control technician, on projects involving transit bridge rehabilitation and new construction as well as transit facility expansion to accommodate operational improvements.

NJ Transit Hamilton Transit Complex, New Jersey: Quality Control Technician for a 63-acre NJ TRANSIT site development project. The project included the construction of a 130,000-square-foot state-of-the-art bus maintenance facility and a 10,000-square-foot passenger rail station. Mourad's responsibilities included testing and verification of materials, including soil, concrete, asphalt, fire proofing, test pits, soil boring, roofing, structural steel, underground utilities, and site development items for all construction activities on this bus maintenance facility and rail station. His responsibilities also included maintaining daily construction logs, quality assurance and quality control reports, and assisting the resident engineer with monthly estimates and change order estimates.

NJTA Mullica River Bridge Reconstruction, Bass River Township, New Jersey: Senior Inspector. This $51M project was first contract of several to widen the Garden State Parkway in Burlington and Ocean Counties. Mourad served as Senior Inspector for the new six span, post-tensioned concrete structure built offline to east of the existing structure. The superstructure is 1,230' long, 56' – 8 ¾" wide with a High Performance Concrete (HPC) deck supported by seven precast griders. The structure consists of five cast in place (CIP) piers supported on (15 – 8)' diameter columns/drilled shafts and two abutments supported on 248 – 16" square concrete piles. In addition to bridge work, he inspected the extensive approach work, which required soil densification involving the installation of 2,129 Controlled Modulus Columns (CMS's), 5,300 SY of mechanically stabilized earth (MSE) walls involving precast panels, stainless steel ladders (below flood level), galvanized straps, select structural fill and precast barrier.

Brooklyn-Queens Expressway (BQE) 25th Ave to Broadway, New York City: Senior Inspector for the construction inspection of the BQE from 25th Avenue to Broadway in Queens. Mourad performs oversight and monitoring of contractor operations and reports on project progress daily through an Inspectors Report and also monitors construction quality and maintenance and protection of traffic (MPT) provisions. The work also employs traffic management strategies such as transportation system management/intelligent transportation systems (TSM/ITS), construction phasing, lane closure restrictions, and some work performed at night and on weekends. Time

related provisions include A+B bidding, lane rentals, and incentive/disincentive construction clauses.

NJTA Contract No P100.130 Bass River Bridge Widening and Rehabilitation, Township of Bass River, Burlington County, NJ: Senior Inspector. The $55 million project involves the construction of a new parallel bridge carrying the Garden State Parkway over Bass River, rehabilitation of the existing structure and construction of approximately 4,700 linear feet of new approach roadways as well as construction of a new fender system to protect the new and existing bridge piers. The project includes a new 980 foot long bridge consisting of pre-stressed concrete spliced girders with a 9" HPC deck, pile supported piers and abutments, plastic lumber fender system, approximately 5,000 linear feet of MSE retaining walls and column supported embankment. The rehabilitation consists of replacing the existing steel stringers with new rolled sections, repainting the existing structure, steel repairs, a new deck system and a scour monitoring system.

Four Ocean Drive Bridges, Cape May County, New Jersey: Resident Engineer for miscellaneous structural repair of four bridges. Responsibilities included construction inspection, verifying the contractor's work and payment & quantity. The work performed under this contract included various steel bridge repairs, jacking for bearing resetting and plate bearing replacement, girder bearing retrofit, concrete pedestal rehabilitation, concrete under/top deck repairs, and installation of stringer catch system, cleaning and painting of girder bearing, and restoration of the areas of disturbance. The maintenance and protection of traffic and all other work associated with the specified bridge construction and repair.

Installation of Electronic Toll Collection System (E-ZPass), New Jersey: Inspector on the New Jersey Turnpike, Garden State Parkway and Atlantic City Expressway. Mourad's responsibilities included inspecting construction activities and verifying that the contractor performed the work as per required specification and contract documents. He verified and monitored MPT utilizing various agency standards and job-site safety issues; prepared the daily Inspectors Report, which reflects the day's work with emphasis on the type of operation, location, and status of the operation; and reported daily to a resident engineer to review work and any other construction related issues and activities.

Michael Markowitz, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 30

Education: MBA, Cornell University, Johnson Graduate School of Management, 1988

B.S., Civil Engineering, University of California, Berkeley, 1982

Professional Licenses:

Professional Engineer: California, 1984 [redacted]

Michael Markowitz has program management, construction management, and project management experience in building, bridge, airport, security, and tunneling projects. Michael has worked in both the private and public sectors and has held a variety of positions ranging from construction engineer to senior project manager. Michael has excellent communications, interpersonal, analytical, and project management skills. In addition to having both engineering and business experience, Michael is extremely capable in roles calling for enhanced teamwork in challenging situations.

Port Authority Security Capital Improvement Program: Michael served as a senior engineering manager to assist the PANYNJ with the development and implementation of the agency's Security Capital Improvement Program to address post-9/11 needs. The $1 billion 8-year program included upgrades at all Port Authority facilities, including the metropolitan region's airports, the Hudson River Bridge and tunnel crossings, the PATH rail transit system, and the region's ports. The diverse range of projects consisted of asset strengthening and hardening including perimeter intrusion defense systems (PIDS), fencing, lights, gates, barriers, vehicle control; and limited integration of new or existing security systems such as access control/alarm monitoring, closed circuit television (CCTV), and communication systems. In addition, Michael worked within the Office of Emergency Management in support of its security program oversight role, as project manager for a complex risk management and resource allocation effort, as co-author of the RFP for new World Trade Center security, and as project manager for the General Counsel's security call-in consultants.

World Trade Center Reconstruction, New York: As acting general manager, Michael managed all administrative and startup functions for the joint venture engaged in the installation of post-tensioned rock anchor tiebacks in the World Trade Center basement "bathtub" slurry walls, as well as the marketing of more conventional suspension bridge and Fiber Reinforced Polymer (FRP) projects in the northeast. Responsibilities included general management, staff supervision, labor union liaison, financial controls, human resources, payroll, benefits, and procurement for both the corporate office and the World Trade Center Recovery Project itself, where the combined firms functioned as a general contractor with on-board engineering expertise on a vital 24/7 specialty operation, valued at $5 million.

Second Avenue Subway, Phase I, New York, New York: Served as the agency coordinator and project manager for the $3.6 billion Second Avenue Subway, which will create a new subway line in Manhattan from 96th Street to 63rd Street by December 2016. He served as the agency coordinator for the Second Avenue Subway's relationship with the New York City Department of Buildings, and managed an associated $13M program of surveying approximately 250 adjacent

buildings prior to nearby subway construction, and designing and constructing repairs and additional reinforcement as necessary to approximately 50 of those buildings. Additionally, Michael was the project manager for design and construction efforts totaling approximately $4M for complex utility and structural modifications to buildings at the 72nd Street Station which need to accommodate a future station entrance.

Newark Regional Schools, Newark, New Jersey: Michael served as a project manager for the rehabilitation and modernization program for the Newark Public School district. He was responsible for construction at 13 schools, under six simultaneous contracts, valued at $13 million. Our services included project management services, oversight, direction, coordination and reporting on projects undertaken by the New Jersey Economic Development Authority (NJEDA)/New Jersey Schools Construction Corporation. Work included construction of 20 new elementary schools, additions/alterations to 6 existing elementary schools, construction of 15 new elementary/middle schools, additions/alterations to 8 elementary/middle schools, construction of 5 new middle schools, additions/alterations to 4 existing middle schools, construction of 3 new high schools, additions/ alterations to 9 existing high schools, and additions/alterations to 2 existing special education schools.

American Airlines Terminal 8/9 Replacement Project at JFK International Airport, New York: As senior construction manager/civil coordinator, Michael served as a senior member of the American Airlines Program Management Team (AA PMT). He managed all airside and landside civil construction for this $1.3 billion project. Responsibilities included: scheduling, phasing, quality assurance and cost management of all airfield work associated environmental remediation; reconfiguration of frontage roadway structures and construction of a new parking garage – all on complete demolish and rebuild-in-place fast-track basis, and in full coordination with ongoing operations of multiple airlines and the Port Authority of New York and New Jersey.

Continental Airlines Global Gateway Program, Newark International Airport, Newark, New Jersey: As project manager, Michael managed airport design, construction and renovation projects at Newark International Airport for the $500 million Global Gateway Program, including a $60 million project to renovate Terminal A, which encompassed all aspects of aviation facilities design and construction. He was responsible from concept through design and construction phases for programming, scope development, cost estimating, budgeting, project scheduling, staging, and contract administration. Michael supervised architect and engineer consulting firms, construction managers, and internal control staff. He coordinated project development and construction activities between Continental management, other airlines' management, and the Port Authority of New York and New Jersey. The Terminal A project was opened on time and under budget.

Jaroslav Prokop, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 20

Education: B.S., Ocean Engineering , Major in Design of Marine Structures, Florida Atlantic University, 1993

Professional Licenses:

Professional Engineer: New York, 2005 ([redacted]); Florida, 2003 [redacted]

Jaro Prokop has over a decade of extensive experience in Quality Control , and Quality Assurance, Field Engineering, Project Management, Structural Inspections, and Materials Testing. In his current assignment as Quality Manager, Jaro is in charge of Quality Assurance on the Second Avenue Subway Project in Manhattan, New York City, a major MTACC project, total value of $3.84 billion. Previously he was in charge of Quality Assurance and Inspections for $130 million, design-built portion of major MTACC project in New York City, total value at 880 million. His assignments, as responsible person in charge, focus on Project Management, Quality Assurance, and Project Oversight. Jaro is an excellent communicator and team player with strong work ethics.

Second Avenue Subway (SAS) Project, Phase I New York City: as a core team member and owner's representative, Jaro is a Quality Manager for this $3.6 billion mega project. The SAS Phase I includes tunnels from 105th Street and Second Avenue to 63rd Street and Third Avenue, new stations along Second Avenue at 96th, 86th and 72nd Streets, rehabilitation of existing Lexington Avenue/63 Street Station, and all systems, track, signals, power and communication.

Fulton Street Transit Center, New York City: as the owner's representative, Jaro was in charge of quality assurance and inspections for this $130 million, design-built portion of major MTACC project. He was responsible person in charge of supervision of field engineers assigned to contract, scheduling of construction work activities to be monitored by field engineers each day, participating in review of construction quality plans and coordinating contractor's quality control staff, coordinating verification testing, performing spot reviews, reviewing and approving of monthly pay requisitions, and signing of daily construction reports. Jaro oversaw construction for the second contract, the Day Street structural box which began in July 2005 and was completed in April 2008.

Third Avenue Bridge Reconstruction, New York City: for this $118 million swing span bridge project, Jaro supervised quality assurance and quality control during fabrication, assembly and erection of the movable, 351-foot-long, 65.6-foot-wide, swing truss span. This portion of the project was conducted in three phases. The phase one, fabrication and truss sub-assembly, was performed in Alabama fabrication shops, in Russellville and Cordova. For phase two, the two main trusses and a partial floor system were moved to Mobile, Alabama. There the entire movable swing truss span of the bridge was completely assembled and erected, including the mechanical elements. Once completely assembled, the bridge was moved to New York City on an ocean-going barge for phase three, completion of erection and docking onto the center pier.

General Aviation Center and Guard Station Project, Miami, Florida: for this $6.5 million project, a part of Miami Dade Aviation Department's $8 billion Capital Improvement Program, Jaro was the resident engineer and in charge of quality assurance and quality control. He managed and coordinated all orders of the owner, quality plan reviews, on-site inspections and testing, budgets, scheduling, proposal reviews, and pay requisitions.

Mixed Use Office Building, Miami, Florida: owner's representative and chief project engineer in charge of quality assurance on this $160 million landmark downtown office building. This 36-story building is comprised of 16 stories of offices, 10 stories of hotel, 10 stories of condominium with an adjacent 10-story parking garage and recreation deck.

Mixed Use Office Building, Ft. Lauderdale, Florida: owner's representative and chief project engineer in charge of quality assurance on this $120 million, 23-story downtown office building - 18 stories of offices over a 5-story parking garage, with a ground floor retail space.

Furniture Warehouse/Distribution and Retail Center, Tamarac, Florida: owner's representative and chief project engineer in charge of quality assurance on this $80 million, 800,000-square-foot building which involves a tilt-wall design up wall with structural steel roof framing.

Peter Pan, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 32

Education: Ph.D., Civil Engineering, University of Missouri-Rolla, 1987; M.S., Civil Engineering, University of Missouri-Rolla, 1983; B.S., Civil Engineering, Tamkang University, Taiwan, 1978

Professional Licenses:

Connecticut, 1991
New Jersey, 1996 ([redacted])
New York, 2007 (84730)

Peter Pan has extensive experience on the design, analysis and management of commercial and industrial buildings. He has worked on a wide variety of complex projects, including tall and super tall buildings, sport arenas (long span structures), airport terminals. He also has extensive experience including seismic and wind lateral analysis, dynamic analysis, thermal analysis, and structural steel and concrete detailing. Peter serves as a project manager/senior supervising engineer and chief structural engineer in the department responsible for the supervision of the engineers in the analysis and design of structures; the coordination of project tasks between disciplines and clients in schematic, design, and construction stages; and performance of quality assurance/quality control for the structural work performed in the firm's Architect and Building Service Center.

Charleston Bus Annex, Staten Island, New York: this design/build project involved a one-story steel building for the maintenance of MTA buses with mezzanine and second floors. As supervisor, he is responsible for providing supervision and guidance to team members during the design and construction stage and performing site visits to resolve site issues. He is also responsible for quality control. He prepares contract drawings and specifications of the structures and reviews shop drawings, requests for information (RFI) and job standards and calculations.

Building 51 Relocation and Expansion, Newark International Airport, New Jersey: he was responsible for supervising and guiding team members on the design and construction stages, quality and budget control and coordinating the project between disciplines and clients. He prepared contract drawings and specifications of the structures and review of the shop drawings, RFIs, job standards and calculations. He also coordinated, prepared performance specifications, and reviewed contractor's designs for the building relocation.

Risk Assessment for MTA Bus, New York City: structural engineer for the threat, risk and vulnerability (TRV) studies as well as the development of a security and emergency preparedness plan for the Yonkers, Eastchester and College Point Bus Depots. The project developed a prioritized list of security improvements for MTA buses. Work included performing site walkthroughs, assisting with employee interviews and coordinating the project.

IS 259 Addition, Brooklyn, New York: this four-story steel building and one cellar floor is for the addition of the IS 259 Junior High School for the NYC School Construction Authority. He was a supervisor responsible for supervising and providing guidance to team members on the design and construction stage and responsible for quality control. He prepared structure contract drawings and specifications and reviewed shop drawings, RFIs, job standards and calculations.

Metro-North Railroad Harmon Shop Replacement Program – Phase III, Croton-Harmon, New York: this design/build project included one locomotive and one coach maintenance shop. As a supervisor, he was responsible for the supervision and guidance of team members on the design and construction stages of this project. He was also responsible for quality control, prepared contract drawings and specifications of the structures and reviewed shop drawings, RFIs, job standards and calculations.

Marine Parkway Gil Hodges Memorial Bridge Facility Service Building, Queens, New York: lead structural engineer responsible for supervising and guiding team members on the design and construction stages, quality and budget control, and coordinating between project disciplines and clients. He prepared contract drawings and specifications of the structures and reviewed shop drawings, RFIs, job standards, and calculations.

Newark Liberty International Airport Call-In Services, Newark Liberty International Airport, New Jersey: as lead structural engineer, supervised and guided team members on the design and construction stages, quality and budget control and coordinated the project between disciplines and clients. He prepared contract drawings and specifications of the structures and reviewed shop drawings, RFIs, job standards and calculations.

Aviation Bridge Vehicle Maintenance Facility, Fort Drum, New York: for this design/build project, he was the lead structural engineer responsible for supervising and providing guidance to team members on the design and construction stages, quality and budget control and coordinating between project disciplines and clients. He prepared contract drawings and specifications of the structures and reviewed shop drawings, RFIs, job standards and calculations.

New Corona Maintenance Shop and Car Wash, Queens, New York: for this design/build project, he was the lead structural engineer responsible for supervising and guiding team members on the design and construction stages, quality and budget control and coordinating between project disciplines and clients. He prepared contract drawings and specifications of the structures and reviewed shop drawings, RFIs, job standards and calculations.

Rock Antonios, PE
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 25

Education: Post Graduate Studies Aachen University RWTH Germany, Engineering Studies; Jesuits University ESIB, University Claude Bernard Lyon, France Professional Registrations: Engineer-in-Training, NY

Professional Licenses:

Connecticut, 1991 [redacted]
New Jersey, 1996
New York, 2007 ([redacted]

Rock Antonios has over 25 years of technical experience in the rail transit, airports and transportation industry, specializing in the construction of rail transit centers, airports, hospitals, central energy plants, educational and commercial centers. Rock is an accomplished project manager well versed in observing cost, applying quality management techniques and completing projects on budget and schedule. With strong communication and interpersonal skills and the ability to adjust work practices for fast-paced team environments, he manages multiple project deadlines and fulfills all Owner's Projects Requirements (OPR), which has fostered client relationships and has led to repeat work from the clients.

Fulton Street Transit Center Project, New York, NY: Senior Construction Manager / Lead Commissioning Engineer for the design evaluation of all MEP systems, including HVAC, fire protection, fire alarms, plumbing, elevators and escalators at the new Fulton Street Transit Center. His responsibilities include work scopes and scheduling, risk management, construction plans, quality and safety. Rock administered improvements to project management, construction plans, means and methods and testing and commissioning plans and procedures. He handled all change orders and recommend cost-effective solutions to the client. The Fulton Street Transit Center project involves reconstruction of the Fulton Street Station complex to provide better connections and passenger flow among ten subway lines that are served at this complex in Lower Manhattan and to integrate it with the new transportation hub and other redevelopment at the World Trade Center site.

Continental Airlines Terminal Redevelopment, Newark Liberty International Airport, New Jersey: Mechanical Engineer responsible for the design and supervision of MEP and PFP installations with coordination of all other trades including commissioning services for terminals and maintenance facilities at Newark Liberty International Airport.

New York City School Construction Authority, New York, NY: Senior Project Manager/Principal Mechanical Engineer responsible for design and engineering of mechanical and electrical installations and coordination with all other trades including weekly site visits and construction services. Controls used BACnet and Modbus protocols with Lon talk connected to an enterprise platform.

Penn Station and Grand Central Station Improvements, New York, NY: Technical Director, Associate, Principal Mechanical Engineer for the design and engineering of mechanical installations, utilities and coordination of all other trades. Responsible for performing the quality control for the planning, design and preparation of plans, specifications, and estimates of

mechanical system requirements for major projects and also responsible for management and supervision of various systems for airport projects. Senior Engineer for the design of HVAC, plumbing, and fire protection control systems in the new building concourses. The project included departure lounges, waiting areas, arrival (sterile) corridors, tenant spaces, and baggage handling areas. Audit and Quality Control for HVAC, plumbing, and fire protection systems were part of the scope. Punch list and approval of TAB reports.

NJ TRANSIT, Locomotive Shop Expansion Value Engineering Study, New Jersey: Program Manager and Principal Mechanical Engineer that worked on Rail Maintenance Facility Assessment MMC Locomotive Shop Drop Table and Consideration/Study and expansion at tracks 11 and 12. Responsible for monitoring and evaluating building systems and all MEP management systems, HVAC, fire detection/suppression, elevator/escalator on capital programs and projects, including work scopes, budgets, cost-estimating and scheduling, risk management, construction plans, quality and safety. Provide value engineering from information through implementation. Selection of optimal solutions, enhanced performance and reliability and minimized capital improvements costs. Minimized and eliminated Health and Safety hazards.

Dallas Forth Worth Terminal Renewal and Improvement Program Dallas, TX: Senior Group Leader of Mechanical Engineering that performed work that included design and engineering of HVAC installations including SCADA, FIDS, PA and FA with coordination of all other trades for airport terminals. Performed quality control for the planning, design and preparation of plans, specifications, estimates of mechanical system requirements, construction services and commissioning. Recommend improvements to project management, construction plans, means and methods and testing and commissioning plans and procedures. Developed points list and interface into mechanical and electrical equipment, including industrial control system applications. Directed site survey, system design, calculations, equipment layout, wiring drawings, and specifications and was responsible for design, construction support, and commissioning of all airport systems.

Giovanni Castro, PE, NACE
Resident Engineer

Giovanni Castro has 18 years of experience in construction management and inspection of major bridge and high-volume roadways. His project skills include construction engineering inspection for roadway repair/construction, bridge construction, building construction, concrete pavement, MPT, drainage rehabilitation, materials testing, waterline construction and scheduling software. He has excellent communication skills and experience with supervisory roles, coordinating among project stakeholders, and interfacing with numerous agencies on major rehabilitation projects.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 18

Education: B.S., Civil Engineering, University of Connecticut, 1996

Professional Licenses/Certifications:

ATSSA MPT Supervisor; ACI – Grade 1; Advance Maintenance and Protection of Traffic; SSPC C5 Supervisor/competent Person for Deleading of Industrial Structures; OSHA; Nuclear Gauge Certification; NACE LEVEL 1

Third Avenue Swing Bridge Reconstruction, New York City: Supervising Field Engineer on this $120M project. Giovanni supervised construction, including the maintenance and protection of traffic. Additionally, he served as Office Engineer with the responsibilities of: reviewing extra work requests in order to justify issuing or rejecting change orders, estimating, negotiating, processing and managing change and work orders (MURK forms), preparing reports/letters. Additional responsibilities included generating accurate projections of the potential overrun costs due to design and field changes. The project involves six stages of work for the flanking spans: the pivot span, a temporary bridge, new rest and pivot piers, reconstruction of the ramps and sidewalks, sewer realignment, machinery and electrical components, storage building construction, and a number of other amenities.

Roosevelt Island Bridge Reconstruction, New York City: Assistant Resident Engineer & Office Engineer. This $86M project involved the rehabilitation of a vertical lift bridge and its approaches. Work included the rehabilitation of the Architectural, Civil, Electrical, Marine Fender, Mechanical, MPT, Paint System, Scour Control, Street Lighting, and the Structural elements of the entire bridge. The construction was conducted in three stages for a duration of thirty-six months. During the construction the lift span remained operational by utilizing an auxiliary system, which would allow passage of marine traffic. In addition, vehicular and pedestrian traffic was allowed on the bridge at all times since the bridge is the only vehicular access to the island. Furthermore, Environmental Mitigation was required for the removal of asbestos containing materials, lead paint removal, removal of pigeon waste, and for the excavation of river material for the purpose of submarine cables installation. Giovanni reviewed contractor's request for payment for initial approval, reviewed work completed in order to verify compliance to contract specifications, reviewed inspector's reports, inspection of maintenance and protection of traffic, construction activities, and supervising inspection staff and administrative assistants.

City of New Haven, RT 34 Downtown Crossing Project: Resident Engineer for this $14 million municipal project that includes federal participating TIGER Grant monies and overseen by both

FHWA and ConnDOT. The project involves the abandonment and demolition of a four-lane highway, two-way arterial highway, expansion of perimeter roads into 'complete street' boulevards, demolition and reconstruction of the College Street Bridge and associated major MSE and retaining walls. As Resident Engineer, Giovanni is responsible for management of all inspection and project administration overseeing a staff of 8-10 personnel, including a project engineer (design liaison), office engineer, chief inspector, inspectors, environmental monitor, materials technicians, surveyors, and office clerk. Significant interface was required with third party utilities during the construction of underground storm drainage, due to conflicts with existing conditions, and desire of utility companies to perform their own system relocations or upgrades within the same corridor. Maintenance of traffic planning and implementation was critical, due to urban congestion and construction staging. Construction stages were modified regularly to avoid impacts to pedestrians and motorists. Community outreach was important considering the urban location, which included hospitals and colleges. Schedule reviews were performed to assist the City with management and achievement of all project milestones.

I-95 Milford/Orange Resurfacing and Safety Improvements, Connecticut: Resident Engineer for this $35M project which involved the rehabilitation of 6 miles in both northbound and southbound directions on I-95. The 6 miles were composed of a minimum of three travel lanes with left and right shoulders in each direction. The project included repairs to ramps, interchanges and service plaza; rehabilitation to concrete pavement and/or bituminous concrete pavement; bridge deck repairs; clearing and grubbing; roadway electrical, sign, and guardrail installation; and drainage pipe rehabilitation. This project was on a high volume roadway and the use of detours was required to provide minimal impact to the public; with simultaneously coordinating traffic patterns with adjacent projects.

Central Artery Tunnel – Charles River Bridges Project, Massachusetts DOT: Field Engineer. The $100M project involved the construction of two bridges over the Charles River. As the field engineer, Giovanni was responsible for all phases of construction, including the cable-stay stressing and post tensioning of bars and the erection of the steel box girder.

Martin Tagliaferro
Resident Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 34

Education: B.S., Civil Engineering, Union College, 1980

Professional Affiliations:

American Society of Civil Engineers

Construction Management Association of America

Martin Tagliaferro specializes in managing the planning, design and construction of major bridge and highway projects including steel and concrete viaducts, cable stayed and precast segmental concrete bridges, cut-and-cover tunnels, open boat sections, local surface roadways along with landscaping features, pump stations, electrical substations, commercial piers, and multi-story buildings for public and private owners. As a principal project manager he has thorough knowledge of all phases of a project, from the concept and study phase through permitting, field surveys and investigations, right-of-way considerations, constructability reviews, Value Engineering initiatives, dispute resolution and design and construction management.

Fulton Street Transit Center, New York City: resident engineer for the Consultant Construction Management team responsible for providing construction management and inspection services for the reconstruction of the Fulton Street station complex in Lower Manhattan. The project, which comprises 11 separate construction contracts, involves construction of the new transit center's foundation and building, demolition of various commercial and office buildings necessary to clear the site; cut-and-cover construction of the Dey Street Connector tunnel; various subway station improvements to improve circulation and connectivity; and extensive utility relocation and maintenance and protection of traffic.

Inspection and Rehabilitation of Various Bridge and Marine Facilities, New York and New Jersey: project engineer/project manager for the inspection and rehabilitation of various bridge and marine facilities for the Port Authority. Martin was responsible for in-house and consultant inspection, renovation, and failure investigation contracts. He established project scopes and schedules, prepared and reviewed requests for proposals, managed contract costs and negotiated changes, evaluated technical findings, reviewed and accepted inspection reports with repair recommendations, and evaluated and rated both in-house personnel and contracted consultant performance. Major projects included:

Bayonne Bridge: structural integrity inspection

Goethals Bridge: structural integrity inspection

Lincoln and Holland Tunnels: structural integrity inspection

Port Newark Berths 10-12: failure investigation

Port Elizabeth Berth 76: investigation and repair of damage incurred from a cargo liner collision

Bayonne and George Washington Bridges: structural integrity inspection of the cables

Central Artery/Tunnel Project, Boston, Massachusetts: project engineer responsible a $14.7 billion extension of the Massachusetts Turnpike (I-90) through South Boston and East Boston. One of the largest US public works projects ever undertaken work included representing the CA/T during presentations at public and private meetings with Massport, the Massachusetts Bay Transit Authority, numerous City of Boston Agencies, all local utilities and several active Community and Environmental Groups while managing and coordinating all design and subsequent construction activities for specific project sections.

Central Artery/Tunnel Project, Boston, Massachusetts: project manager responsible for final design management and construction phase services for the $250 million Bird Island Flats cut-and-cover tunnel. This portion of the CA/T Ted Williams Tunnel connected the adjacent immersed tube portion of the tunnel with State Route 1A, the entrance to Logan International Airport and local streets. Responsibilities included oversight and administration of Section Design Consultant contractual requirements, plan review, compliance with contract specifications, and coordination with Massport, the local Fire Department, local utilities and security firms and representing the Highway Department at numerous public and private meetings. The tunnel was constructed adjacent to Logan International Airport and required the temporary relocation of an airside taxiway without disruption to Massport facilities.

Central Artery/Tunnel Project, East Boston Airport/Route 1A Interchange, Boston, Massachusetts: project manager for the final design of the $200 million East Boston Airport/Route 1A Interchange, preliminary design management of a $7 million multi-story toll plaza facility, final design management of the $147 million Logan Airport Interchange.

Various Bridge Inspection Projects, New York, New Jersey, Connecticut, Massachusetts and Illinois: structural engineer/inspector for various bridge inspection projects for a New York City-based consulting firm. Inspected and designed repair details for fixed and movable bridges along with adjacent bridge appurtenances (including approach roadways, fender systems and bulkheads); supervised and trained field engineers for in-depth structural integrity inspections; writing structural integrity inspection reports with structural analyses, repair recommendations, and cost estimates; and writing technical specifications, reviewing shop drawings and preparing responses to Requests-For-Information for construction contracts.

Rajesh Kissoon
Office Engineer

Rajesh Kissoon brings an in-depth understanding of transit center construction experience. As a practiced office engineer, he has a variety of experience coordinating submittals and requesting for information and various correspondences between the client, contractor and designer. Since 2009, he has served as an Order Coordinator, Office Engineer, and Inspector for the $1.4 billion Fulton Center Project that will renovate and rebuild the station complex to facilitate the connections between train lines, decrease the congestion of the pathways, and enhance the travel experience for the 300,000 people who will use the complex daily.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 5

Education: B.S. Engineering Management, New York Institute of Technology, 2010

Professional Affiliations:

American Society of Civil Engineers

MTA-NYCT Fulton Street Transit Center, Contract A-36119 – Transit Center Foundation & Corbin Building Underpinning: Served as the office engineer for the foundations contract of the transit center. This involved coordination with the client, contractor, and designer for submittals, and request for information for contract close-out.

MTA-NYCT Fulton Street Transit Center, Contract A-36121 – A/C Mezzanine Reconstruction & J/M/Z Vertical Circulation: The A/C Mezzanine Reconstruction & J/M/Z Vertical Circulation involved complete demolition of the original mezzanine and installation of new structural steel support for the above roadway, necessary for construction of the new mezzanine. Rajesh originally served as the office engineer coordinating submittals, request for information and various correspondences between the client, contractor and designer. He was involved with field inspection regarding, structural steel, electrical, communications, mechanical, testing, and safety. He currently serves as the additional work order (AWO) coordinator. This contract boasts four hundred AWO's and Rajesh coordinates between client and contractor for estimates, proposals, and negotiations.

MTA-NYCT Fulton Street Transit Center, Contract A-36137 – Dey Street Head House & 4/5 Fulton Street Station Rehabilitation: The Project involved the construction of Dey Street Head house to facilitate easier customer flow to the newly renovated 4/5 Fulton Street Station. I served as the office engineer coordinating submittals, request for information and various correspondences between the client, contractor and designer. Rajesh was involved in field inspection regarding, electrical, communications, mechanical, testing, and safety. Currently serves as the additional work order (AWO) coordinator. This contract boasts over two hundred AWO's. He coordinates between client and contractor for estimates, proposals, and negotiations.

MTA-NYCT Fulton Street Transit Center, Contract A-36138 – Dey Street Concourse & R/W Underpass and Platform Finishes: Responsible for field inspection regarding, electrical, communications, mechanical, testing, and safety. Currently serves as the additional work order

(AWO) coordinator. This contract boasts over fifty AWO's. Rajesh coordinates between client and contractor for estimates, proposals, and negotiations.

MTA-NYCT Fulton Street Transit Center Contract A-36125 – Fulton Street Transit Center Enclosure: Project involved the construction of the glass enclosure and structural steel framing within the transit center building. Served as the office engineer coordinating submittals, request for information and various correspondences between the client, contractor and designer.

MTA East Side Access: Jr. Estimator/Intern on this $8B project. Prepared cost estimates for contractor change order requests including site preparation, excavation, additional steel, and catenary structures.

Second Avenue Subway Line: Jr. Estimator/Intern on this $4.4B project. Primarily responsible for estimating the utility systems including gas, water, and electric with support of excavation and saw cutting. Conducted field visits for accurate knowledge for estimation of the project

Fulton Street Transit Center: Jr. Estimator/Intern on this $1.4B project. Responsible for field surveys for project conditions, manpower efficiency, and preparation of reports for estimates.

South Ferry Terminal: Jr. Estimator/Intern on this $530M project. Conducted field surveys for accurate quantities, manpower, equipment, and overall project efficiency regarding use of time and manpower. Completed take-offs for various phases of construction in preparation for estimates.

West Farm Houses, New York City Housing Authority: Superintendent/Intern on this project. Superintendent during the roof replacement and exterior restoration at the NYCHA West Farm Houses facility responsibilities included completion of daily reports and supervision of construction and project site for efficiency and inspection.

Johnson Houses, New York City Housing Authority: Superintendent/Intern responsible for performing survey of the existing building conditions for the exterior restoration, roof replacement, and interior renovation as part of the planning for the next phase of construction.

Wise House, New York City Housing Authority: Superintendent/Intern that worked as the Project Superintendent in the final phase of the roof replacement at NYCHA Wise House facility. Supervised construction being done and completed daily reports. Coordinated with client, NYCHA, to complete closeout documents for project.

Maximo Perez, PE
Office Engineer

Maximo Perez has worked in the construction engineering field with an emphasis on highway and bridge construction. He has served in a variety of positions including inspector, assistant office engineer, and design engineer on projects involving bridge rehabilitation, highway expansion to accommodate high occupancy vehicle (HOV) lanes, and highway drainage improvements. Albert is also experienced in residential, watermain and sanitary and storm drainage system construction.

Highlights:

Firm: Parsons Brinckerhoff

Years of Experience: 31

Education: B.S. Electrical Engineering, City College of New York

Professional Affiliations:

American Engineering Alliance

Manhattan Bridge Painting & Interim Rehabilitation, New York, New York: assistant office engineer responsible for preparation of partial payments using the project's computerized engineering estimate system (CEES) for preparing, as well as for processing of change orders and time and material sheets. Al also certified all material brought to the site, reviewed shop drawings, and monitored the progress of the job through progress meetings and correspondence between the field office and all involved agencies. Parsons Brinckerhoff (PB) served on the resident engineer inspection team on this $124 million project for the New York City Department of Transportation.

Manhattan Bridge West Upper Roadway Rehabilitation, New York, New York: assistant office engineer on this $96 million project to rehabilitate the entire west upper roadway of the Manhattan Bridge including replacement of the suspended span deck. Working with the project's CEES program, Al processed payments to the contractor for work performed, as well as changes orders and time and material costs. He also certified all material brought to the site to ensure it met contract specifications, reviewed shop drawings, attended project progress meetings, and reviewed contractor progress against bar charts and the critical path method (CPM) schedule.

Newark Abbott School District, Newark, New Jersey: planner on a $1.6 billion program. Al is responsible for assisting the New Jersey School Construction Corporation (NJSCC) in acquiring the necessary property to construct new schools. As planner, Al reviews and oversees feasibility studies, conducts progress meetings and coordinates efforts with DEP and DOE for fast track approvals. He also reviews and approves consultant's invoices and assists the NJSCC in the appraisal, purchase and relocation of homes and manufacturing facilities that are displaced through property acquisition.

New Jersey Department of Motor Vehicles Inspection and Maintenance Facility Retrofit Program Management, New Jersey: lead engineer assigned to this project which involved the retrofitting of centralized and private inspection and maintenance facilities statewide to meet the new USEPA emissions standards. In this position, Al was responsible for reviewing subcontracts and scopes of work completed by subconsultants. He also developed and implemented the Project

Management Plan; developed and implemented quality assurance/quality control procedures and plan; reviewed contract documents and field construction to confirm drawings were being followed; and performed quality assurance on construction activities.

Installation of Electronic Toll Collection System (E-ZPASS) on the New Jersey Turnpike, Garden State Parkway and Atlantic City Expressway: as a resident engineer his responsibilities included planning, reviewing, and assignments of work of subordinate field personnel. Al reviewed all construction processes and engineering layouts, reviewed project activities with the client representative and contractor field supervisor resolving disputes and daily issues, and reviewed daily inspector reports and prepared resident engineers summary report from his/her comments as well as data compiled from the inspection reports.

N.J. Turnpike Exit 13A Expansion, Elizabeth, New Jersey: inspector on this $24 million highway expansion project to accommodate HOV lanes for the New Jersey Turnpike Authority. Al's responsibilities included overseeing and inspecting highway expansion, working with steel members crossing over several interior streets in the town of Elizabeth, and latex-modified concrete. He calibrated truck equipment, inspected the work of earthmovers on various soils to create a good base for the expansion, and monitored paving and milling of large sections of the highway and rerouting of utilities that crossed over any given section. Albert also laid out miles of parapet (both removal and installation).

Garden State Parkway Drainage Rehabilitation, New Jersey: inspector on this $45 million project to rehabilitate storm drainage systems running along and underneath the Garden State Parkway from Exit 122 to Exit 38, a length of 100 miles (161 kilometers). Al's responsibilities included overseeing the contractor during the rehabilitation of the drainage systems. The project involved using new methods of lining the inside of drainage systems without having to remove the existing piping or jack the roadway. He walked through several size systems, performing visual analyses on smaller systems and video inspection of the pipes to determine the types of repairs necessary.

Albert Himaia
Office Engineer

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 16

Education: B.S., Civil Engineering, New Jersey Institute of Technology, 1988; A.A.S., Civil Engineering, Middlesex County College, 1986; Paralegal Degree, Middlesex County College, 1994

Albert Himaia has extensive experience in the construction industry, focused on electrical and communication systems upgrades for rail transit stations. He has managed design and construction of smoke detectors and alarms, CCTV, public address, telephone and computer network systems and approved bulletin for the installation of telephone cables, emergency alarms, public address systems and the relocation of radio base stations.

MTA-NYCT Fulton Street Transit Center: Parsons Brinckerhoff's Senior Commissioning Representative working on commissioning the Fire Alarm Systems for all 5 Contracts for the $1.4B project. This project will improve access to, and connections between, 12 subway lines for hundreds of thousands of daily commuters and lower Manhattan residents and visitors, and will link NYCT facilities with PATH service and the World Trade Center site.

MTA – NYCT, Capital Program Management Station Rehabilitations: Administrative Engineering Manager. Mr. Perez managed the communication engineering staff assigned to the Station Rehabilitation Office. He was responsible for the design of various capital projects including stations rehabilitations, ADA accessibility, and employee facilities and offices. He oversaw the preparation of contract documents for station smoke detection and alarm, CCTV, public address, telephone and computer network systems and approved bulletin for the installation of telephone cables, emergency alarms, public address systems and the relocation of radio base stations.

MTA – NYCT, Station Rehabilitation: Electrical Engineer, Level III. Supervised the designs of public address, Closed Circuit Television, and radio and telephone systems for capital projects; prepared bill of material for communication equipment used in the construction of projects built by in-house personnel; assisted in the solutions of construction problems; drew the final as-built drawings for station rehabilitation projects constructed by in-house forces; and reviewed and approved maintenance and operational manuals for Public Address, CCTV, and Fire Alarm systems.

MTA – New York City Transit, Station Rehabilitation: Subdivision Engineer. Supervised four engineers in the production of drawings and specifications for communication capital projects. Reviewed the designs and construction of projects prepared by consultants; met with contractors to answer questions and explain procedures for placing communication equipment in service; inspected equipment at the factories and the installation of telephone terminating facilities at the construction sites; and reviewed and approved bulletin procedures for the installation of communication equipment.

MTA – NYCT, Communication Engineering Office: Project Coordinator. Developed scopes of work and schedules for capital projects; supervised, assigned, and reviewed the work of Assistant Engineers; scheduled meetings and obtained design inputs from other engineering disciplines; prepared Engineering Force Accounts for the electrical engineering department and capital contracts; and coordinated with Rapid Transit (DOS) on the schedule of General Orders.

Dominick DeNicolo
Scheduler

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 17

Education: Business Management, St. John's University, 1982

Additional courses: Project Management Training; Steam Generating -Nuclear Plant Technology; Structural Design Drafting; Design Technology (1 year credit courses), Queensborough Community College

Dominick DeNicolo is highly experienced in planning, scheduling and cost control in design and construction of highways, tunnels and ventilation support buildings, new and renovation of public high schools. He also has experience in the power industry for both nuclear and fossil generating plants during design, construction, operational and outage phases. Dominick has developed, monitored, and analyzed CPM schedules; prepared reports/presentations; performed cost, trend/impact and performance analyses based on earned value progress; and interfaced with internal and external customers for positive results. He is experienced with Windows7, Primavera (P3 & P6), Microsoft Word and Excel, and is familiar with WordPerfect, Lotus, Oracle and Artemis. Other PC software includes Promis and Macro, and Mainframe database systems (PROJECT/2, Nucleis, Novell, CPM/PERT).

Port Authority Security Program, New York/New Jersey: as senior scheduler, Dominick was responsible for developing, updating and maintaining an integrated design and construction CPM project schedule for all Port Authority PATH Security contracts in Primavera P3. Dominick collaborated with project managers for monthly progress within their assigned network activities and assisted in mitigating delays to the overall project milestones completion, by developing work-a-rounds within the assigned activities to reduce major impacts. He has developed and performed monthly schedule analysis reports to the Port Authority senior project manager and director.

Second Avenue Subway, Phase 1, New York City: project consisted of the following but not limited to: the removal & replacement of existing utilities, the trenching and placement of slurry panel tunnel walls and the offsite-construction of the Tunnel Boring Machine (TBM). As lead project scheduler reporting to MTA's Chief Project Controls Manager, utilizing Primavera P6, Dominick was responsible for reviewing, monitoring and analyzing contractor's monthly CPM Updates submittals; also (on case-by-case basis) analyzed contractor's requests for time extension and determine if time extension is warranted or not in his prepared analysis report for the Chief with recommendations of a recovery plan, if needed. Dominick also made specific suggestions to Project Director Tom Peyton on various occasions to help resolve schedule work conflicts within the assigned CPM tasks.

Third Avenue Bridge Reconstruction, Manhattan-Bronx, New York City: senior scheduler and project controls administrator for the $118 million reconstruction of this swing bridge over the Harlem River. Dominick performed scheduling services required to monitor the contractor's performance based on budget and schedule maintenance adherence. The project consisted of was not limited to, six stages of work for the flanking spans, the pivot span, a temporary bridge,

new rest piers and pivot pier, reconstructed ramps at both ends of the bridge, new pivot machinery and electrical components, and control house. Maintenance of traffic and large diameter drilled shaft foundations were integral to this work.

Grand Central Parkway Reconstruction, Queens, New York: as senior project scheduler, Dominick provides scheduling support services to the project team and NYSDOT-Region 11 for this $165 million project that entailed reconstructing / realigning ramps on the Grand Central Parkway from 84th to 111th Streets (east & west bound), pavement rehabilitation, reconstruction of the center median barriers, and replacement of the 94th Street bridge. Scheduling services include review contractor's progress updates, development of schedule analysis reports addressing all problems and delays within the contract CPM schedule network to the Resident Engineer and/or Engineer-in-Charge, providing recommendations regarding CPM issues and/or developing what-if schedules for possible work-a-rounds to resolve / recoup delays in the CPM critical path.

World Trade Center Reconstruction Project, New York City: as senior project scheduler/controls, Dominick monitored daily construction site excavation activities, including equipment in use. He tracked progress performance of soil removal/tied-backs installation in bi-weekly reporting.

Mass-DOT Central Artery/Tunnel Project, Boston, Massachusetts: as senior project scheduler/controls reporting to PB-RE Dave Flanagan, Dominick reviewed, approved construction contractor's CPM schedules and applications for payment as it pertained to work performed within the assigned scope for specific tunnel and building ventilation contracts. He implemented the cost-loaded CPM schedule specification for such construction contracts. He also monitored and reported critical path status and progress performance. Additionally, Dominick developed and maintained detail and summary schedules and forecast remaining work; identified trends, action items, and critical issues within assigned contracts; performed cost/schedule impact analyses for new added scope of work; updated monthly the project integrated schedule by reporting progress based on earned value. He also participated in assessment of claims and changes submitted by contractors for time entitlements by providing specific case-by-case special analysis for justification of claims.

Manhattan Bridge over the East River, Manhattan-Brooklyn, New York: As senior scheduler and project controls for this $148 million reconstruction of the Manhattan Bridge Rehabilitation of The Lower Roadway. Dominick assisted the Prime Consultant Greenman-Pedersen in performing scheduling services as per required to monitor the contractor's performance based on budget and schedule maintenance adherence. The project consisted of, replacement of the lower roadway framing in the approaches and suspended spans; rehabilitation of anchorage, towers, sub-structures and retaining walls on both the Brooklyn and Manhattan approach spans.

Gary Simmons
Scheduler

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 41

Education: B.B.A., Marketing & Finance, Iona College, 1973

Gary Simmons has more than 30 years of construction and project management experience involving project controls for scheduling, cost control, and estimating. He is highly experienced in the development and usage of conventional and state-of-the-art technologies in project controls for managing both large and small projects. He is completely knowledgeable in P3 (Primavera), Microsoft Project & Microsoft Access. Gary has developed schedules and estimates for construction as well as reviewed schedules and costs prepared by contractors. He has developed and instituted project controls requirements in the specifications for preparation and submittal of cost applications, schedule baseline/progressing, manpower/resource loadings, change order control and monthly contractor and client reporting for management. He also has provided comparisons of baseline to current activities and manpower loadings, forecasted completions and potential impacts of suggested alternatives.

Port Authority Security Program, New York and New Jersey: as project control manager, Gary develops and maintains an integrated cost and scheduling system for the Port Authority on various project assignments, including constructability reviews and construction schedule reviews. Additional responsibilities include development of a document control system, consultant cost/schedule monitor/reporting system, invoice tracking system and development/publication of monthly progress reports to client management. This effort spans all Port Authority facilities (airports, ports, bridges and tunnels, terminals and PATH system.

Route 219, Southern Expressway, Section 5, Cattaraugus and Erie Counties, New York: construction constructability assessment to determine feasibility of schedule. The overall project involves providing construction inspection services associated with the new alignment of 4.2 miles (6.8 kilometers) or Route 219 with new Portland cement concrete mainline pavement and 11 new bridges.

Newtown Creek Water Processing Center, Queens, New York: served as the CPM manager responsible for schedule and cost review of contractor and the associated subcontractors on two specific contracts at the project site valued at $950 million. Additional responsibilities included oversight of construction activities and interfacing with design/engineering and the New York City Department of Environmental Protection.

Central Connecticut State University Project, New Britain, Connecticut: as project control manager, Mr. Simmons initiated a dialogue within the joint venture thereby allowing development of a recovery plan of the construction schedule. This effort included a comparison of baseline to

current activities and manpower loadings, forecasted completions and potential impacts and suggested alternatives. During this effort, he participated in the development of the start-up/commissioning schedule and manpower estimates, which ultimately became part of the construction schedule. Finally, Mr. Simmons expanded and maintained the negotiations within change order process.

Hudson River Park Trust Project, New York City: as project control manager, Mr. Simmons reviewed, refined and further developed the project schedule of the nine contractors associated with the project. This effort included manpower allocations, financial commitments and limitations and procurement issues. He instituted the weekly site walkthrough with the client, architect and contractor personnel to resolve problems, discuss "Plan of the Week Work" and provide alternative work efforts to maintain the targeted project completion. This effort also included the development of the change order process, which included negotiations with the client and contractors. Finally, on an as needed basis, Mr. Simmons worked with the resident engineer to ensure compliance with project specifications and code regulations.

500-MW Power Facility for the New York Power Authority, New York: as project controls manager, Mr. Simmons developed and instituted the project controls requirements for the project. The requirements included the specifications for preparation and submittal of cost applications, schedule baseline/progressing, manpower/resource loadings, change order control, and monthly contractor and client reporting for management and government use.

In-City Generation Facilities of the New York Power Authority, New York: completed the project controls effort for the installations. As project controls manager, he instituted and maintained the requirements of cost applications, schedule baseline/progressing, manpower/resource loadings, change order control and monthly contractor and client reporting for management and government use. The importance of this effort is that it erected eleven 50-MW power facilities in four boroughs of New York City and Long Island in 6 months.

Ian Fisher
Estimator

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 28

Education: B.Sc., Quantity Surveying, 1984, Leeds Metropolitan University, Leeds, England

Professional Affiliations: Professional Associate of The Royal Institution of Chartered Surveyors, 1991

Ian Fisher is a senior capital cost estimator with more than 28 years of experience in engineering design and construction cost estimating. During this time, Ian has held positions of increasing responsibility such that his current position requires him to perform overall coordination and execution of complex building and facilities cost estimates and to provide technical supervision of more junior cost estimators on projects in the range of $250M. Ian has gained extensive experience in the development of cost estimates during the conceptual/preliminary design phases of projects, through detail engineering and bid phase, and during construction.

Boston Logan International Airport Consolidated Rental Car Facility ($250M), Boston, Massachusetts: supervising estimator for the Boston Logan International Airport Consolidated Rental Car Facility. Project scope includes preliminary design estimates on a 1,200,000 sf parking garage, an 116,000 sf Customer Service center, and Four Quick Turn-around Facilities, along with a 40 acre site development and infrastructure upgrade. Project Management role includes drafting the RFP for construction management services and reviewing 9 CM proposals.

Daedalus Projects, Inc., Boston, Massachusetts: as chief estimator/project manager, Ian was responsible for management of workload within the office and co-ordination of projects, including schools, colleges, public safety facilities, residential, airports, parking garages, museums, laboratories, theatres and courthouses. Other significant duties included regular reconciliations and negotiations with construction managers on behalf of the employer. Project valued from $1M to $275M.

Rider Hunt Chartwell LLC., Boston, Massachusetts: as an associate, Ian was responsible for management of workload in office, co-ordination of projects, and office computer network and filing system set-ups. Project valued from $1.5M to $85M.

Hanscomb (now Faithful + Gould), Cambridge, Massachusetts: as senior estimator, Ian's responsibilities included performing quantity take-offs, pricing, scheduling, bid negotiation, reconciliation and client liaison. Project valued from $1.8M to $35M.

Andrew Chartwell Co., Boston, Massachusetts: as project manager/quantity surveyor Ian was responsible for estimating and project management on schools, universities, hospitals, and luxury retirement homes. Values ranged from $2M to $15M.

Kirklees Metropolitan Council (a local government organization), England: acting as a quantity surveyor team and design team leader/project manager in a multi-disciplinary environment. Ian was responsible for the production contract documents and final payment authorizations, due diligence, bidding reports, and negotiation. He was also responsible for claim evaluation and

litigation on contractual disputes. Ian was frequently involved in the restoration of 19th and early 20th century municipal buildings.

The Walton Horsfall Partnership, England: as quantity surveyor, Ian was working in a multi-disciplinary environment on projects valued at $250K to $20M. His responsibilities included acting as owner's representative on a design-build four-star hotel, Inn refurbishment projects, banks, and office buildings.

Rider Hunt and Partners, England: as quantity surveyor, Ian was responsible for pre- and post-contract duties; working on various types of projects valued at $300K to $20M, including commercial and industrial projects, hospitals, private and public sector housing, and educational establishments.

Fairclough Building Ltd (A General Contractor; part of the Amec Group of companies), Leeds, England: as project quantity surveyor, Ian was responsible for post-contract duties, which included site measurement, authorizing subcontractor valuations and final accounts, and performance of background work for preparation of a loss and expense claim.

Rex Procter & Partners, England: as trainee quantity surveyor, Ian worked on various retail, office building, and hospital projects which valued from $350K to $10M.

Indardeo Parbhunath, PE, NACE
Inspector

Indardeo Parbhunath (Parbs) has three decades of proven successful experience as a construction inspector with a background in highway and bridge construction and reconstruction projects in the northeastern United States. His responsibilities have included inspection supervision, final quantity calculations, preparation of construction change orders, and daily review of inspection reports. Since joining Parsons Brinckerhoff, Parbs has been serving as a supervising construction engineer on several major assignments.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 35

Education: B.S., Civil Engineering, University of Guyana, 1975

Professional Licenses/Certifications: Professional Engineer: CT. [redacted] NY # [redacted]

National Institute for Certification in Engineering Technologies (NICET), Level IV, 1986 (#[redacted])

NACE Training I, II, and III Certification (#[redacted]); Coating Inspection Technician

Certified Traffic Control Supervisor (ATSSA) – Cert. No. 29980

ACI, Grade 1

World Trade Center Reconstruction, New York City: Senior Inspector for nighttime construction work for Towers 2,3&4. Work includes inspection supervision for excavation, underpinning, slurry walls construction, maintenance and protection of traffic, extra work (time and material) and track work.

Manhattan Bridge Reconstruction Contract #11, New York City: served as project safety and maintenance and protection of traffic (MPT) manager for this $175 million project. The project involved reconstruction of the lower roadway suspended and approach spans, rehabilitation of anchorage chambers, rehabilitation of substructures and retaining walls in the Brooklyn and Manhattan approach spans and travelers in the suspended spans, installation of new street lighting and traffic signs, replacement of maintenance platforms at the towers, and canopy work at the towers. The MPT provisions were monitored on both sides of the bridge daily for proper signage, detours, etc. per MUTCD. When work was scheduled around the clock, MPT was on a 24 hr. basis. MPT provisions include temporary concrete barriers at staging areas with warning lights; temporary/ permanent traffic signs, barricades, drums and lane-control signals; flashing arrow panels; and impact attenuators.

Manhattan Bridge Reconstruction #10, Project Safety Manager: In charge of project safety and maintenance and protection of traffic for this $180 million project. The project involved resident engineering inspection services for the North Spans of the structure. Primary elements of the work were stiffening of the main span trusses C and D; reconstructing the North Subway Framing; reconstruction of the North Upper Roadway Deck; rehabilitation of the North Approach Spans involving trusses C and D, modular deck joints, pavement, curb, railing and bridge overlay; rehabilitate the North Elevated Structures at both Manhattan and Brooklyn and the North Subway Tunnels; painting, new inspection platforms and a new north bikeway. The M&PT provisions were monitored on both sides of the bridge daily for proper signage, detours, etc. per MUTCD.

Manhattan Bridge Reconstruction #8C, Project Safety Manager: In charge of project safety and maintenance and protection of traffic for this $125 million reconstruction. The project involved paint removal and repainting of structural steel with lead abatement operations, main cable and suspension system rehabilitation, and subway floorbeam and stringer replacement on the west side of the bridge. The M&PT provisions were monitored on both sides of the bridge daily for proper signage, detours, etc. per MUTCD. When work was scheduled around the clock, M&PT was on a 24 hr. basis.

Old Baldwin Bridge Removal Connecticut, Project Manager: served as Project Manager for removal of a 1948 four-lane steel girder bridge following construction of a 2,522-foot-long (769-meter-long) precast concrete segmental replacement bridge to carry I-95, U.S. 1, and SR 9 across the Connecticut River between Old Saybrook and Old Lyme in Connecticut. His oversight of this $10 million project included supervision of the subconsultant responsible for cutting and removal of the bridge's concrete deck slabs, construction of a cofferdam for collection of substructure fragments as the concrete is broken down with jackhammers; construction of a replacement boat launch facility south of the new bridge requiring excavation and the building of a boat launching ramp, a fishing pier, and a parking lot. Demolition of the 12-span, 2,450-foot-long (747-meter-long) existing structure also involved environmental precautions to avoid disturbing the riverbed and responsible disposal of debris. Steel elements were sent to scrapyards for recycling and the concrete helped form an artificial reef to provide a habitat for marine life in Long Island Sound.

East Bridgeport Railroad facility improvement, CTDOT, Chief Inspector: chief inspector for this $18M construction project. Responsibility includes inspection supervision for various stages of construction such as excavation,,subgdade preparation,guanular fill, sub-ballast,ballast,track installation,underground and overhead utilities,foundations and extensions for the catenary structures,paving,fence installation,monitoring of waste storage areas pavement marking, signs installation and finalizing contract quantities for payment.

Connecticut Department of Transportation (ConnDOT) District 2 Bridge Replacement, Connecticut: chief inspector for a $1.5 million construction project that included the removal and replacement of superstructure and substructure, finalization of quantities, preparation of construction orders, and daily inspection.

Route 8 Rehabilitation, Litchfield to Torrington, Connecticut: chief inspector for an $11 million resurfacing and safety improvement project, including the rehabilitation of 18 bridges. His responsibilities included inspection supervision, preparation of construction orders and correspondence, finalization of quantities, and daily review of inspection.

Jose Castro
Inspector

Jose Castro is a Senior Construction Inspector with an extensive record of success overseeing all phases of construction, infrastructure, and environmental projects for state and private-sector clients.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 20

Professional Licenses/Certifications:

OSHA -10 HR Certified;

Certificate of Erosion & Sediment Control; MTA NYC Track Safety Certification

MTA-NYCT Fulton Street Transit Center, Contract A-36119, Transit Center Foundation & Corbin Building, New York, NY: Responsible for the administration and implementation of all phases of work related to the Heating, Ventilation & Air Conditioning, Electrical, Plumbing and Fire Protection (MEP) disciplines for construction of the new Fulton Street Transit Center and the rehabilitation of the historic Corbin Building. Also responsible for the oversight of all phases of work related to elevators, escalators reviewing of contractor's payment applications, shop drawings and submittals and commissioning of MEP equipment along with elevators and escalators.

New York City School Construction Authority (SCA), Various Projects, New York, NY: Project Officer for the SCA responsible for the inspection and management of various construction projects. Reviewed contractor's payment applications and submittals for accuracy insuring that the contractor meets his obligations and projects are completed on-schedule and within budget. Also responsible for tasks such as: scheduling meetings with clients as required; coordination of construction crews; Inspecting construction of waste water treatment facilities; supervising electrical upgrades; inspecting work done on NYSDOT right-of-ways, traffic pattern changes for the new Taconic Center in the Town of LaGrange; inspect new sanitary waste lines for the Town of East Fishkill's waste water treatment facility; confirming elevations of newly installed sanitary waste lines; and Verify all NYSDOT specification and regulations were adhered to.

NYS Office of General Services (OGS), Various Projects, New York, NY: Superintendent / Senior Construction Inspector for various NYS OGS projects. Responsibilities included: supervision and inspection of various forms of construction and rehabilitation; supervised emergency projects and repairs in various correctional facilities; insured that all construction phases run smoothly, efficiently and meet the standards of the State of New York; reviewed contractor's payment applications for accuracy, insuring that the contractor meets his obligations, and projects are completed on schedule; scheduled meetings with contractors and designers as required; coordinated officer coverage for the construction crews; supervised various heating jobs; supervised electrical upgrades; coordinated lead and asbestos remediation; verified Installation of exhaust fans for isolation wards; inspected construction of a waste water treatment facility; supervised environmental clean-up; inspected CCTV installation; inspected rehabilitation of fire suppression systems; inspected upgrades of existing lighting systems and incorporated emergency

lighting for egress; coordinated an emergency job to replace transformers while minimizing power interruptions.

Siemens Building Technologies: Systems Technician responsible for directly assisting the Project Manager in multiple aspects of his duties including the following: Coordinating the installation of monitoring and control devises; troubleshooting control panels, monitoring devices and created graphical designs for HVAC systems; programming and testing various HVAC systems and equipment.

Daniel Lochard, EIT

Inspector

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 26

Education: B.S. Electrical Engineering, New York Institute of Technology, NY 1988

Professional Licenses/Certifications: Engineer in Training (EIT); OSHA 30-Hour Safety Certificate

Daniel Lochard is a construction inspector with over two decades of experience in the construction industry. He has overseen construction management on major building renovation and new construction projects including the $3B construction of the Freedom Tower as well as the numerous multi-million dollar projects for the NYC Housing Authority and NYC School Construction Authority. He has experience in construction management from the pre-bid phase through final closeout.

Newark Liberty International Airport International Terminal, New Jersey: Senior Supervising Engineer supervising electrical installations for the $300 million renovation of Newark Liberty International Airport's International Building. The project consisted of the replacement of all switchgears and switchboards in two (2) sub-stations, installation of two (2) 2.8 MW emergency generators and installation of new elevators and escalators to accommodate the vertical circulation requirements. The project also included total replacement of all lighting, fire alarm and communications systems.

World Trade Center Reconstruction, New York City: As project manager, oversaw comprehensive construction management services as part of the Owner's Representative team for the $3.0 billion construction of the Freedom Tower. This state-of-the-art and LEED certified landmark skyscraper will contain office spaces for commercial and governmental entities. The challenge of constructing this building entailed coordinating all activities with construction activities of the PATH Station, WTC Memorial and WTC Museum.

Newark Liberty International Airport International Terminal, New Jersey: Conducted electrical inspections for line projects and tenant alteration projects for the Port Authority of NY & NJ, at Newark Liberty International Airport. Projects included installation of new elevators, escalators, emergency generators, switchboards and construction of new tenant spaces. Projects also included installation of CCTV systems, FAA Air Traffic Control tower high-magnification cameras and the pilot program for the Sarnoff Video Flashlight system. This modern video surveillance and monitoring system incorporated the use of multiple cameras for object recognition, 3D exploitation and analysis.

NYC Housing Authority, Various Projects, New York City: Project Manager for two (2) multi-million dollar projects for a CM/Build contract with the NYC Housing Authority. The projects consisted of exterior masonry renovations of ten (10) six-story buildings in the South Bronx and Washington Heights. Duties included the following CM responsibilities from the Pre-bid phase to the Final Completion phase: constructability reviews of preliminary scope of work, preparation of

bid packages, awarding of contracts, managed CM field staff that supervised the contractors' activities, conducted progress meetings with the client and processed payment requisitions.

NYC School Construction Authority: Managed and supervised General Construction teams on three (3) concurrent multi-million dollar construction projects. Duties included phasing and scheduling of all construction activities from the Notice-To-Proceed date to the Certificate of Occupancy, coordination of all sub-contractor activities, managing all contractual and non-contractual expenses and interfacing with the client. The projects included roof replacements, masonry restoration, electrical upgrades and playground replacement.

Alan Weddell
Inspector

Since joining Parsons Brinckerhoff, Alan Weddell has worked on three major projects. As one of the biggest public works projects in the world the Central Artery Tunnel Project, a $15-billion project in Boston, Massachusetts, consisted of the fabrication, construction and erection of 3 miles of major tunnels, bridges and seven tunnel vent buildings. For more than 12 years, Alan worked at several different positions within the QA metals group helping to oversee on-site erection and off-site fabrication of building and bridge structural steel. He also provided quality assurance inspection services at structural steel fabrication plants for railroad station rehabilitation projects for the $21 million New York City Transit/Underwriters Laboratory Worldwide Inspection Services Contract. The $1 billion Huey P. Long Bridge Widening Project for the Louisiana Department of Transportation, one of the largest transportation projects in Louisiana history. The Huey P. Long Bridge is the longest railroad and motor vehicle bridge in the U.S. This bridge consisted of fabrication including plate girders for the approaches to the main bridge, box trusses over the 2,381-foot water span, expansion joints and bridge bearings. He organized and supervised a team of quality assurance fabrication inspectors at several major bridge fabrication plants. He was also for a period of time the Parsons Brinckerhoff corporate training instructor/manager for a welding inspection training program, providing training to field engineers on Parsons Brinckerhoff projects throughout the U.S. and Puerto Rico.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 34

Education: Additional Studies: American Society for Quality Auditing Seminar; FHWA High Strength Bolts for Bridges Seminar; Hellier NDT Training School Radiographic Film Interpretation Training; Coastal NDT Inspection Training School Magnetic Particle Testing Level II Classroom Training

Professional Licenses/Certifications: American Welding Society Certified Welding Inspector with Endorsements: API 1104, AWS D1.5 Bridge Welding Code, AWS D15.1 Railroad Specification for Cars & Locomotives; American Society for Nondestructive Testing Certified ACCP Level II VT; National Association of Corrosion Engineers Certified Coatings Inspector; American Society for Quality Certified Quality Auditor ;American Concrete Institute Concrete Testing Technician-Grade I

MTA Laboratory Worldwide Inspection Services, NYC: principal supervisory inspector whose duties include:

- Performing fabricator audits prior to the start of work to ensure all required submittals are approved, welders qualified, etc.; meetings with quality control managers to review results; and providing detailed audit results to the client.
- Performing QA in-process inspection during structural steel fabrication involving welding, dimensional and coating inspections of structural steel.
- Witnessing non-destructive testing of welds and review of completed NDT reports.
- Working with the MTA Request for Inspection approval process, inspection documentation and material tracking systems.
- Receiving and processing/storing MTA fabrication approval documentation.

- Training new inspectors in the use of the MTA documentation process.
- Providing email notification to client with digital photographs of any fabrication issues.
- Providing in-process daily reports with photographs describing fabrication issues.
- Scheduling fabrication shop visits and making travel arrangements.

Huey P. Long Bridge Widening Project, LA: lead QA inspector responsible for:

- Supervising a staff of QA welding/fabrication inspectors.
- Setting up and implementing a quality assurance program to satisfy client requirements.
- Scheduling and holding bridge pre-fabrication meetings with major bridge fabricators.
- Organizing and leading weekly conference calls between fabricator and the jobsite to review progress and any quality issues.
- Performing stored material verification for payment.
- Witnessing fracture critical Welder Qualification & Welding Procedure Qualification.
- Review and approval of all fabricator required submittals prior to official submittal, including: Fracture Critical Welding Procedures, Non-Critical and Critical Repair Procedures, Heat Straightening and Cambering Procedures and NDT Technician Qualifications.
- Witnessing non-destructive testing, including UT, RT, MT and PT.
- Witnessing fabricator QC dimensional inspections on welded plate girders for camber, straightness, web flatness, tilt of flange, etc.
- Providing monthly progress photographs to on-site resident engineer.
- Providing weekly reports on inspections performed and fabrication issues to the resident engineer.
- Hold weekly meetings with fabricator management to address fabrication concerns and issues.
- Performing high strength bolting inspection, including witnessing of rotational capacity testing, installation verification testing and final installation inspection.
- Performing in-process and final coating inspection.
- Formulated and presented a welding inspection training class for project field engineers.

Central Artery/Tunnel Project (Ted Williams Tunnel), Boston, MA: welding/fabricator QA inspector for fabrication at Bethship Shipyard in MD. Responsibilities included:

- Monitoring fabricators' quality control activities during fabrication and welding to ensure compliance to approved drawings, contract requirements and AWS D1.5 bridge welding code or AWS D1.1, structural welding code, notifying engineers of any deviations.
- Witnessing fabricator non-destructive testing of completed welds.
- Signing off on final weld inspection.
- Reviewing fabricator-submitted pay packages for completeness.

James Conroy
Inspector

James Conroy's experience includes both heavy construction and contract management. He has supported numerous New York State highway, bridge, and tunnel projects. Jim's responsibilities have included supervising field inspectors, reviewing inspectors' reports, and updating the resident engineer regarding the status of field work operations.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 31

Education: A.A.S. Civil Technology, State University of New York at Farmingdale, 1978

Professional Licenses/Certifications: Maintenance and Protection of Traffic Certificate: New York State Department of Transportation (NYSDOT);

NICET Level IV, National Institute of the Certification of Engineering Technologies; ACI Concrete Field Testing Technician, Grade 1;

Occupational Safety and Health Administration (OSHA) 40-Hour Hazmat Certification

Stamford Rail Yard Rehabilitation, Stamford, Connecticut: senior construction engineer for a Connecticut Department of Transportation project consisting of an equipment maintenance building, storage tracks, and related rail yard improvements. The equipment maintenance building is a three-story 30,700-square-foot steel frame building, with tracks and pits for rail equipment repair and support shops on the main floor, and office space on two other floors. Construction includes placement of concrete, masonry walls, structural steel, steel joists, metal roof deck, trackwork, waterproofing, fireproofing, single ply roofing, roof accessories, sheet metal, doors and frames, and overhead doors, as well as interior finishes and furnishings, plumbing, fire protection, HVAC, electrical systems, lighting and communication/alarm signal systems. Storage yard work includes building demolition, trackwork, and catenary construction, grading, and drainage. Site improvements include construction of a retaining wall, paving of parking areas and walkways, perimeter fence, and site utilities. The project required removal of asbestos and contaminated soils.

Brooklyn-Queens Expressway, Broadway to 61st Street, New York, New York: chief inspector for this $123M reconstruction project. The project is the second phase of an ambitious effort being undertaken by New York State to revitalize, rehabilitate and enhance one of the busiest and most important highway links in metropolitan New York. The major work includes replacing existing seriously deteriorated pavement from 69th Street to Broadway and resurfacing the pavement from 61st Street to 69th Street; relocating northbound exit and entrance ramps from Roosevelt Avenue to Broadway; improving existing entrance and exit ramps; replacing/repairing existing retaining walls; realigning the roadway—vertical and horizontal—to improve limited stopping sight distance; replacing three bridges—Roosevelt Avenue Bridge, 41st Avenue Bridge and 70th Street Bridge over BQE; superstructure replacement of two bridges—65th Place Bridge and Queens Boulevard Bridge over BQE; rehabilitating/repairing five bridges; constructing noise walls, highway lighting, and half section barriers; and landscape work.

I-287 Viaduct Replacements, Westchester County, New York: chief inspector for the replacement of the Saw Mill River and Bronx River Parkway viaducts and associated approach roadways. These eight-lane viaducts, part of the Cross Westchester Expressway, were demolished and replaced due to the demand for enhanced vehicular capacity and safety. Removal of old foundation elements

that conflict with the new design was a major undertaking affecting the project schedule, rivers below, and the Bronx River Park. There were also main line approach modifications, enhancements to several access ramps, a bike trail, an adjacent parking facility, and construction of noise barriers and retaining walls. The contract incorporated A+B bidding and lane rental charges. Much of the work was performed at night and under active traffic conditions.

North Channel Bridge over Jamaica Bay, Queens, New York: chief inspector responsible for supervising inspectors, producing field documentation, monitoring maintenance of traffic, reviewing project materials, and progress reporting for this bridge replacement project. The 2,500-foot-long replacement bridge uses prestressed concrete construction for a six-lane span with a bicycle lane. The replacement bridge is supported with 80-foot-long, 54-inch-diameter cylindrical concrete piles, which were used for the main portions of the substructure. Construction was performed in an environmentally sensitive area, which made demolition of the existing bridge difficult.

Greenpoint Avenue Bridge, Brooklyn, New York: assistant resident engineer for a New York City consulting engineering firm on the construction of this $36 million project which included construction of a bascule bridge and towers; placement of cofferdams; driving 54-inch (1.4-meter) steel caissons; placement of tremie and structural concrete and rebar; installation of steel bascule girders and deck; excavation; installation of subbase material and finish asphalt; and the placement of a high-density concrete overlay bridge deck. He also supervised inspectors, reviewed daily reports, prepared change orders, reviewed shop drawings, and interfaced with the contractor.

Street and Roadway Construction, Various Locations: assistant resident engineer/office engineer for a consulting engineering firm on various street and roadway construction projects. His responsibilities included quality control of the contractors' work; supervising inspectors; inspection documentation; preparing change orders; and coordinating work with city agencies, the construction manager, and the contractor. Projects he supported include:

- $1 Million Roadway Rehabilitation Project, New York City: demolition and removal of parts of an existing roadway; roadway widening; and installation of sewer lines, curbs, sidewalks, and catch basins, all in Manhattan
- $8 Million Bridge Rehabilitation Project, New York City: reshaping two truss bridges in the Hunts Point section of the Bronx
- Sidewalk and Curb Rehabilitation, The Bronx, New York City

Arkady Livshatz
Inspector

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 34

Education: B.S, Mechanical Engineering. College of Construction and Engineering, Leningrad, USSR.

Professional Licenses/Certifications: OSHA 10-Hour Construction Safety

NYCDOB Recognized Scaffold Safety Challenge Training and Exam

The Greater New York Safety Council, Inc. – Fall Protection

The Greater New York Safety Council, Inc. – Labor Management Safety and Health

The Greater New York Safety Council, Inc. – Steel Erection

GWB Bus Station Redevelopment, Port Authority NY NJ TAA-0901: Project Field Engineer responsible for:

- Daily inspections for compliance with contract documents
- Inspection/observation of all construction activities on site including Civil, Structural and MEP work
- Coordinated and enforced safety requirements in accordance with PA of NY NJ and OSHA guidelines.
- Requested information, notice of non-compliance, incoming and outgoing submittals, etc.
- Maintained plans and specifications as well as daily reports of all activities on site.
- Coordinated with PA NYNJ inspectors on all phases of Construction

Life and Safety Upgrades Statue of Liberty National Monument, Liberty Island for National Park Services: Project Field Engineer/Cost Estimator responsible for:

- Daily inspections for compliance with contract documents
- Inspection/observation of installation Mechanical, Electrical and Plumbing work
- Estimated, prepared and processed change orders.
- Inspections/observation of upgrading of BAS System in National Monument
- Coordinated and enforced safety requirements in accordance with NPS and OSHA guidelines.
- Requested information, notice of non-compliance, incoming and outgoing submittals, etc
- Maintained plans and specifications as well as daily reports of all activities on site.
- Authorized and negotiated field modifications, developed schedules for coordination and access in critical areas.

Project: 59th Street Recreation Center Renovation for Department of Parks & Recreation. Capital Projects Division: Resident Engineer responsible for:

- Daily inspections for compliance with contract documents
- Inspection/observation of installation Mechanical, Electrical and Plumbing work
- Estimated, prepared and processed change orders

Sherry Samuel
Inspector

Newark Liberty International Airport Terminal B Lower Level Expansion Project: The project consists of the replacement of all switchgears and switchboards in two (2) sub-stations, installation of two (2) 2.8 MW emergency generators and installation of new elevators and escalators to accommodate the vertical circulation requirements. The project also consists of total replacement of all lighting, fire alarm and communications systems.

Newark Liberty International Airport Terminal B Mid and Upper Level Expansion Project: The project consists of renovating the departure level ticket counters, building new mezzanine level for airline offices and add ticket counters to the . The project also consists of replacing all the old electrical power panels and adding new distribution panels. The project will also replace all the old fire alarm system and add more as needed for the new areas.

Newark Liberty International Airport Terminal B Fire Alarm Upgrade: This project consists of upgrading all Fire Alarm devices in the Terminal to addressable devices, also adding devices to improve coverage and notification. The project also consists of updating Fire Finder System in Building 46 to show all devices with proper textual designations.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 11

Education: B.S. New Jersey Institute of Technology Mt. Laurel, NJ

Professional Licenses/Certifications: Maintenance and Protection of Traffic Certificate: New York State Department of Transportation (NYSDOT);

NICET Level IV, National Institute of the Certification of Engineering Technologies; ACI Concrete Field Testing Technician, Grade 1;

Occupational Safety and Health Administration (OSHA) 40-Hour Hazmat Certification

Newark Liberty International Airport Central Heating and Refrigeration Plant Replacement of High Temperature Hot Water Generators: This project consists of replacing the existing Four High Temperature Hot Water Generators with newer more efficient ones. This includes the replacement of Power and control for each one.

Newark Liberty International Airport Replacement of Switchboards at Underpass #2 substation at Flag Pole Road: This project consists of replacing two existing switchboards and conduits associated with them.

John Marecki, NACE
Inspector

John Marecki has 30 years of experience working as a Chief Inspector for the NYS-DOT, NYC-DOT, CT-DOT, NYS Thruway Authority, and MTA Bridge and Tunnels. His experience includes managing inspection staff and bridge construction (steel erection, concrete placement, and drilled shaft installation).

Pearl Harbor Memorial Bridge Replacement, I-95 New Haven, CT for CTDOT: Provided construction inspection services for this $554 million project (contract B1 and contract B). Major elements include construction of the replacement bridge, the construction of two work trestles, installation of 4 cofferdams, installation of forty-two 8ft diameter drilled shafts at the 4 main span foundations, installation of cast in place footings, columns, and caps at each pier location, installation of cast in place segmental box girder structure and cable stay. The East Approach included installation of drilled shafts (8ft and 11ft diameter), installation of columns and pier caps, installation of bearings, erection of steel girders and placement of concrete deck and LMC overlay. Responsibilities included supervision of field inspectors and support personnel.

Route 9a, West Street Promenade, Battery Place To Chambers Street For NYSDOT: Major elements of this $190 million project included: replacement of northbound and southbound roadway; landscaping a median and buffer; sidewalk construction featuring granite curbs, pavers and protective ballards at the crosswalks; installation of new traffic signals and decorative street lighting; installation of major utilities (gas, FOC, electric, water, sewer, steam).

Route 98, West Street, Battery Place to West Thames St. (South Promenade) In Manhattan for NYSDOT: Major elements of this $70 million project included: northbound and southbound lanes; a landscaped median and buffer; sidewalk construction featuring granite pavers and curbs, protective ballards at the crosswalks; installation of new traffic signals and decorative street lighting; installation of new utilities.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 30

Education: Bridge and Highway Construction Engineering School, Poland — AS

Civil Engineering College A.R.T., Poland — BS

Civil Engineering, New Jersey Institute of Technology, New Jersey

Professional Licenses/Certifications:

NICET IV

Certified Field Concrete Technician

NACE International Coating Inspectors Certificate

Member of Society of Protective Coatings (SSPC)

American Concrete Institute (ACI) — Level 1

Post-Tensioning Technician — Level 1

Grouting Technician — Level 2

NETTCP Certified Field Concrete Technician

Welding Inspector — Pending Renewal

Reconstruction Of I-87/I-287, Tappan Zee Bridge To Saw Mill River Parkway For The NYS Thruway Authority: Major elements of this $187 million project included: new roadways through environmentally sensitive wetland areas, new bridges, asphalt roadway construction, rock

blasting, retaining walls, drainage, utility relocation and noise walls. Awarded NYSSPE Project of the Year.

Stamford Railroad Station for CT-DOT: Major elements of this $98 million project work included replacement of existing bridges carrying Metro-North Railroad tracks over Washington Boulevard, lowering and widening Washington Boulevard, installation of new water mains, gas main and drainage lines. Responsibilities included recording coordination of work with Metro-North as well as other agencies and supervision of field inspectors.

Reconstruction Of Approach Viaducts To The Williamsburg Bridge For The NYCDOT: This $310 million project involved complete replacement of the south roadways for the Brooklyn and Manhattan approach viaducts. Responsibilities include supervision of erection of the structural steel interim bracing, installation of new water mains and drainage lines, removal of the lead based paint from existing structural steel members prior to demolition, installation of variable message signs, fiber optic cable for the Traffic Management System, installation of the interim signal system for New York City Transit, and coordination of lane closures on the main bridge, approaches and local city streets. Responsibilities also include coordination of work with New York City Transit and other agencies, supervision of field inspectors and support personnel, supervision of the bored in pipe piles and seismic casings, and construction of new concrete piers in the limited space between the existing steel piers. September 1995 to October 1996.

Fast-Track Rehabilitation Of The Approach Roadway Viaducts For The Cross Island Parkway To The Throgs Neck Bridge In Queens For Mta Bridges And Tunnels: This project received the Construction Management Association of America's 1995Project of the Year Award and the Concrete Industry Board, Inc.'s Award of Merit. Project work involved the removal/replacement of the viaducts, including all concrete deck slabs, armored joints, bearings (upgrade to seismic bearings), cleaning/repainting of the structural steel members, modification of bridge lighting system on ramps and under deck, replacement of on-grade subbase and asphalt payment, modification of approach roadway catch basins and miscellaneous repairs to structural steel.

Rehabilitation of the Miller Highway Viaduct, From 59th St. To 72nd St. In Manhattan For NYSDOT: This $70 million project included the installation of bored-in pipe piles for the two new approach ramp construction and attachment of the new concrete columns to the existing caissons. Also involved the complete deck replacement and structural rehabilitation of the elevated portion of the West Side Highway. This project was the first project in New York State that utilize a movable barrier for maintenance and protection of traffic. This allowed added capacity in the peak travel direction during the morning and evening rush hours. Project work consisted of steel viaduct and concrete roadway rehabilitation. Specific construction operations of this project included structural concrete placement, sidewalk, curbs, concrete road base, asphalt wearing course, electrical, traffic signalization, structural steel, water services, drainage installation and other related work.

David Bell

Inspector

Mr. Bell is a degreed Civil & Environmental Engineer with 4 years of experience. He is currently serving as a consultant Office Engineer/Financial Coordinator for the Port Authority in the Journal Square Transportation Center (JSTC) located in Jersey City, NJ. Mr. Bell is enthusiastic and energetic, with the ability to work in either a team-oriented or an independent setting. He has gained valuable knowledge and experience concerning proper medium to large sized project management while maintaining good client relationships. He is personable and understands human behavior as it applies to leading and motivating others. Mr. Bell has excellent organizational skills and is highly effective with both oral and written communications. He is able to understand the nature and process of solving problems by recognizing the problem, developing alternatives, and making decisions to reach the best solutions. Mr. Bell is proficient with the following computer programs: SAP, Primavera Contract Manager, WinTrak, Field Automated Communication Systems (FACSware), Integrated Project Management Information System (iPMIS), CapEx Manager, Microsoft Word, Microsoft Excel, Microsoft Office, Matlab, Minitab, and AutoCad.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 4

Education: B.S., Civil & Environmental Engineering, Bucknell University, 2010

Professional Licenses/Certifications: OSHA 10-hour Construction Safety and Health Course, taken February 24, 2011

OSHA Fall Protection Course, taken May 18, 2011

Port Authority Trans-Hudson (PATH) Multiple Projects:

- PAT 024.027: PATH Hoboken Corridor Modernization Improvements
- PAT 024.038: PATH Replacement of Switching Station No. 6
- PAT 024.089: Harrison Station Abatement of Existing Buildings
- PAT 084.003: PATH Train Control and Communications System Installation
- PAT 214.004: PATH JSTC Bus Terminal Escalator Replacement
- PAT 624: PATH Police Command Facility
- PAT 624.154: PATH Replacement & Upgrade of Christopher St. Substation
- PAT 628: Tunnel E&F Interior Strengthening and Water Management and Equipment Control Systems
- PAT 631: PATH Asbestos & Lead Abatement Via Work Order NY & NJ Facilities
- PAT 632: Chemical Grouting Via Work Order
- PAT 633A: PATH Corporation NY & NJ Facilities-Building and Site Improvement Via Work Order
- PAT 635: PATH Corporation-JSTC 2nd Floor Computer Equipment Room Cooling System
- PAT 640: PATH Building, Site and Track Improvements Via Work Order
- PAT 643: Cleaning Operations in Tunnels E & F to Remove Surface Salt from Hurricane Sandy
- PAT 924.003: PATH Running Repair Shop Replacement of Boilers
- PAT 924.102: PATH Corporation-Portal Backus Substation No. 5 Roof Rehabilitation
- PAT 924.103: Hackensack River Bridge Deck and Rail Replacement
- PAT 935.001: NY & NJ Facilities Immediate Repairs

The Port Authority of New York & New Jersey: Engineering Office Manager. The Port Authority of New York & New Jersey conceives, builds, operates and maintains infrastructure critical to the New York/New Jersey region's trade and transportation network. These facilities include the PATH rail transit system. The PATH system is undergoing an extensive modernization program that will bring it into the 21st Century using the latest technology while continuing to provide customers with reliable and safe service. Current PATH projects range from modernization improvements and equipment upgrades to interior strengthening and water management. I am responsible for a wide range of PATH office duties within the Journal Square Transportation Center (JSTC) located in Jersey City, NJ. My primary role is to manage the financial budgeting of many (30+) ongoing PATH projects, aiming for good financial performance. I coordinate between the Engineer of Construction and the Resident Engineers to ensure that no project runs over the authorized budget. I am also responsible for the following tasks: Contract payments, Net Cost Conversions, Change Order processing, monthly reports, internal auditing, T&M Ticket organization and entry, etc.

New Jersey Turnpike Authority (NJTA): Office Engineer; Inspector. The $2.5 billion NJ Interchange 6 to 9 Turnpike Widening Program will expand the turnpike from six lanes to 12 lanes from a point approximately 2 miles South of Interchange 6 to the existing 10-lane dual-dual roadway South of Interchange 8A. This will require adding a new 3-lane roadway in each direction for a 25-mile section of the Turnpike (Milepost 48 to Milepost 73). The result will be a dual-dual facility (3 "cars/trucks/buses" lanes and 3 "cars only" lanes in each direction). A third lane will be added to the "cars/trucks/buses" lanes (outer roadways) of the 10-lane dual-dual roadway between Interchanges 8A and 9. This will require adding 1 new lane to the existing "cars/trucks/buses" lanes in each direction for a 10-mile section of the Turnpike (Milepost 73 to Milepost 83). Connections to interchanges and service areas will be improved by relocating and expanding the Interchange 8 Toll Plaza and associated ramps as well as widening the existing Interchange 7A Toll Plaza.

Bashir Ahmad

Inspector

Syed Ahmad is a chief construction inspector with more than 30 years of experience in project and construction management, quality assurance, field and laboratory testing, construction inspection supervision of major highways, and airport and bridge rehabilitation projects.

Highlights

Firm: Parsons Brinckerhoff

Years of Experience: 40

Education: B.S., Osmania University, India, 1959.

Professional Licenses/Certifications:

NICET: Level IV Certification

OSHA: Certified-Construction Safety, Health & Lead Abatement

NYSDOT: Traffic Control of Construction & Maintenance Operations

AIRPORT: Certification – 14 CFR, Part 139

PATH/AMTRAK/MONORAIL: "On-Track" Safety Training

Port Authority of New York and New Jersey (PANYNJ) CM On-Call Services Contract, New York/New Jersey: provided construction management on projects for rehabilitation, renovation and construction of the Port Authority's rail, aviation, bus, and tunnel and bridge facilities. Provided construction management and construction inspection of civil, structural, mechanical, and electrical construction activities at the Authority's facilities.

World Trade Center Transportation Hub and Other Site Projects, New York, New York: providing professional construction management services associated with the World Trade Center Transportation Hub and other construction projects at the World Trade Center site. Services include coordination of all on site construction activities with each of the stakeholders. Major project elements include the $2 billion WTC Transportation Hub and the $250 million east bathub structural support system. Other site projects during the first phase of the site reconstruction include the security center, central plant, WTC memorial, WTC cultural center, WTC Performing Arts Center, the Freedom Tower, and Tower 2.

World Trade Center Projects, New York, New York: responsibilities included the protection of several impacting areas of the World Trade Center and PATH during the reconstruction of the West Side Highway.

Newark Liberty Airport, Newark, New Jersey: field engineer and project coordinator for construction management on various multi-discipline airport, railroad and roadway projects. Syed performed inspection to assure compliance with plans and specifications, with utmost important to safety and traffic concerns. He was also responsible for coordination with different agencies.

I-278 Bruckner Expressway and Ramps Reconstruction, Bronx, New York: chief inspector in charge of field operations and personnel. This $80 million three-mile-long project with 260 spans (includes 8 ramps) extends from Triboro Bridge interchange to Sheridan interchange. The project involved deck rehabilitation with micro-silica overlay; pier repair, replacement of elastomeric bearings; drainage; electrical and Class "A" containment painting.

Hutchinson River Parkway Bridge Reconstruction, Bronx, New York: chief inspector in charge of all field operations and supervision of engineering inspection staff for this $30 million project. The project involved rehabilitation of continuous girders, floor beams, superstructure members and abutments. Bascule machinery was rebuilt and electrical elements were replaced. The 700-foot-long bridge consists of six fixed spans and two double leaf bascule spans. Syed was fully conversant with Class "A" containment system specifications, guidelines, and inspection methods for pain and asbestos removal.

Reconstruction of Westbound BQE and Gowanus Expressway Merge, Brooklyn, New York: senior inspector for the reconstruction involving demolition of the existing three barrel bridge and its replacement with a three-lane, multi-span composite girder viaduct having a length of approximately one half-mile as well as a 450-foot-long, three-span bridge also of composite construction.

Roadway Reconstruction, Staten Island, New York: chief inspector for water main; pile support storm and sanitary sewers, fire communication facilities, landscaping, traffic signals, maintenance, and protection of traffic and roadway work. He also acted as resident engineer.
BQE Highway and Bridge Rehabilitation, Brooklyn, New York: as senior inspector, Syed performed inspection to assure compliance with plans and specifications for the following operations: removal and replacement of structural concrete, sub-grade approval, concrete pavement, asphalt placement, maintenance and protection of traffic. The project involved the rehabilitation of several bridges and approach roadways.

Highway and Bridge Rehabilitation on Belt Parkway, Brooklyn, New York: senior inspector in charge of soils operation for detour road construction. He established soils laboratory and trained inspectors. Syed also performed engineering inspection for removal and placement of structural concrete; pile driving; drainage, and basic maintenance and protection of traffic.

Roadway Reconstruction Project, Frelinghuysen Avenue, Newark, New Jersey: project/office engineer responsible for interpreting job specifications, scheduling daily work, verification of quantities and record keeping for estimates. Syed also prepared change orders and contract claims.

Westway Project, New York: assistant project manager primarily involved in contract administration (cost and scheduling, weekly progress reports, scope of work, etc) records management, hiring of personnel and office administration. Syed directed and maintained complete control of project budget. He also assisted the project manager with planning control, coordination, and quality assurance aspects of the interdisciplinary geologic and geotechnical studies.

Alexander Zajac, PE
Civil/Structural

Mr. Zajac has more than 35 years of design experience as well as all phases of construction inspection and supervision.

Highlights

Firm: Hirani/Municipal Testing
Years of Experience: 35
Education:
BS, Civil Engineering, Polytechnic Institute of New York, 1979
Professional Registrations:
Professional Engineer, New York, 66907-1
AWS CWI Welding Inspection Seminar
SSPC Training for De-Leading of Industrial Structures
New York University School of Continuing Education - Certificate in Building HVAC Design and Certificate in Building Electrical Design

Condition Survey of 4 Parking Garages Bldgs. At JFK Airport, Queens, NY: Senior Structural Engineer. Conducting a visual condition survey of the existing parking deck, ramps and pedestrian bridges. Elements being inspected include top and bottom of decks, pavement, exposed portions of concrete tee beams and planks.

15 Bay Street, Bellmore, NY: Performed structural inspection and prepared repair drawings for storm damages related to Hurricane Sandy for two story residence.

21 East Main Street, Oyster Bay, NY: Conducted structural condition survey for a two story, 10,000 sq. ft. retail structure specifically: severely, deteriorated, collapsed and shored basement wood framing. Designed new steel framing and footings to correct and improve the structure.

Barnyard Restaurant, Totowa, NJ: One story steel framing addition over an existing 30,000 sq. ft. restaurant. Preliminary structural design. Performed the inspection and prepared the Bridge Rehabilitation Plan Report (BRPR) for the single span, double deck, steel plate girder bridge at W. 79th Street Boat Basin Structures over Amtrak, carrying W. 79th St., under the Henry Hudson Pkwy. Conducted the inspection and prepared the inspection report and repair drawings for the under deck traveler at the George Washington Bridge lower level. Team leader performed bridge inspection for the URS team , as part of a joint venture for the Interim Inspection and Critical Monitoring of the Gowanus Expressway, I-278

Triborough Bridge: Queens Approach,Performed engineering and construction logistics planning for bridge contractors, (i.e., erection of Inverset deck panels .

LIRR Main Line Branch: Project engineer for a seven bridge rehabilitation. The bridges varied in size from 3 spans to 47 spans and required field inspection, shoring, bridge seat and bearing design, waterproofing, concrete under deck and steel framing rehabilitation.

Cross Bay Blvd. Bridge: Project engineer/team leader for the 1997 NYS Biennial and Special Inspection. The Special Inspection included coring, GPR and ultrasound inspection of the deck and the superstructure to determine prestressing tendon locations and deck deterioration.

NYC Region 11, JFK Airport Terminal Bridges, Newark Airport and Port Newark Bridges and NJ Turnpike District #8 Bridges: Team leader for the Biennial Inspections.

Pennsylvania Station, NY: Supervised the structural condition survey required for the feasibility study for the realignment of railroad track and structural framing to accommodate the Extension of Platform #11. Designed the shoring and structural modifications for the West End Concourse

Pedestrian Bridge and the Liberty State Park Museum of Science & Technology, NJ. Planned the erection of the 20t precast pre-stressed concrete beam superstructure using 200t and 500t cranes ($30 million, 4 story, 200,000 sq. ft.). Prepared drawings and calculations for construction logistics and erection sequencing.

North River Water Pollution Control Project (W.P.C.P.): West of the Henry Hudson Pkwy at145th St. Designed the structural steel bases to secure (3) Kodiak, hammerhead tower cranes to the building structure.

Review of Construction Equipment Loadings on Pennsylvania Ave. Overpass at the Belt Pkwy, Brooklyn, NY: Non-redundant, two span, steel, through-girder bridge) for the contractor, in conformance with AASHTO, as required by NYSDOT.

56 Hester Street, Manhattan, NY: Developed the scheme to erect a 3 story addition on top of an existing 5 story building by placing an 18t rough terrain crane on top of the roof of the building with a 250t hydraulic crane.

197 East Post Road, White Plains, NY: $175,000, 10,000 sq. ft. "design-build" project requiring coordination of architectural services and mechanical/electrical contractors.

Dipak Upadhyaya, ICC
Inspector

Mr. Upadhyaya has over 30 years of experience in all phases of civil engineering and construction from pre-project activities to project completion. He has provided special inspection services on numerous facilities throughout New York City since joining Hirani in 2012. Noteworthy projects include LaMarqueta Building 3, American Airlines Terminal 8 and Décor Planet.

Highlights

Firm: Hirani/Municipal Testing
Years of Experience: 30
Education: Bachelor's Degree in Civil Engineering
Professional Registrations:
CWI & ICC Special Inspector - Structural Welding and Bolting, ACCP Level II
NICET IV – Bridge Inspection;
NICET II – Highway Construction
OSHA 10/30

Senior Project Engineer (QA/QC): Provided engineering and project management, quality control and quality assurance services major projects.

- NJ Transit –Hoboken Train Station Building, Maintenance Building, Train Shed, Ferry Terminal
- Metropolitan transportation authority of NY. – Penn Station Building, NY
- Montclair State University – New Student Complex, Administration Building, Theater Building
- New Jersey Institute of Technology – Architectural School Building, Student Center, Fenster Hall
- Drew University – Administration Building
- Merck & Co. – MOSF & MOS Buildings
- NJSSC School Construction

PSEG, NJ. Hudson Generation Station: Responsibilities include review of drawings and overlooking the construction activity of reinforced concrete foundations, deep foundations. Quality assurance of ongoing work.

Resident Engineer: In this position, I was responsible for managing projects from conceptual to completion and fully operational of all aspects of:

- Effluent Treatment Plant for dyes, chemicals, and intermediates for Atul Products
- Pesticide effluent treatment Plant for Cyanamid

Senior Project Manager: Attended training in ABB Germany for basic and application engineering, erection and commissioning of the project, network management, supervisory control and data acquisition, setting general safety and protection system.
Coordinated and produced project from the site review to the commissioning of the power 450 MW power plant, which includes three number of gas turbine and one number of steam
Senior Project Engineer: Involved into design and construction of projects on turnkey basis. Major projects successfully completed as a project manager, include:

- Textile Mills
- Research Lab.

- UN Administration office
- Multistoried building
- Main Waterline for the city

Project Manager: Involved in heavy industrial construction and management for Zambia consolidated copper mines. Provided Project engineering and technical support to Zambia Consolidated Copper Mines including: project development, scoping, equipment selection, project bidding, contractor selection, construction oversight, and management of safety and environmental activities as a full project engineer.

Site Engineer: Became a part of NDDB's engineering services group providing technical assistance and engineering inputs for the execution of the projects including setting up dairy plants, chilling centers, cattle feed plants, and milk packaging industry. Assisted in pre-project activities, preparation of conceptual planning and detail engineering of the project and project management up to commissioning. Projects includes: Ajmer Dairy Project. Ajmer Cattle feed plant, Paper Laminating Plant.

Michael Ninnisai, PE, ICC

Inspector

Mr. Ninnisai has 29 years of engineering experience in the US and abroad. He has provided services on projects for NYCDEP as well as airlines, mass transit, commercial buildings, public schools, bridges and highways.

Highlights

Firm: Hirani/Municipal Testing
Years of Experience: 29
Education: ME, Structural Engineering, The City College of The City University of New York, 2014
BE, Civil Engineering, King Monkut's University of Technology, Bangkok, Thailand, 1989
Professional Registrations:
Professional Engineer: New York and Connecticut
ICC Special Inspector - Structural Welding and Bolting
OSHA:
Construction Safety and Health
NYC DOB 4-Hr Scaffolding User
NYC DOB 32-Hr Rigging

DEP Engineering Auditor, DEP, New York, New York: Senior Civil/Structural Engineer. Reviewing and approval of change order requests and drawings for registration on NYCDEP sewer and water treatment plant projects ranging from a few thousand to multi millions. Checking cost estimates based on lump sum or time and material basis. Monitored partial payment of change orders.

Project Manager/Estimator: Project Management and estimating for steel structure and fabrication for American Airline Terminal at JFK International Airport; 405 West 53rd Street, NYC; 103-105 Norfolk Street, Brooklyn.

New York MTA Train Station Rehabilitation: Structural Engineer. Works included rehabilitation above ground train station platforms, public stairs, handrails and all miscellaneous items.

Estimator/Quantity Surveyor: on a wide variety of construction projects which included commercial buildings, public schools and institutions, and residential buildings. Projects included Irvington Union Free School District, PS 93X, PS 100X, Isaac E. Young Middle School, JFK Elementary School.

Bangkok Mass Transit System: Project Manager/Structural Engineer. Design and construction of an elevated heavy rail system including 25 stations, depot, and administration building, Bangkok, Thailand

Construction of Central Plaza Pinklao Project: Project Engineer. Works included a shopping plaza and a 28-floor hotel building with two underground basements, Bangkok, Thailand

The construction of The Stock Market Exchange of Thailand Building: Project Engineer. Sintorn Tower Extension Building for the stock market exchange of Thailand. Works included 32 stories building and 6 levels of car parking basement underneath ground water table level, Bangkok, Thailand.

Laurence Ford, PE, ICC
Inspector

Mr. Ford is a Licensed Professional Engineer with 40 years' experience. He has worked as a Licensed Code Enforcement for New York State, municipal engineer for a town in NJ, in the Civil Engineering Dept. for a consultant and Chief Engineer for Empire State Development. He was also employed by NYCDEP and was responsible for overseeing the construction for all public work improvements, which includes demolition, shoreline reconstruction, infrastructure installation, roadway and curb installation and park construction along the East River in Queens, NY. For the last 13 years Mr. Ford ran the Queens West project. At any given time there was up to 4 contractors on-site in addition to the building developers, coordination was only part of the work. Overseeing all construction, inspection of work after completion, making field changes on the fly and obtaining all requisite approvals. Also packaged plans and spec for bidding in accordance with state contract law for all contracts. In the 1980's, due to contamination of groundwater he was responsible for the design and construction of 37 miles of water main, 1 million gallon ground storage tank and associated water treatment.

Highlights

Firm: Hirani/Municipal Testing
Years of Experience: 34
Education: Bachelor's Degree in Civil Engineering
Professional Registrations:
CWI & ICC Special Inspector - Structural Welding and Bolting,
ACCP Level II
NICET IV – Bridge Inspection;
NICET II – Highway Construction
OSHA 10/30

Special Inspections – City Tech at Tillary Street: Inspection of steel foundation and mechanical system.

Chief Civil Engineer, Empire State Development New York City, New York: As mentioned above, ran the Queens West Project. Was owners rep, chief engineer, remediation engineer, SWPPP engineer and inspector.

Sr. Civil Engineer, New York State Urban Development Corp New York City, NY: Oversaw construction of the first park in Queens West. Work included review of all consultant work and attend meetings on the Buffalo Inner Harbor Project (now Erie Canal Harbor). Obtaining local approvals for Amended Drainage plans from NYCDEP.

Civil Engineering Dept. Head, Bienstock and Lucchesi Amityville, NY: Ran the civil engineering dept. of the firm. Completed structural analysis of 12 dam's upstate, New York as required by NYSDEC. Oversaw 5 engineers in dept. Scheduled time and complied cost estimates.

Sr. Civil Engineer, Livestock and Luchessi Amityville, NY: Was the municipal, planning board, zoning board and utilities authority engineer. Was responsible for all engineering work within township.

Yan Huang, PE

Inspector

Mr. Huang has 7 years of engineering experience in such increasingly responsible positions as Engineer, Project Engineer and Senior Project Engineer.

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 7

Education: MS Structural Engineering, Mechanics and Materials, University of California, Berkeley, 2007

BS, Civil Engineering, University of Notre Dame, 2006

Professional Registrations:

SE Illinois, PE New York & California

PANYNJ Call-In Security Program Management Services, NY/NJ: project executive providing expert professional program management services for the PANYNJ's 5-year, $500 million Security Capital Program. Working directly with PANYNJ personnel, George is responsible for a team of consultant staff involved in managing, coordinating, scheduling and monitoring the design, systems integration, and construction phases of the agency's Security Capital Program. Under George's leadership, the PANYNJ extended Parsons Brinckerhoff's contract for another 5 years, and the overall program now includes in excess of $1.1 billion in projects. Program elements include asset strengthening at PANYNJ facilities including airports, bridges, tunnels, marine terminals, and transit rail; operations and security command and communications centers, intercommunication and public address systems; multi-technology access credentials and integrated CCTV; and integrated perimeter security, including fencing, barriers, detection, deterrent/notification/apprehension assistance technologies. He is also in charge of developing and implementing project procedures and control systems to allow PANYNJ managers to advance the Security Program forward in a coordinated fashion.

NYC Build It Back, NYCEDC: Project Manager. Scope of work includes Provide land surveying, special inspections, engineering and architectural services for lifting residential homes.

Rehabilitation of Spalling Concrete at the Brooklyn Army Terminal, NYCEDC: Project Manager. Services included inspection and documentation of building facade defects, Investigating and determining the cause of water infiltration into existing building basements; Preparation of contract documents detailing the necessary repairs for public bidding.

Project in Staten Island, NY: Lead engineer in charge of all structural analysis and design of this 900,000sf project. Included a 12 story concrete hotel with a 2-story steel retail structure, which sits on a 3-story concrete parking lot. Project is under design with 50% CDs recently issued

Project in Midtown East, New York, NY: Lead engineer in charge of all structural analysis and design of the 57 story concrete high rise tower. Analysis and design of the structural lateral system using ETABS. Additional finite element analysis of concrete slabs and foundations using SAFE. Strut and tie modeling and design of outrigger walls. Project is currently under construction

Project in Midtown East, New York, NY: Lead engineer in charge of all structural analysis and design of the concrete building. Structure involved the addition of 14 stories onto an existing 19-

story incomplete tower. Numerous renovation designs include cutting and removing a column and shear wall at the base of the building (both elements support the full height of the existing structure)

Metro-North Power System Upgrade, Systemwide: during his tenure as Metro-North's assistant director of construction management, George served as project manager of a $250 million program that involved construction of 32 substations, replacement of 300 miles of contract rail, construction of 3 signal power generating stations, and installation of new power control and SCADA systems. The program consisted of six major construction contracts ranging from $10 million to $80 million, all completed on time and within budget.

Mid-Harlem Station Improvements, New York, NY: was instrumental in formulating a recovery plan for this $30 million design/build fast-track project, which was behind schedule and claims oriented. George instituted a partnering agreement with the contractor that resulted in a reduction in claims and 6-month schedule improvement. The project involved construction of improvements at eight stations, including new 12-car platforms, pedestrian overpasses, elevators, and ADA compliance.

William Castaneda, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers			✓
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys			
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials			
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	Site Storm Drainage Disposal & Detention Facilities			
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			✓
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density			

Highlights

Firm: Hirani/Municipal Testing
Years of Experience: 9
Education/Training:
American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Construction Special Inspector

International Code Council (ICC):

Structural Masonry Special Inspector, Issued: 12/29/09

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

Nikhil Chintanippu, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers		✓	
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys		✓	
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials		✓	
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)			
FPS & FRC	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
PMS	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast		✓	

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 9

Education/Training:

Masters in Civil Engineering – CCNY (05/2009)

BS in Civil Engineering, NIT – Silchar, India (2005)

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Construction Special Inspector

International Code Council (ICC):

Structural Masonry Special Inspector

4-Hour User Scaffold Safety Training

10-Hour OSHA

SMCO	Concrete Batch Plant Technician			
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	BC 1704.4 - Prestressed Concrete		✓	
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction		✓	
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations		✓	
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation		✓	
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			
SMCO	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			
SMCO	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			

Wilmar Jaramillo, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers			✓
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys			
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials			
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	Site Storm Drainage Disposal & Detention Facilities			
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	Concrete - Cast-in-place & Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			✓
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density			
SMCO	Soils Investigations			

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 7

Education/Training:

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Construction Special Inspector

International Code Council (ICC):

Structural Masonry Special Inspector

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

SMCO	Pile Foundations & Drilled Pier Installation			
SMCO	Pier Foundations			
SMCO	Underpinning			
SMCO	Structural Safety - Stability & Mechanical Demolition			
SMCO	Seismic Isolation Systems			

Danilo Guilas, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers		✓	
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys		✓	
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials		✓	
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	Site Storm Drainage Disposal & Detention Facilities		✓	
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry			
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density		✓	

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 7

Education/Training:

Bachelor of Science in Civil Engineering

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Special Inspector

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

SMCO	Soils Investigations		✓	
SMCO	Pile Foundations & Drilled Pier Installation		✓	
SMCO	Pier Foundations		✓	
SMCO	Underpinning		✓	
SMCO	Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	Seismic Isolation Systems		✓	

Ho Won Kim, ICC
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)			
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum		✓	
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			✓
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			✓
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast			

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 9

Education/Training:

International Code Council (ICC):

Structural Steel & Bolting Special Inspector

Structural Welding Special Inspector

American Welding Society (AWS):

Certified Welding Inspector, CWI #: 0012043

4-Hour User Scaffold Safety Training

SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)			
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704,4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations			
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

Michael Neil, ACI, ICC
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers		✓	
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys		✓	
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials		✓	
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	Site Storm Drainage Disposal & Detention Facilities		✓	
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	Prestressed Concrete			
SMCO	Masonry		✓	
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density		✓	
SMCO	Soils Investigations		✓	

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 14

Education/Training:

Bachelor of Science in Civil Engineering

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Special Inspector

International Code Council (ICC):

Spray-Applied Fireproofing Special Inspector

Structural Masonry Special Inspector

National Institute for Certification for Engineering Technologies

CMT Soil Level II

CMT Asphalt Level II

CMT Concrete Level II

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

SMCO	Pile Foundations & Drilled Pier Installation		✓	
SMCO	Pier Foundations		✓	
SMCO	Underpinning		✓	
SMCO	Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	Seismic Isolation Systems		✓	

Olusola Olatunbosun, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers			✓
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys			
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials			
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	Site Storm Drainage Disposal & Detention Facilities			
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician			✓
SMCO	Prestressed Concrete			
SMCO	Masonry			
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density			

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 13

Education/Training:

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Special Inspector

National Institute for Certification for Engineering Technologies

CMT Soil Level II

CMT Asphalt Level II

CMT Concrete Level II

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

SMCO	Soils Investigations			
SMCO	Pile Foundations & Drilled Pier Installation			
SMCO	Pier Foundations			
SMCO	Underpinning			
SMCO	Structural Safety - Stability & Mechanical Demolition			
SMCO	Seismic Isolation Systems			

Mark Pantke, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			✓
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place & Precast			

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 13

Education/Training:

Bachelor of Science in Meteorology

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Special Inspector

Concrete Lab Testing Tech Grade I & II

Aggregate Field Testing Technician

Aggregate Lab Testing Technician

MTA Track Safety Trained – 09/19/13

SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			✓
SMCO	BC 1704.7.4 - Soils Investigations			✓
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

Sanjaya Parajuli, ICC
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems		✓	
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities		✓	
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum		✓	
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			✓
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			✓
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place &			

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 9

Education/Training:

Bachelor of Science in Mechanical Engineering

International Code Council (ICC):

Structural Steel & Bolting Special Inspector

Structural Welding Special Inspector

American Welding Society (AWS):

Certified Welding Inspector

American Society for Nondestructive Testing

ACCP NDT Level III in UT, RT, MT, PT, VT

4-Hour User Scaffold Safety Training

	Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)			
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations			
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

John Higgins, PE
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)	✓		
GBC	BC 1704.24 - Chimneys	✓		
GBC	BC G105 - Flood Hazard Mitigation	✓		
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings	✓		
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials	✓		
FPS & FRC	BC 1704.14 - Smoke Control Systems	✓		
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems	✓		
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems	✓		
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)	✓		
PMS	BC 1704.15 - Mechanical Systems	✓		
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems	✓		
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities	✓		
PMS	BC 1704.23 - Heating Systems	✓		
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel	✓		
SMCO	Non-Destructive Testing Technician (all fields)	✓		
SMCO	BC 1704.4 - Concrete - Cast-in-place &	✓		

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 9

Education/Training:

NY State Licensed Professional Engineer - 082482

MBA – West Virginia University

Bachelor of Science in Mechanical Engineering, Stevens Institute of Technology

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

	Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)			
SMCO	Concrete NDT Technician	✓		
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry	✓		
SMCO	BC 1704.6 - Wood Construction	✓		
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			
SMCO	BC 1704.7.4 - Soils Investigations			
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems	✓		

Stanford Pereira, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	Wall Panels, Curtain Walls & Veneers		✓	
GBC	Ext Insulation Finish Systems (EIFS)			✓
GBC	Chimneys		✓	
GBC	Flood Hazard Mitigation			
GBC	Photoluminiscent Exit Path Markings			✓
FPS & FRC	Sprayed Fire-resistant Materials		✓	
FPS & FRC	Smoke Control Systems			
FPS & FRC	StandPipe/Sprinkler Systems			
FPS & FRC	Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	Emergency Power Systems (Generators)		✓	
PMS	Mechanical Systems			
PMS	Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	Site Storm Drainage Disposal & Detention Facilities		✓	
PMS	Heating Systems			
SMCO	Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	Steel - Erection & High Strength Bolting			
SMCO	Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	Concrete - Cast-in-place & Precast		✓	
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 11

Education/Training:

Bachelor of Science in Civil Engineering

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Special Inspector

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

SMCO	Prestressed Concrete			
SMCO	Masonry			
SMCO	Wood Construction			
SMCO	Soils - Site Preparation			
SMCO	Soils - Fill Placement, In-place Density		✓	
SMCO	Soils Investigations		✓	
SMCO	Pile Foundations & Drilled Pier Installation		✓	
SMCO	Pier Foundations		✓	
SMCO	Underpinning		✓	
SMCO	Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	Seismic Isolation Systems		✓	

Mircea Petrescu, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers		✓	
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys		✓	
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials		✓	
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems		✓	
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems		✓	
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities		✓	
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel		✓	
SMCO	Non-Destructive Testing Technician (all fields)		✓	
SMCO	BC 1704.4 - Concrete - Cast-in-place &		✓	

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 14

Education/Training:

Masters in Structural Engineering

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

Concrete Special Inspector

National Institute for Certification for Engineering Technologies

CMT Soil Level II

CMT Asphalt Level II

CMT Concrete Level II

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

	Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician		✓	
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry			
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density		✓	
SMCO	BC 1704.7.4 - Soils Investigations		✓	
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation		✓	
SMCO	BC 1704.9 - Pier Foundations		✓	
SMCO	BC 1704.9.1 - Underpinning		✓	
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition		✓	
SMCO	BC 1707.8 - Seismic Isolation Systems		✓	

Stephen Latus, PE, ACI
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers	✓		
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)	✓		
GBC	BC 1704.24 - Chimneys	✓		
GBC	BC G105 - Flood Hazard Mitigation	✓		
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings	✓		
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials	✓		
FPS & FRC	BC 1704.14 - Smoke Control Systems	✓		
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems	✓		
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)		✓	
PMS	BC 1704.15 - Mechanical Systems	✓		
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems	✓		
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities	✓		
PMS	BC 1704.23 - Heating Systems	✓		
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel	✓		
SMCO	Non-Destructive Testing Technician (all fields)	✓		
SMCO	BC 1704.4 - Concrete - Cast-in-place &	✓		

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 26

Education/Training:

B.S. / Civil Engineering ~ Manhattan College; Riverdale, New York

New York State Licensed Professional Engineer

AWS Certified Welding Inspector (expired June 2009)

Pile Dynamics, Inc. PDA Certification

NYSDOT Asphalt Field Inspection

American Concrete Institute Level 1 Technician

Troxler Certified Radiation Safety Officer

Q/C Resource nuclear density gauges

FACE F-Number System (Flatness and Levelness)

James Instruments Windsor probes, and Windsor Penetrometer.

	Precast			
SMCO	Concrete Batch Plant Technician	✓		
SMCO	Concrete Field Technician (ACI I)	✓		
SMCO	Concrete NDT Technician	✓		
SMCO	BC 1704.4 - Prestressed Concrete	✓		
SMCO	BC 1704.5 - Masonry	✓		
SMCO	BC 1704.6 - Wood Construction	✓		
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation	✓		
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density	✓		
SMCO	BC 1704.7.4 - Soils Investigations	✓		
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation	✓		
SMCO	BC 1704.9 - Pier Foundations	✓		
SMCO	BC 1704.9.1 - Underpinning	✓		
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition	✓		
SMCO	BC 1707.8 - Seismic Isolation Systems	✓		

Daniel Ridulfo, ACI, ICC
Inspector

QUALIFICATIONS				
GBC - General Building Construction FPS & FRC - Fire Protection Systems & Fire-Resistant Construction PMS - Plumbing & Mechanical Systems SMCO - Structural Materials & Construction Operations		PRIMARY	SUP. ALT. 1	SUP. ALT. 2
GBC	BC 1704.10 - Wall Panels, Curtain Walls & Veneers			✓
GBC	BC 1704.12 - Ext Insulation Finish Systems (EIFS)			✓
GBC	BC 1704.24 - Chimneys			
GBC	BC G105 - Flood Hazard Mitigation			
GBC	1 RCNY1026-01 - Photoluminiscent Exit Path Markings			✓
FPS & FRC	BC 1704.11 - Sprayed Fire-resistant Materials			
FPS & FRC	BC 1704.14 - Smoke Control Systems			
FPS & FRC	BC 1704.21/22 - StandPipe/Sprinkler Systems			
FPS & FRC	BC 1704.25 - Firestop, Draftstop & Fireblock Systems			
FPS & FRC	BC 1704.13 - Emergency Power Systems (Generators)			
PMS	BC 1704.15 - Mechanical Systems			
PMS	BC 1704.16 - Fuel-Oil Storage & Fuel-Oil Piping Systems			
PMS	BC 1704.20 - Site Storm Drainage Disposal/Detention Facilities			
PMS	BC 1704.23 - Heating Systems			
SMCO	BC 1704.17/18/26 - Welding: Steel HP Steam & Gas Piping, Aluminum			
SMCO	BC 1704.3.2/3.3 - Steel - Erection & High Strength Bolting			
SMCO	BC 1704.3.2.4 - Structural Cold-formed Steel			
SMCO	Non-Destructive Testing Technician (all fields)			✓
SMCO	BC 1704.4 - Concrete - Cast-in-place			

Highlights

Firm: Hirani/Municipal Testing

Years of Experience: 8

Education/Training:

American Concrete Institute (ACI):

Concrete Field Testing Technician Grade I

4-Hour User Scaffold Safety Training

10 Hour OSHA - Occupational Safety & Health Training

Q/C Resource Nuclear Safety Training

NETTCP Soil and Aggregate Certificate

Certified by Municipal Testing Laboratory as an NDT Technician ASNT Level II in Concrete Construction and General Construction

Soils and aggregate testing and inspections

Soil density testing using nuclear method and sand cone method

International Code Council (ICC):

Structural Masonry Special Inspector

	& Precast			
SMCO	Concrete Batch Plant Technician		✓	
SMCO	Concrete Field Technician (ACI I)		✓	
SMCO	Concrete NDT Technician			✓
SMCO	BC 1704.4 - Prestressed Concrete			
SMCO	BC 1704.5 - Masonry		✓	
SMCO	BC 1704.6 - Wood Construction			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Site Preparation			
SMCO	BC 1704.7.1/7.2/7.3 - Soils - Fill Placement, In-place Density			✓
SMCO	BC 1704.7.4 - Soils Investigations			✓
SMCO	BC 1704.8 BC 1808.2.2 - Pile Foundations & Drilled Pier Installation			
SMCO	BC 1704.9 - Pier Foundations			
SMCO	BC 1704.9.1 - Underpinning			
SMCO	BC 1704.19 - Structural Safety - Stability & Mechanical Demolition			
SMCO	BC 1707.8 - Seismic Isolation Systems			

William Grooms, ACI

Inspector

Mr. Grooms is NICET certified inspector with over twenty nine (29) years of experience in construction management and inspection. His project experience includes inspections of building projects, environmental projects as well as highway construction. He has also performed technical special inspections as and when the projects required. Mr. Grooms is an experienced project manager and inspector of public works projects and is capable of reviewing NYC Building and Zoning Codes, NYS Building Codes, NYSDOT Specifications, ASTM and ACI codes, and is able to work with MURK record keeping. He is a member of ASTM, ASCET, NICET and ICC. Mr. Grooms' software experience includes several project management applications such as: Primeravera, Constructware, Skire and Ibuild.

Highlights

Firm: JCMS, Inc.

Years of Experience: 29

Education: Associates in Applied Science – Architecture/Construction Technology, 1998

Professional Registrations:

ACI Concrete Construction Special Inspector

NICET Level - II

Highway Construction

OSHA HAZWOPER-40 Hour Certified

OSHA-Confined Space Entry

Tectonic, Columbia University-Manhattanville Campus, NY: Project Manager for special inspections of construction of new 450,000 square foot Jerome L. Greene Science Building. Mr. Grooms' responsibilities were to oversee construction from foundation through superstructure for compliance with NYCDOB 2008 Building Code in compliance with Special Inspection Requirements, review project plans and specifications, review inspection reports, prepare summary reports, non-conformance reports and report findings to client. He also directed a team of up to 18 special inspectors, kept inspection logs and records for client on Skire.

Columbia University – Term Agreement Projects, NY: Mr. Grooms was a Project Manager for Special Inspection for Columbia University building renovation of various buildings on the Columbia University Campuses (16 locations at this time). His duties were to oversee construction for compliance with NYCDOB 2008 Building Code, compliance with Special Inspection Requirements, review project plans and specifications, review inspection reports, prepare summary reports, non-conformance reports and report findings to client. Supervise special inspection teams.

NYCDDC - New York City Department of Design and Construction Projects, NY: As Project Manager Mr. Grooms oversaw major municipal construction projects for compliance with NYCDOB 2008 Building Code for compliance with Special Inspection Requirements, review project plans and specifications, review inspection reports, prepare summary reports, non-conformance reports and report findings to client. Two of the larger projects were PSAC II in the Bronx and new Police Academy in College Point

DASNY – Term Agreement for Construction Inspection and Materials Testing Services Construction Inspector: Mr. Grooms performed construction inspections and materials testing for concrete, rebar, fireproofing and fire stopping. He led several projects to completion, reported

findings to appropriate parties, communicated with on-site personnel to ensure compliance and worked together with various trades.

NYC School Construction Authority, Various Boroughs, NY: Consultant Services for Controlled Inspection - Mr. Grooms' responsibilities included performing Controlled Inspection and testing inspections of Concrete placed on-site, rebar, masonry, curtain walls, fire proofing and fire stopping at various project locations, reporting circumstances of field activity to Project officers and maintaining supportive documentation of field activities and Contractor operations.

Domani Consulting, Inc., NY : Director of Technical Services -Mr. Grooms provided technical assistance to all divisions of CRSG, Inc., conducted special inspections of various buildings during construction, reviewed all construction inspection reports for conformance to plans, specifications and NYC Building Department requirements, provided interpretation of NYC Building and Zoning codes as required. He started vibration monitoring programs for subway tunnels and landmark buildings per NYCTA requirements; NYC regulation 10/88 for landmark buildings, designed and recommended various training programs for technical staff and also created a technical division with 12 inspectors, on 46 projects in various stages of construction and implemented a full record keeping system.

Town of Smithtown, NY: Assistant Civil Engineer - Duties and Responsibilities: Public works construction project management and inspection (concrete, rebar, fire stops, fire proofing, masonry, soils, curtain walls, piles driven and drilled, excavation, shoring, sheeting, major steel retaining wall w/grouted tie back system, pile design, timber bulkheads, storm water system design and inspection, project design from inception through construction; prepared specifications and bid documents, building inspections, material testing, estimating, environmental projects and waste management groundwater monitoring, methane monitoring/recovery, and landfill construction. Designed and implemented storm water runoff control projects to protect local rivers and Long Island Sound. Reviewed all commercial site plans for compliance with town engineering requirements. Was clerk of the works on landfill capping project and clerk of works for the reconstruction of town swimming pool complex at Smithtown Landing Country Club. Instrumental in redesigning landfill gas flare to provide continuous operation; started maintenance program for methane recovery systems to decrease costs and time.

Suffolk County Department of Public Works, NY : Traffic Technician II - Mr. Grooms conducted complex traffic studies - In charge of construction for traffic signal requirement programs and construction at high accident locations. He completed turning movement studies on traffic signal systems for all county roads in western Suffolk County for Federal Highway Project and managed traffic signal installations by 5 contractors at one time.

Suffolk County Department of Public Works, NY: Traffic Technician I-Duties were overseeing traffic sign layout, traffic studies and inspection of traffic department construction projects

Suffolk County Department of Public Works, NY: Engineering Aide - Surveying for various highway projects, project design, construction inspection (asphalt, concrete, sub grade, rebar, electrical, drainage, landscaping and material testing). Mr. Grooms was the chief construction inspector on all highway construction projects.

George Atsalis, ACI

Inspector

Mr. Atsalis has over 16 years of experience in construction field as Sr. Field Inspector/Engineer and Project Manager on a variety of infrastructure projects that include reconstruction and rehabilitation of roadways, highways, bridges and buildings for various agencies. Areas of inspection include heavy excavations and foundation construction, construction of concrete piers and abutments; superstructure construction including structural steel framing deck and installation of reinforcing steel and concrete placement; construction/ installation of water mains, sewers, culverts, drains, traffic signals, street lighting etc.

Mr. Atsalis is fully knowledgeable and experienced in the enforcement of Federal, State and City Codes for Construction, Site Safety and Maintenance and Protection of Traffic. His computer capabilities include Windows XP, NT, MS Word, AutoCAD, Autodesk2006, Micro Station, MS Office, Excel and PowerPoint.

Highlights

Firm: JCMS, Inc.

Years of Experience: 16

Education:
M.S. – Surveying Engineering
National Technical University of Athens (NTUA), Greece, 1994

Professional Affiliations:
Registered Engineer - Technical Chamber of Greece, 1994
Chartered Member - Institute of Greek Surveyors

Professional Registrations:
ACI - Concrete Field Testing Technician- Grade I
ACI – Concrete Construction Special Inspector
OSHA 10 hours Occupational Safety & Health Training Course in Construction Safety and Health by OSHA
NYC DOB 4-HR Supported Scaffold Certificate by DOB (Homeland Security)
Occupational Safety & Health in Construction, Technical Chamber of Greece

M International PLLC, New York, NY: Project Manager Construction administration and management, concrete, masonry, welding/bolting inspections. Hired by the owner to ensure the contractor's compliance with the approved drawings and specifications. Bid review and award, drawings review, contractor's requisitions and progress payments review quality assurance, field inspections, and meetings with owner's reps, state reps, contractor, and material review.

Z&T Engineering PC, New York, NY: Senior Project Manager

Concrete inspections (concrete special inspections, masonry inspections – new buildings) Responsible for complete daily narratives, reports for T&M work and controlled inspection report, schedule and conduct site inspections.

Frelance Engineer, New York, NY: Field Inspections (local law 11, concrete, rebar, masonry) Special inspections (concrete, masonry, welding), local law 11

Joy Construction Co. New York, NY: Quality Control Engineer- New building construction (building envelope) Working with architect on new architectural details concerning the building envelope, quality control, field inspections, progress reports, meetings with subcontractors

Kenry Contracting Inc., New York, NY: Project Manager - Concrete Works (Building frame), Foundations, Structural steel, masonry. Working for the concrete contractor, drawings review, quality control, subcontractor's coordination.

Thornton Tomasetti, New York, NY: Senior Field Engineer, Building Performance: Façade & Roof Rehabilitation/Renovation, Condition Assessment, Construction Administration, Forensics – Structural/Architectural Property Loss Consulting: Scope of Damage Determination, Cause & Origin Investigation, Building Code Consulting

AKTOR S.A., Athens, Greece: Deputy Project Manager - Athens Suburban Railway, Railway Works including Micro piles, Driven Piles, Road Construction (including widening of existing routes, deep excavations, highway interchanges), Utilities Infrastructure, new building construction.

Attiki Odos Freeway & Athens Northern Ring Road, Athens, Greece: Construction Engineer - Site Manager- Road Construction, Utilities Infrastructure, New Building Construction

Muhammad Kashif Syed, ACI

Inspector

Mr. Kashif Syed holds a Bachelor's Degree in Civil Engineering and has over 13 years of experience working as Inspector, Assistant Structural Inspector and Field Engineer in the field of Construction Management. He has worked on a variety of projects that include transit, roadway and bridge, marine terminals, airport cargo facilities, and housing/industrial buildings. He has been responsible for supervising day to day contractor activities, reviewing the work performed by contractors, scheduling, progress meetings, plan review and report writing. Mr. Syed is familiar with contract documents, contract drawings, specifications, OSHA safety rules, and all applicable codes and standards.

Some of his technical skills include structural inspection, inspection of reinforcement and steel installation, concrete deck, reinforced concrete placement, construction supervision of residential buildings, installation of catch basin, storm sewer, street light, bridge deck, concrete and pavement placement, sidewalk and curb, granite slab pavement, façade inspection, street milling and pavement.

Highlights

Firm: JCMS, Inc.

Years of Experience: 13

Education:
Bachelors- Civil Engineering, 2000
Associate Electrical Engineering, 1996

Professional Registrations:
OSHA Globally Harmonized System (GHS), 2013
OSHA Safety Certification, 2014
Roadway Worker Protection Certified, 2008
ATI Certificate Masonry Special Inspector, 2012
ACI Certified Concrete Inspector Grade -1, 2013
ACI Certified Concrete Construction Special Inspector, 2013
SAT Certified Paving Inspector, 2013
NYC DOB Supported Scaffold User Certificate, 2010
NYC DOB 40 Hour Site Safety Manager, 2013
ASCE Bridge Construction Workshop 6.0PDH, 2013
ASCE Techniques for Pavement Rehabilitation, 2014
NHI Basic of Work Zone Traffic Control, 2014

PANYNJ - Teterboro Airport, Teterboro, NJ: Assistant Structural Inspector–Responsibilities included conducting Survey and Façade Inspection of Bldg. # 112 (Jet Aviation), Bldg. # 3 (Atlantic) and Bldg. # 19 (Air – Traffic Control Tower). Also surveying of all structural items to find and document any deficiencies.

PANYNJ - John F. Kennedy International Airport (JFK), New York, NY: Assistant Structural Inspector – Conducted Visual and Close-Up Inspection of the entire British Airways Cargo facilities (Bldg. # 66) And KIAC PARTNERS ENERGY CENTER (Bldg. # 49). Assisted in preparing the Structural Condition Assessment report and in determining the immediate attention, priority repair and safety Conditions.

PANYNJ - Port Elizabeth Marine Terminal: Assistant Structural Inspector – Responsibilities included Condition Surveys of Building Facilities including bldg. 1100, 1150, 1400, 1900, 2350 and 2360. Also included conducting 100% visual and 10% hands on of all structural items to find and document any deficiencies.

PANYNJ World Trade Center Site (Memorial), New York, NY: Assistant Structural Inspector – Quality Control and Quality Assurance at the World Trade Center Memorial and Cultural projects under the supervision of Professional Engineer. Responsibilities included supervising and

administrating the controlled inspection work of the reinforcement steel installation of the entire R.C. Structure (footings, new liner and shear walls with steel detail for new tieback and footings, piers, slabs etc.)

NYCDDC - Queens Safe Routes to Schools, Phase III, Queens, NY: Inspector- The Project includes the installation new catch basin, fire hydrant, 18 inch combined sewer, distribution of 12-inch water main, new 12-inch water main valve, sidewalk; curb and raised crosswalk as also installation of furnish light pole and removal of the existing light pole. All work performed according to NYCDOT and NYCDDC plans and Specifications. Construction Cost $4 M. Responsibilities included ensuring that work was being performed according to plans, specifications.

City of Newark- Delancy Street Drainage and Roadway Improvement, Essex County, NJ: Inspector-The project included the installation of 36-inch Reinforcement Concrete pipe, Catch basin, 18-inch RCP, Manhole, curb, sidewalk and Pavement. All work was performed in accordance with NJDOT, and Newark Standard Specifications Plan.

NYC Department of Environmental Protection (NYCDEP) /NYC Department of Transportation (NYCDOT) Bioswale Project: Sr. Inspector The New York City Department of Environmental Protection (DEP) uses the term ROW Bioswale to describe planted areas in the sidewalk that are designed to collect and manage stormwater or rainwater that runs off the streets and sidewalks.

NYCDDC - Manhattan Grand Street Reconstruction Project: Sr. Inspector - The project included the installation of a 36-inch steel trunk main, running east-west along the north side of Grand Street, and a 20-inch ductile iron main on the south side of Grand Street, as well as valve-controlled interconnections between trunk and distribution mains, butterfly valves, insulated flanged joints, reinforced concrete chambers and all related components. Responsibilities included detailed inspections of all components of the mains, on-site testing of construction and site materials, field measurements and data collection for monthly and final construction estimates, progress reports, and preparation of record plans. Construction Cost $110 Million

NYCDDC Complex Pedestrian Ramp, New York: Inspection of complex pedestrian ramps throughout the Borough of Brooklyn, New York. Sr. Inspector Inspected all intersections within various community boards, maintained daily reports and used GPS technology to report information to New York Department of Design and Construction quality of construction, and ensured that each completed location had double ramps with zero reveals, adequate drainage, not more than 8% slope, other related work where interferences existed, such as catch basin modifications or relocations, fire hydrant relocations, traffic signal relocations and above all, that all work was performed according to NYCDOT and NYCDDC plan and Specifications.

NYCEDC Reconstruction Brooklyn Marine Terminal: Resident Engineering Inspection, Infrastructure Reconstruction at South Brooklyn Marine Terminal for NYCEDC. One of the several critical issues was the removal of contaminated soil. Soil for the S-Curve project was tested in advance via test pits and disposed of according to NYCEDC environmental requirements. Coordination with Industry City and various stakeholders including City agencies, private utility owners and leases of SMBT property was critical to complete the project in a timely manner.

Ketul Gandhi
Estimator

Mr. Gandhi has over 5 years of experience working with USMA (United States Military Academy), PANYNJ, NYCSCA (New York School Construction Authority), NAVFAC (Naval Air Base), GSA (General Service Administration), NYC Housing Authority as Estimator, Project Scheduler & Project Engineer and involved in a variety of projects that include infrastructure, industrial, institutional, commercial and residential building projects. He prepared change order, negotiated with clients, implemented activities related to Change Order without delaying/disturbing any existing activities. Mr. Gandhi has expertise in preparing quantity take-off and costing of projects including vendor verification of costs for specialty items. He has a keen understanding of market prices of material and equipment as it relates to various types of projects.

His software skills include Win Estimator software, OST (On-Screen Takeoff), Primavera Project Planner P5 & P6 and Microsoft Project in addition to AutoCAD and MS Office products such as Word, Excel etc.

Highlights

Firm: JCMS, Inc.

Years of Experience: 5

Education:

M.S-Construction Management, Stevens Institute of Technology, NJ

B.E. - Civil Engineer Gujarat University, India

Polytechnic University, Brooklyn, NY

Research Assistantship

Professional Affiliations:

CMAA-Construction Management Association of America

Professional Registrations:

OSHA 30 hours, NJ TRANSIT Construction Management

PANYNJ - Newark Aviation Fuel System Modification, Newark, NJ: Cost Estimator The $90M Newark Liberty International Airport Fuel Systems Modifications project will install nearly 30,000 linear feet of underground double walled aviation fuel piping. The project will also add two new 47,600 bbl above ground tanks, two new truck fueling racks, a contact water treatment facility, fuel selection area manifold, modifications to four pump stations including new PLCs and controls. Mr. Gandhi is responsible for providing cost estimating services.

MTA- Penn Station Visioning Study, New York, NY: Cost Estimator-The Penn Station Visioning Study is a "blank slate" planning study intended to optimize customer circulation and way finding, customer service amenities and station real estate utilization through 2035. The study is also tasked with creating a street presence for the station and a unifying vision for the station's three railroads. His responsibilities include performing construction cost analyses to score the different concepts.

TBTA - Substructure and Underwater Work at the Marine Parkway Bridge, New York, NY: Cost Estimator-The project consists of detailed design services and supporting design services during construction for the scour protection restoration at Piers #2 (7) through #11 (18); rehabilitation of damaged bridge pier protection steel plates, rehabilitation of unsound concrete on all substructure elements such as North and South abutments, pier caps and pier stems above high water, within the tidal zone and underwater, and upgrade of the ancillary electrical system at the Marine Parkway Bridge. Mr. Gandhi is responsible for reviewing the detailed Construction Cost

Estimate to ensure that the cost estimate reflects all the final revisions and comments incorporated in the 100% design document.

LIRR - Jamaica Stations Expansion Project, New York, NY: Cost Estimator- The "Jamaica Capacity Improvements – Phase I Design" provides the Cross-Borough Scoot and the infrastructure improvements needed to increase capacity required for ESA operations. The creation of Platform F will permit the separation of Brooklyn service from the main station platforms to accommodate the projected needs of ESA. Phase I will also include modification of the existing microprocessor-based signal system, with respect to added switches and other modifications required for Phase I , construction. Mr. Gandhi is responsible for providing estimating services at 30, 60, 90 and 100%.

NJ Transit - Newark Penn Station Raymond Plaza East Architectural Improvements, Newark, NJ: Cost Estimator. The project consists of Removal of Existing ADA Ramp, Construction of New ADA Ramp, Glass Canopy with Structural Steel-Concrete Footing, New Screen Wall, New Concrete Sidewalk, Electrical Modification including new light fixtures. Mr. Gandhi has provided estimating services at 30% & 90%.

NJ Transit Sandy Recovery: Initial Flood Assessment and Initial Near-Term Recommendations: Developed cost estimate for identified portions of NJ transit system which requires "near-term" flood mitigation and resiliency measures based on interim draft report. Estimate includes cost for Flood Mitigation, Backup Generator & Electrical hook-up-conduits-wire-transfer switch, Sump Pump, Trash Pump, On call implementation cost for contractor before and after storm for NJ Transit facility: Newark Penn Station, Secaucus junction, NLR Bloomfield Station, NLR Broad Street Station.

NJ Turnpike Authority- Garden State Parkway Miscellaneous Repairs: Worked with Tran Systems in developing cost estimates for Substructure (Abutment & Pier-Under Water & above Grade) located at Swimming River, Matawan Creek, Cheesequake Creek. Estimate included cost for Substructure Concrete Spalled repair, Bridge repair, Concrete Collar installation-Underwater, Embankment-Slope protection, Membrane Waterproofing.

Amtrak/NJ Transit - Portal Bridge Capacity Enhancement – North River Bridge, New Jersey: The $1 billion project is to replace the existing Yr-1910 built, swing span structure bridge with a new '3' span network tied arch bridge to ensure uninterrupted NE Corridor service as well as navigation through Hackensack river. Mr. Gandhi was responsible for quantity take-off thru 100% CD drawings. Performed take-off for Structural and Reinforcement Steel, Concrete for following bridges and retaining wall:

Tracks 2 and 3 over Newark-Jersey City Turnpike

Tracks 2 and 3 over West Lagoon and Belleville Turnpike

Duck under Structure carrying Tracks 2 and 3 over future Track 4

West Approach Spans (carrying Tracks 2 and 3) to the River Bridge

Tracks 2 and 3 over the Hackensack River (River Bridge)

East Approach Spans (carrying Tracks A, 2 and 3) to the River Bridge and over Norfolk Southern.

Kevin Meehan

Estimator

Mr. Meehan has over 14 years of experience in the field of Construction Cost Estimating. His diverse experience comprises a wide variety of projects that includes estimation of Transit / Industrial / Commercial/ Institutional/ High-Rise / Educational etc. Mr. Meehan has been responsible for developing budgetary and final construction cost estimates, contract pricing and change orders, contract negotiations, interface and coordination with contractors, owners and A/E consultants on project issues, assisting owners on construction phasing and scheduling, coordinating with the A/E of record regarding change orders, interpretation of contract documents, submittal and approvals and related technical matters, review of contractors claims of disputed work, providing detailed takeoff and pricing for site-work, foundations and recommending appropriate action to owner.

Highlights

Firm: JCMS, Inc.

Years of Experience: 14

Education:

BS - Civil & Environmental Engineering, Rutgers College of Engineering, New Brunswick, NJ, 1999

PANYNJ - Newark Aviation Fuel System Modification, Newark, NJ: Cost Estimator-The $90M Newark Liberty International Airport Fuel Systems Modifications project will install nearly 30,000 linear feet of underground double walled aviation fuel piping. The project will also add two new 47,600 bbl above ground tanks, two new truck fueling racks, a contact water treatment facility, fuel selection area manifold, modifications to four pump stations including new PLCs and controls. Mr. Meehan is responsible for providing cost estimating services.

PANYNJ - National September 11th Memorial & Museum, New York, NY: Mr. Meehan provided detailed cost estimates for bid packages relating to the $530 Million Museum/Memorial portion of the reconstruction of the World Trade Center site.Provided detailed takeoff and pricing for sitework, foundations, super-structure and architectural building elements. Analyzed and tracked cost impact of revisions, changes, addenda, etc. Negotiated contract pricing and change orders with subcontractors and general contractors.

NJ Transit - Sandy Recovery and Long Term Flood Mitigation and Resiliency: Secaucus Junction and Newark Penn Station. Flood barriers, electrical redundancy, Sandy repairs. The Secaucus Junction Platform Extensions project is a $1.5M effort to extend two island platforms an additional 120 feet each on the four tracks NJ Transit Main Line.

NJ Transit - Hoboken Terminal and Yard: Sandy Repairs and Remediation, Flood Mitigation and Resiliency: The project is to restore the terminal and yard operations, while at the same time increasing the system's resiliency - its ability to withstand and recover quickly from future storms. Mr. Meehan is responsible for providing cost estimating services on the three above mentioned projects.

NJ Transit- Sandy Recovery: Initial Flood Assessment: Estimate includes cost for Flood Mitigation, Backup Generator & Electrical hook-up-conduits-wire-transfer switch, Sump Pump, Trash Pump,

on call implementation cost for contractor before and after storm for NJ Transit facility: Newark Penn Station, Secaucus junction, NLR Bloomfield Station, NLR Broad St. Station.

NJ Transit - Capital Asset Replacement Program (HBLR &SNLRT), NJ: Sr. Cost Estimator The CARP program consists of projects including Resurfacing of the Plank Interlocking and the Lackawanna Curve, Harborside track replacement, Replacement of light fixtures, the UPS system and fire protection piping at the LRV Maintenance Facility, bollard replacement at the Newport Viaduct and replacement of various equipment and furniture. Mr. Meehan is responsible for providing capital cost estimates for NJ Transit's Hudson-Bergen Light Rail and River Line system infrastructure and facilities.

CATS Charlotte Area Transit System, Lynx Blue Line Extension: The Charlotte Area Transit System Blue Line Extension is a $1 billion, 9.3 mile extension of the Charlotte, NC light rail system. The extension will service 11 new stations, including seven walk-up stations and four stations with park and ride facilities. Mr. Meehan's responsibility as the Cost Estimation Manager for the Project Management Oversight Contractor (PMOC) team was to perform a Risk Management and Contingency Review related to project cost.

Columbia Pike Streetcar, Arlington County, Virginia: Mr. Meehan was the Cost Estimating Manager for the Hill International Project Management Oversight Contractor contract, which provided a Readiness Review for Entry into Project Development.

The Columbia Pike Streetcar project is a 4.93 mile electrically powered modern streetcar system that originates in the Pentagon City area of Arlington County, VA and terminates in the Skyline area of Fairfax County, VA. $310 Million

NJ Transit TOC - Secaucus Junction Platform Extension, Secaucus, NJ: Sr. Cost Estimator The Secaucus Junction Platform Extensions project is a $1.5M effort to extend two island platforms an additional 120 feet each on the four track NJ Transit Main Line. Mr. Meehan was responsible for providing cost estimating services.

NJ Transit TOC - Frank R. Lautenberg Station Intermodal Facility - Soil Improvement Contract, Secaucus, NJ: Sr. Cost Estimator-The Soil Improvement Contract is a $3.5M project to improve the bearing capacity of the swamp adjoining the station in order to build a bus station at the facility. Mr. Meehan was responsible for providing cost estimating services.

LIRR - Station Master's Office Renovation, New York, NY: The renovation of Station Master's Office (SMO) on the concourse level of New York's Penn Station was a $2.5M project to update the nexus of the railroad's station monitoring and information network. Mr. Meehan provided preconstruction management and estimating services.

LIRR - Jamaica Stations Expansion Project, New York, NY: The "Jamaica Capacity Improvements – Phase I Design" (the subject of this RFQ), shall provide the Cross-Borough Scoot and the infrastructure improvements needed to increase capacity required for ESA operations. Mr. Meehan provided estimating services at 30, 60, 90 and 100%.

MNR - Grand Central Terminal Leak Remediation, New York, NY: Grand Central Terminal in midtown Manhattan is planning a $20M Leak Remediation project to repair and prevent damage from water intrusion. Mr. Meehan provided preconstruction management and estimating services.

Murali Nambiar

Scheduler

Mr. Nambiar is an engineering professional with over 24 years of experience on diverse construction projects including mass transit, commercial, industrial and institutional buildings, and defense department projects. Areas of experience include project management, construction management and project control providing planning, scheduling, resource/cost control, delay claims analysis and schedule risk analysis on a variety of engineering, procurement and construction projects from bidding to design, construction and closeout. Mr. Nambiar is a Primavera Certified Trainer. He has incorporated change orders with associated logic changes, prepared Recovery Schedules and performed Time Impact/Delay Analysis to determine the impact of changes on project completion.

Highlights

Firm: JCMS, Inc.

Years of Experience: 24

Education:

B.S. Civil Engineering, MNIT, India

MBA, Marshall School of Business, USC, Los Angeles

Professional Affiliations:

CMAA, PMI, Metropolitan Railway Club of NY

Professional Registrations:
Primavera Certified P6 Trainer

Project Risk Management in Primavera Pertmaster – Oracle University

Construction Quality Management – U ACOEs, Philadelphia

PANYNJ - World Trade Center Transit Hub Project, New York: (Mr. Nambiar is responsible for developing and maintaining two master schedules – West Bath Tub & East Bath Tub. Both master schedules are level 5 detailed schedules with over 6,000 activities each.

PANYNJ - PATH Capital Program Management Services: Mr. Nambiar developed integrated resource loaded schedule and optimized resource requirements for proposed $2.5B, 10 year capital program projects for PANYNJ's PATH Rail System. Mr. Nambiar's responsibilities included preparation of questionnaire for interviews, understanding the scope, duration and resource requirements.

NJT / Amtrak - Portal Bridge Capacity Enhancement – North River Bridge, New Jersey: The $1 billion project is to replace the existing Yr-1910 built, swing span structure bridge with a new '3' span network tied arch bridge to ensure uninterrupted NE Corridor service as well as navigation through Hackensack river. Mr. Nambiar developed program master schedule including detailed staging to ensure uninterrupted NE Corridor operations during construction and cut-overs based on 60% design documents.

LIRR Jamaica Capacity Improvement, New York: Mr. Nambiar developed detailed resource loaded schedule for LIRR for construction of new platform at Jamaica and signal and track modifications necessary to connect Long Island with Grand Central in Manhattan.

NJ Transit - The Trans-Hudson Express Tunnel, NJ-NY: The Trans-Hudson Express Tunnel is a railroad tunnel that was to be built under the Hudson River, connecting New Jersey and New York. Mr. Nambiar was involved in the early stages of the project for developing the Master Schedule for the construction phase of the project.

NYCT - Rehabilitation of Culver Line Viaduct, Signal & Communication Upgrades, NY: The project consisted of removing all track, repairing and waterproofing the concrete deck, setting new low-vibration track in place and installing all-new track drains. The project also comprised of signal and power work to the third rail and communications work. Mr. Nambiar was responsible for developing the resource loaded baseline schedule and performing resource analysis.

MSDC Moynihan Station Phase I, New York: The $220 million projects will double the width and length of West-end Concourse at the New York Penn Station. Mr. Nambiar developed program master schedule, and resource and cost loaded it to develop budget, and annual cashflow. Also, incorporated Amtrak and LIRR force account work in the schedule to develop force-account budget and schedule.

LIRR – Power & Track Project Control/ Scheduling Services for LIRR Force Account Projects, New York, NY: Mr. Nambiar provided Project Control/CPM Scheduling services to the Engineering Department at Long Island Rail Road (LIRR) where he was responsible for power and track projects

MNR – Hudson Line Station, Phase 2C – Tarrytown, NY: The Metro North Line Tarrytown Station Project involves the reconstruction of platforms #2, #3 and #4 and the installation of new overpasses. Mr. Nambiar is responsible for reviewing the contractor prepared CPM Schedule for accuracy and reasonableness of schedule duration, logic and critical path.

NJ Transit – Morrisville Train Storage Yard, Morrisville, NJ: The $100 Million Phase II work includes expansion of the Morrisville Yard to double train storage capacity, including additional electrified tracks to accommodate 120 rail cars, two elevated inspection tracks in a fully enclosed Service & Inspection (S&I) facility, a Wheel Truing Facility, and expansion of the Crew Quarter Building and employee parking area. Mr. Nambiar was responsible for reviewing and analyzing contractor's CPM baseline schedule, monthly updates and comment on schedule integrity and progress. He was also responsible for reviewing and analyzing contractor's Time Impact analysis requesting time extension.

Miami-Dade Transit - Metrorail Extension, Miami, FL: The North corridor Metrorail Extension is an elevated 9.2 mile double-track, heavy-rail extension of the Miami-Dade Metrorail system. This is a New Starts involving design, procurement and construction. Mr. Nambiar was also responsible for evaluating project schedule and project risk. Mr. Nambiar was also responsible for review, analysis and comments on grantee's cost estimates; which involved independently verifying major cost components in conformance with PMOP Operating Guidance #33.

Ian Barnett, ACI

Inspector

- Successful track record in completion of multi-million dollar
- Construction contracts within allotted schedule and budget.
- Diverse construction management background, encompassing paving, concrete, piles, structures, drainage, traffic, landscaping, and marine construction.
- Supervision experience with staffing of multiple trades and coordination of their work.
- Estimating and reviewing of change orders.
- Working knowledge of the office procedures, and protocols of the Port Authority of New York and New Jersey.

Highlights

Firm: LPE Enterprises, Ltd.

Years of Experience: 32

Education: New Jersey Institute of Technology - (Civil /Construction Technology) Date: June 1984

Middlesex County College - Associate Applied Sciences- (Civil Engineering Technology) Date: June 1982

Professional Registrations:

ACI Special Inspector Certified

PANYNJ JFK and Newark International Airports: Supervision and coordination of multi-million dollar construction contracts, including high visibility projects of a -1200 space parking garage, runway and taxiway paving, police administration building and a major terminal expansion. Design/Build of an eight (8) tower cooling plant and the upgrade of, and installation of chillers and substation. Review of design documents for completeness and comments to improve on the design. Estimate and review change orders, and cost engineering. Projects include:

- JFK - Delta Airlines Terminal T-4
- JFK - Area One Parking Garage (Green Garage)
- JFK - Rehabilitation and expansion of the Police Admin. Building
- JFK - Rehabilitation and expansion of Central substation
- JFK - Rehab. And Overlay of Runway 13R/31L
- EWR - Emergency Rehab. Of Runway 4R/22L
- EWR - Design and construction of a Cooling Tower System.

Superintendent /Assist. Project Engineer: Responsible for the execution of construction projects in the multi-million dollar range. Conduct weekly meeting with owners, contractors and sub contactors. Coordination of trades and subcontractors associated with the construction, so as to meet all milestones. Generated estimates for contract bidding. Responsible for the day-to-day activities on each project, Inclusive of scheduling, cost estimating temporary structures and Safety. From takeoff to bid, estimate cost of commercial site work, inclusive of drainage (12" to 72"rcp) manholes and catch basins, electrical conduit and duct banks, deep foundations for light standards and traffic control devices, braced cuts and excavation, rehabilitation and new construction of roadways, taxiways and runways using both concrete and asphalt. Projects include:

- JFK - Relocation of Taxiway "I" and "O"
- JFK - Rehab of Taxiways "P", "R&S"
- JFK - JFK Expressway including a concrete box girder bridge.

- EWR - Terminal "C" Foundation and site work. Including drainage, hydrant fueling system, sanitary system, fire hydrants, asphalt and concrete pavements.

Assistant Engineer: Supervise the installation of driven pile foundations, including pre-stressed concrete, wood, steel and sheet piles. Design of temporary structures and the production of shop drawings and as-builts. Projects include:

- New York - South Street Seaport – Deep Foundation
- New York - Pier 59 – Marine Transfer Station
- New York – Amerada Hess – Installation of new sheet pile bulkhead at their Brooklyn fuel farm.

Ronald Stribling, ICC
Inspector

- Electrical Inspection and Engineering / Construction Management / QA – QC leadership with over 30 years of experience managing electrical and construction installations and implementing strategic plans to meet and exceed the objectives of organizations ranging from small business, major corporations, to major local, federal and DOD projects.
- As a key member of a management team that compressed 4 years of construction into 3 years to meet a congressionally mandated deadline. This 1.8 billion dollar twin office complex and campus averaged 1 million dollars of daily construction for 27 months safely while achieving our objective of a LEED Gold Certification.
- Ability to streamline directions, and give clear focus to projects from inception to completion utilizing key means and methods with innovative approaches enhances my experience to manage multiple projects.

PANYNJ - Newark International Airport: Contracted to manage the ongoing construction, rehabilitation and tenant space at the Newark Liberty International airport. A member of the construction management division specializing in electrical construction and engineering for numerous projects and improvements to the facility including but not limited to rehabilitations to existing runways and new high speed taxiway systems, ground up construction of aircraft hangers, FAA, ILS, and MALSR systems. Tenant space renovations, and alterations, parking structures, and airline terminal renovations.

US Army Corps of Engineers: Contracted to manage the design / build and installation of the mechanical, electrical and plumbing systems for the Brac 133 Mark Center Project. As a key member of the MEP design/build team we managed the installation for all of critical systems, security, telecommunications, and dual redundant primary utility services for this project. Spearheaded the underground utility construction of all the building services; the dual gas, water, telecommunications, and the dual 34.5 KV primary service entrance to the indoor primary switchgear, to the secondary unit substations, to all of the facility distributions through horizontal and vertical risers of medium voltage (13.8 KV). Coordinated and assisted in the resolution of design issues /project problems. Provided guidance and support during all testing, commissioning, startup testing, and third party inspections. Supported business development giving due diligence in project budgets, pay applications, RFI, Submittal approval, Change orders, scheduling, and

Highlights

Firm: LPE Enterprises, Ltd.

Years of Experience: 33

Education:

Related Trades Program- Electrical Wiring & Construction, Henry Ford Community College, Dearborn MI

Estimating - Construction Practices, Construction Association of Michigan, Detroit Michigan

CEU Credits for Electrical Training, Engineering and Construction

Onsite and On Line Training, Lectures – Webinars

Professional Registrations:

Licensed Master Electrician - Electrical Contractor

NEC Code 2011 - Certificate

ICC Virginia Core Building Code - Certificate

OSHA 10 Safety Training - Confined Space Training Certificate

(CQC) Quality Management for Contractors US Army Corps of Engineers

constructability. Provided reports of progress, variances, and deficiencies. Actively participated in the LEED AP Gold process in multiple phases of the project design and construction team through consulting, supervising, and providing leadership in securing the LEED Gold Certification. Coordinated final inspections of utility services, and finish construction. Finalized the project from construction to the transition of the project to the O&M Teams.

Sr. Electrical Project Manager / Inspector: Contracted to manage the construction and installation of two pumping stations and renovation of an existing pump station for the District of Columbia Water and Sewage Department. Lead the Sir, electrical and mechanical initiatives for the construction and management team. Coordinated and reviewed all of the projects installation for compliance with QA Standards. Simultaneously monitored the three projects electrical installations for three different sites and multitasked efforts to oversee the installation of the onsite power substation and distribution center, Motor Control Center, PLC, Backup Power Generation, Automatic Transfer System and SCADA System for the control and remote operation of the pumping stations Medium and low voltage power distribution for the pumps and control wiring, and lighting systems. Analyzed and assess the cost and constructability of proposed change orders, reported daily construction and safety. Reviewed and approved monthly contractor invoicing, coordinated scheduling, and assisted in the resolution of design issues, chaired weekly progress meetings to discuss construction issues, and supported the resident engineer as the owner's representatives.

Sr. Electrical Project Inspector: Led daily observation and inspections for the expansion and construction of an addition to an existing museum. Monitored the daily construction of steel erection and concrete placement. Oversaw the replacement and installation of the existing electrical service. Maintained and monitored the service records of the back-up power generation during power shutdowns. Ensured that the contractors work was done safely and in compliance with the contract documents, specifications, and applicable codes and standards. Documented construction activities, daily reports, and photographs. Attended weekly progress meetings, and safety meetings.

Master Electrician: Established and managed this small business performing various electrical installations, repairs, service upgrades, retrofitting for residential, commercial, intuitional facilities, and Data Centers Contracting, estimating, and bided several small to medium projects. Highly regarded as a preferred small business from established customers for the quality and workmanship. Specialized in Historic repairs and renovations involving Knob and tube wiring systems, Electrical, communication, Security and fire Alarm installations for custom homes to retail and office build outs, restaurants, and specialty shops. Preferred minority subcontractor to larger electrical and construction firms for the City of Detroit, and Detroit Public Schools System projects.

Jose Cernadas, Jr.
Inspector

- Background in electrical inspection protocols and field experience in industrial electrical inspections
- A committed individual with great work ethic and an expanding knowledge of engineering
- Working knowledge in MATLAB, PSPICE, LabVIEW and Microsoft Office Suite

Highlights

Firm: LPE Enterprises, Ltd.

Years of Experience: 8

Education: BSEE, Electrical Engineering, New Jersey Institute of Technology

Concentrations: Controls / Power Systems, 05/2010
Vice President of the Council of Commuting Students, 2007-2009

Professional Affiliations:
Institute of Electrical and Electronics Engineers (IEEE), 2006 - present

Consultant to PANYNJ - Newark Liberty International Airport:

- Lead Electrical Inspector on the following contracts
- Rehab of Runway 4R22L
- Rehab of Taxiways A, B, PA, D, & N
- Rehab of Taxiway P
- Repair of Z Helipad
- Rehab of Runway 4L22R (current)
- In charge of coordination with electrical contractor and Airport Maintenance Electrical Division for lock out and tag out permit requests
- Experience in coordination with Airport Operations for closures of work areas
- Controlled Inspection experience with Hi-Pot testing, and Megger Testing

Newark Liberty International Airport Terminals ABC, Travelex of America, Newark, NJ:

- Supervisor of all Travelex locations at Newark Airport
- In charge of Travelex FXATM maintenance and upkeep
- On site information technician
- Exchange of foreign currency and customer relations

Engineering Intern, Irvington, NJ:

- Performed testing on transformer oil temperature gauges
- Tested communication between network protector transmitters and relays
- Maximized inventory by cataloging spare printed circuit board parts
- Analysis of data from products designed

Rainer Burger
Civil/Structural

Senior Project Manager with over twenty six (26) years of Program/Project Management, Communications Engineering, Systems Engineering, and Acquisition Management experience on State and DoD Command, Control (C2) Information Systems. Extensive experience in managing major security and communications systems integration, installation and construction projects for The Port Authority of New York and New Jersey and the U.S. Department of Defense.

Highlights

Firm: ManTech International

Years of Experience: 26

Education: BS Electrical Engineering, Master Engineering Management.

Professional Affiliations: ASIS International
Professional Registrations:

Physical Security Professional (PSP) – American Society of Industrial Security (ASIS)

Project Management Professional (PMP) – Project Management Institute (PMI)

Perimeter Intrusion Detection System (PIDS), New York/New Jersey Area Airports: ManTech security consultant for the Port Authority of New York and New Jersey (PANYNJ) under a Design and Technical Services contract. Security Project Manager for the installation of a $200M integrated perimeter intrusion detection and assessment system at John F. Kennedy International Airport, LaGuardia Airport, Newark Liberty International Airport, and Teterboro Airport. Responsibilities include overall security system design and project/construction management through-out all construction stages of the project. This includes tracking cost and schedule, requirements definition, security risk analysis, development of comprehensive airport facility security upgrade plans, management of systems design, system specification and acquisition, request for proposal development, construction, system installation, environmental, safety and operational health services, technology assessment, documentation review, contract support, test and sustainment.

Force Protection Security Directorate, Hanscom AFB MA: Security Consultant to Information Technology Services Program (ITSP), assigned to the Air Force, Force Protection (FP) C2 Systems Program Office as a Security Project Manager. Responsible for managing 40 contractor personnel under the ITSP contract. Managed and integrated all contractor activities and requirements for the Force Protection C2 System program office. This included management and support of ITSP personnel located at Ramstein AB Germany. Provided cost effective acquisition support (Cradle to Grave) for Physical Security Systems/Construction Projects. Led and managed a European Force Protection Initiative worth $27M - Flightline Security Enhancement Program (FSEP). Managed critical aspects of major security systems construction and installations.

Air Force Life Cycle Management Center, Command, Control, Communications, Intelligence and Networks Directorate (C3I&N), Hanscom Air Force Base MA: Served as the Individual Mobilization Augmentee to the Program Executive Officer (PEO) for Air Force Life Cycle Management Center, Command, Control, Communications, Intelligence and Networks Directorate (C3I&N), Hanscom Air Force Base Mass. Direct and lead the Reserve workforce at Hanscom and within the Program Executive Office that is responsible for the development, deployment and sustainment of Air Force, joint and coalition cyberspace, communications, crypto logic and space/nuclear network systems enabling decisive combat operations in support of air, space and cyberspace domain.

Richard "Dutch" Eisold
Inspector

Security Design Engineer with over three (3) decades of extensive and in-depth experience in Security System Design/Installation Management, direct installation oversight, configuration management , design , procurement, installation, integration and test and turnover of large scale physical security Systems. Proven ability to lead, manage and supervise; a consummate team player.

Highlights

Firm: ManTech International

Years of Experience: 51

Education: High School Diploma

PANYNJ Security Project Management: Currently working within the Security Program Management Division as a Senior Systems Engineer for the Perimeter Intrusion Detection System (PIDS) project. Monitor, review and interface with the PANYNJ contractors responsible for deployment of Perimeter Security Systems at the four NY/NJ airports. Support the PANYNJ in the design implementation of PIDS. Evaluate contractor prepared integrated security systems and infrastructure designs to ensure conformance to functional performance requirements and contracted specifications. Plan, coordinate and support site surveys, integrated security design reviews and technical interchange meetings for the development of 30%, 60%, 90% and 100% Systems and Infrastructure Designs. This includes review and finalization of as-built drawings and all hardware, software and training documentation. Support as required for security systems installations and acceptance testing on newly installed security systems to ensure system meets performance requirements.

Army Corp of Engineers New England District Headquarters: Served as a Security Systems Field Engineer for the Army Corps of Engineers in Concord, MA for the implementation of an integrated security system at the New England District headquarters compound covering the 10-acre site at Concord Park.Implementation consisted of significant civil works to improve barriers (rock walls, fencing and earth berms) rerouting of entrances and access road ways, installing of hydraulically controlled drop arm barriers and guard houses, communication and power conduits, cabling and integrating security consoles, CCTV, access control devices and intrusion detection devices.

World Trade Center, New York: Served as one of the two Security Systems Design/Installation Engineering Managers overseeing the design, installation, integration and test of the physical security systems comprised of Access Control (turnstiles, card readers and badges), Intrusion Detection (sensors), Data Management, and Command, Control and Display Subsystems (CCTV, intercom, annunciation systems, and systems dual redundancy). Previously participated in developing the comprehensive specification for a physical security system upgrade at the World Trade Center.

Government-Funded Test Facility, Port of Tacoma, WA: Managed construction activities for a structure to house two high-pulsed x-ray systems used to examine overseas shipping containers on trucks. Managed the design of facilities , utilities, safety features, physical security, selection of construction contractors, as well as each phase of the project. This contract was under the oversight of the Advanced Research Project Agency (ARPA).

U.S. Embassies: Conducted security site surveys at U.S. Embassies in Peru, Columbia, Nicaragua, India , Sri Lanka and Consulates in Peru and India in support of the Department of State's Physical Security upgrade program. Developed designs, installation plans, cost estimates and work schedules.

Department of Energy: Participated in value Engineering study for physical security system upgrade for the Department's facility at Rocky Flats, Co. Designed and supervised installation of perimeter security systems at the Idaho Chemical Processing Plant and Test Reactor Area at the Idaho National Engineering Laboratory, Idaho Falls, ID.

U.S. Air Force Security Force Protection: Responsible for design and installation of perimeter and interior physical security systems at the Presidential Aircraft Area, Andrews AFB, MD; NORAD Cheyenne Mountain Complex, Colorado Springs, CO.; High-Priority Areas at Pease AFB, NH., Tinker AFB, OK .and Plattsburgh AFB, NY. Participated equipment procurement, final system design documentation, test procedures, and system acceptance testing. Performed testing of commercial and government designed intrusion detection systems/sensors at Eglin AFB, FL; Fairchild AFB, WA and Wurtsmith AFB, MI.

Alan Bright

Inspector

Senior Test Engineer with over 16 years of experience in installation, testing and certification of security and intelligence collection systems for state and federal government clients in the transportation and Department of Defense industries. Hands-on approach to integration and testing has led to the delivery of numerous certified security and intelligence collection systems around the world, while working as a part of multi-discipline project management teams.

Highlights

Firm: ManTech International

Years of Experience: 16

Education: BA, Criminal Justice Indiana University

US Army Signal Intelligence Analyst School

Professional Affiliations: ASIS International

Perimeter Intrusion Detection System (PIDS), New York/New Jersey Area Airports: Currently serving as the Test and Integration Manager for the Port Authority of New York and New Jersey's PIDS Project. This tasks involves participating in the integration of the PIDS at the four major airport facilities of New York City / New Jersey. Alan is also responsible for the oversight of the entire PIDS test program at all four facilities. Participate in and/or oversees design and documentation reviews as part of the Port Authority oversight of the PIDS project. Responsibilities include the development of a test plan, coordinating test group meetings, overseeing the factory and field testing, assisting in the system integration, and ensuring any deficiencies are fixed prior to system acceptance in accordance with the contract requirements. Additionally he oversees all applicable FCC and FAA applications, and subsequent licenses, pertaining to the PIDS project. Also assist in the familiarization and refresher training for airport operations and police personnel on the PIDS capabilities.

Solers Inc - US Army Intelligence System Certification/Accreditation, Worldwide: Served as Systems Engineer / Lead Test Engineer for a US Army Intelligence System and provided national level accreditation support for intelligence collection systems around the world. Alan served as the Project Management liaison between the US Army units around the world and the National Security Agency (NSA) and the Department of the Army (DA) security accreditors to ensure system security of the Top Secret systems. Alan generated and verified all test documentation utilized for NSA and DA accreditation testing and properly captured all test results within formal test reports.

L-3 Communications – Subject Matter Expert (SME), Worldwide: Served as an SME / Systems Engineer / Test Engineer for a US Army Intelligence System and provided national level accreditation support for systems around the world. Alan served as an accreditation team member the Project Management liaison between the US Army units around the world and the National Security Agency (NSA) and the Department of the Army (DA) security accreditors to ensure system security of the Top Secret systems. Alan generated and verified all test documentation utilized for NSA and DA accreditation testing and properly captured all test results within formal test reports.

F. Hourly Rates

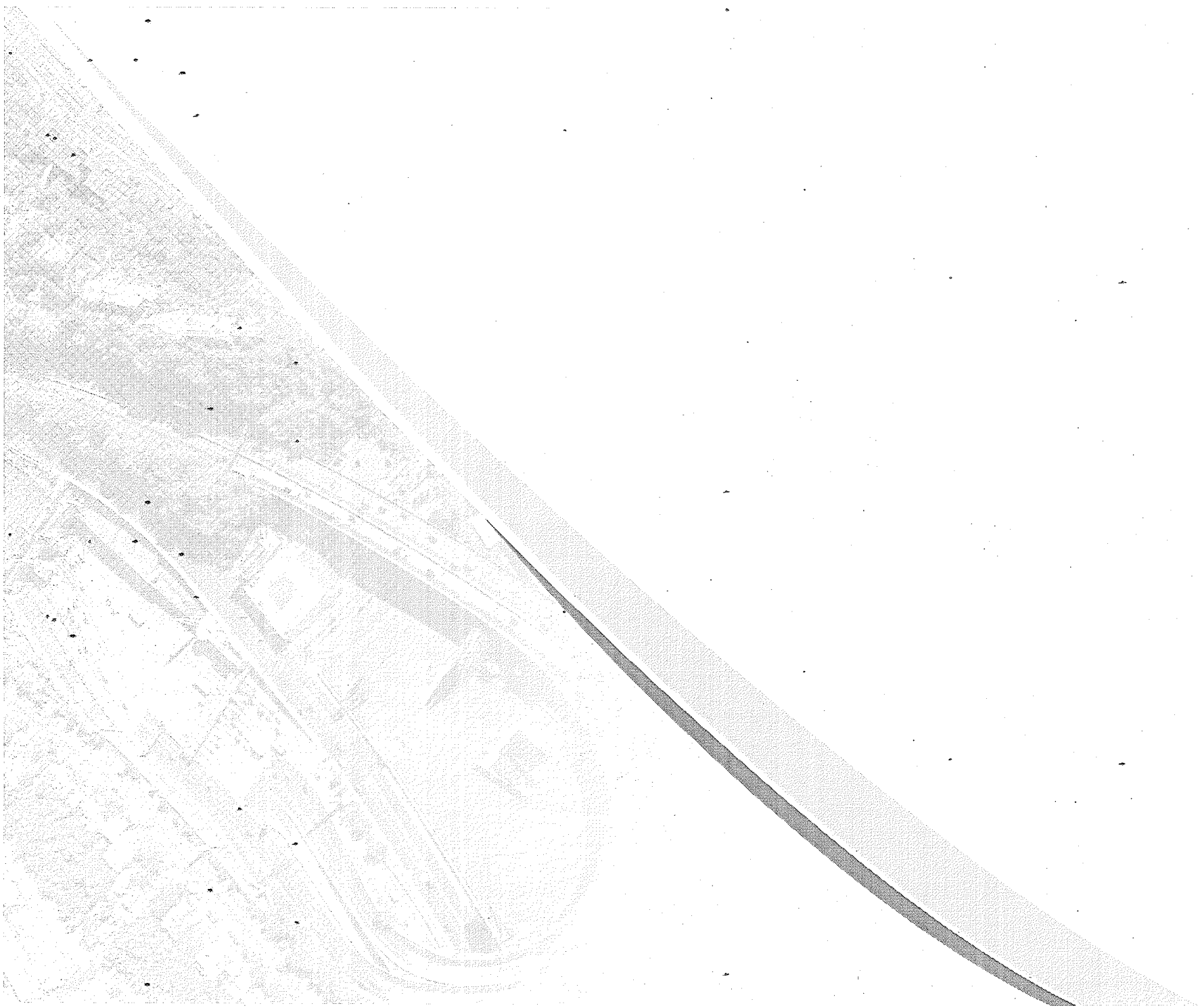
2014 Actual Hourly Rates for proposed employees:

Name	Firm	Title	Hourly Rate
G. Nunes	PB	Principal-In-Charge	$300.00/hr*
G. Chi	PB	Project Manager	$79.79
R. Crawford	PB	QA/QC	$85.38
R. Moran, PE	PB	Civil/Structural	$92.28
G. Colban, PE	PB	Civil/Structural	$115.30
T. Marko, PE	PB	Civil/Structural	$81.76
M. Hanna, PE	PB	Civil/Structural	$42.44
M. Markowitz, PE	PB	Civil/Structural	$76.67
J. Prokop, PE	PB	Civil/Structural	$62.09
P. Pan, PE	PB	Civil/Structural	$74.78
R. Antonios, PE	PB	Civil/Structural	$69.11
G. Castro, PE	PB	Civil/Structural	$64.90
M. Tagliaferro	PB	Civil/Structural	$88.04
A. Zajac, PE	H/MTL	Civil/Structural	$45.00
L. Ford, PE	H/MTL	Civil/Structural	$45.67
Y. Huang, PE	H/MTL	Civil/Structural	$43.27
M. Ninnisai, PE	H/MTL	Civil/Structural	$43.27
R. Burger	MT	Civil/Structural	$75.71
R. Kissoon	PB	Office Engineer	$31.33
M. Perez, PE	PB	Office Engineer	$55.96
A. Himaia	PB	Office Engineer	$56.22
I. Parbhunath, PE	PB	Inspector	$56.84
J. Castro	PB	Inspector	$40.83
D. Lochard, EIT	PB	Inspector	$59.00
A. Weddell	PB	Inspector	$52.32
J. Conroy	PB	Inspector	$54.42
S. Samuel	PB	Inspector	$38.07
B. Ahmed	PB	Inspector	$75.09
D. Bell	PB	Inspector	$39.60

A. Livshatz	PB	Inspector	$52.00
J. Marecki	PB	Inspector	$59.00
D. Upadhyaya	H/MTL	Inspector	$45.00
M. Neil	H/MTL	Inspector	$37.00
D. Ridulfo	H/MTL	Inspector	$35.00
M. Petrescu	H/MTL	Inspector	$37.00
O. Olatunbosun	H/MTL	Inspector	$37.00
W. Giraldo	H/MTL	Inspector	$37.00
D. Guilas	H/MTL	Inspector	$37.00
N. Chintanippu	H/MTL	Inspector	$36.00
W. Castaneda	H/MTL	Inspector	$35.00
S. Pereira	H/MTL	Inspector	$37.00
M. Pantke	H/MTL	Inspector	$37.00
W. Giraldo	H/MTL	Inspector	$37.00
S. Parajuli	H/MTL	Inspector	$45.00
H. Kim	H/MTL	Inspector	$45.00
W. Grooms	JCMS	Inspector	$48.12
G. Atsalis	JCMS	Inspector	$46.48
M. Kashid Syed	JCMS	Inspector	$45.39
I. Barnett	LPE	Inspector	$50.40
J. Cernadas	LPE	Inspector	$35.70
R. Stribling	LPE	Inspector	$53.03
R. Eisbold	MT	Inspector	$55.62
A. Bright	MT	Inspector	$45.97
D. DeNicolo	PB	Scheduler	$63.24
G. Simmons	PB	Scheduler	$77.54
M. Nambiar	JCMS	Scheduler	$89.14
I. Fisher	PB	Estimator	$78.83
K. Gandhi	JCMS	Estimator	$46.42
K. Meehan	JCMS	Estimator	$67.01

Note: this represents a sampling of the personnel available for this call-in assignment.
OH rates used will be those proposed and agreed to by PANYNJ for each firm.
* Indicates Billing Rate

G – Relevant Experience



G. Relevant Experience

As a multi-disciplined planner, designer and construction manager, PB brings a superior resource pool of highly skilled professionals available to serve the needs of the Authority. The firm has been successfully providing Construction Management services on a call-in basis to multiple agencies in the New York/New Jersey region including the current call-in with PANYNJ that we have held for over the past 8 years. Under the direction of *Garry E. Nunes, Senior Vice President*, the firm offers comprehensive professional construction management capabilities. The expertise of our professional staff spans all project phases from conceptual planning, design, and pre-construction through construction and facility commissioning.

PB enjoys our current standing as Engineering News Record's highest ranked Construction Management firm that maintains its corporate headquarters in New York State. As a direct result, we can offer the full toolbox of services with locally based resources from every discipline including many specialties such as LEED Accredited Professionals, specification writers and a vast cadre of estimating, scheduling and other construction management support staff. PB, one of the nation's preeminent construction management firms, is presently managing the construction of public projects with a combined capital program value exceeding $50 billion.

PB delivers professional construction management services tailored to the size and complexity of any given project. On complex assignments involving numerous projects and contractors, PB's construction management services typically begin during design, and continue through construction and close-out.

- Pre-Construction Services – PB is currently providing constructability and design reviews, construction phasing and logistics, contract strategy development, bid package reviews, cost projections and estimating, value engineering, critical path method scheduling, and other services for numerous projects in the region.
- Construction Services - The firm is currently managing some of the most high profile and complex construction projects in New York area and New Jersey collectively valued in excess of $10 billion. The firm is or has recently been engaged in such significant local projects as:

    - the $3.6 billion Second Ave Subway for MTA Capital Construction
    - the $3.4 billion World Trade Center Transportation Hub for the PANYNJ
    - the $1.4 billion Fulton Street Transit Center for the MTA
    - the $2 billion New Jersey Turnpike Widening project for NJTA

Assignments include the simultaneous management of multiple construction contractors, extensive quality control/quality assurance inspections, interface coordination with building tenants and multiple agency stakeholders, working within occupied facilities, claims prevention and analysis, and the interaction with facility operations for testing, start-up, commissioning and training. In addition, PB is engaged in the management of numerous renovation and

reconstruction projects in the region that require comprehensive environmental remediation services for both hazardous and non-hazardous materials.

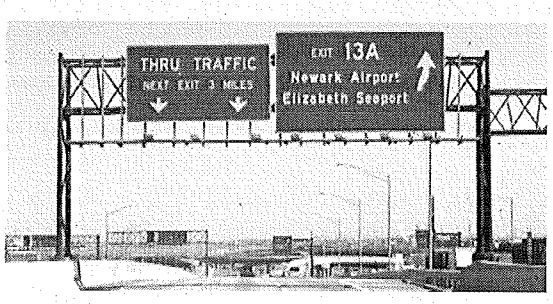
- Call-In and Term Contract Experience – PB currently provides professional services in an efficient and cost effective manner on a call-in basis for multiple New York and New Jersey agencies, including but not limited to:
  - The Port Authority of New York & New Jersey
  - New York State Office of General Services
  - NYC MTA – Long Island Railroad
  - New York City School Construction Authority
  - The General Services Administration
  - United States Postal Service
  - Federal Emergency Management Agency
  - NJ Department of Transportation
  - NJ Transit

Tasks consist of both individual position assignments as well as projects requiring a complete management staff. Assignments are both long and short term, and are performed at the project location, the client's offices and/or PB's offices. The following table offers a sample of our similar call-in agreements:

NY Region CM Call-In and Term Agreement Experience	
Project	Duration
PANYNJ Call-In Construction Management Services	8 yrs +
PANYNJ Call-In Traffic Engineering Services	7 yrs +
NYSOGS Construction Management Term Agreement	12 yrs +
NYCSCA Professional Management Staffing Service	12 yrs +
PANYNJ Call-In Structural Engineering Services	27 yrs +
PANYNJ Call-In Tunneling Technology Services	6 yrs
PANYNJ Call-In Facility Condition Surveys	3 yrs
PANYNJ Call-In Program Management for Security Projects	5 yrs
PANYNJ Call-In Geotechnical Engineering Services	10 yrs
PANYNJ Call-In Aviation Services	3 yrs
PANJYNJ Call-In Mechanical Engineering Services	6 yrs

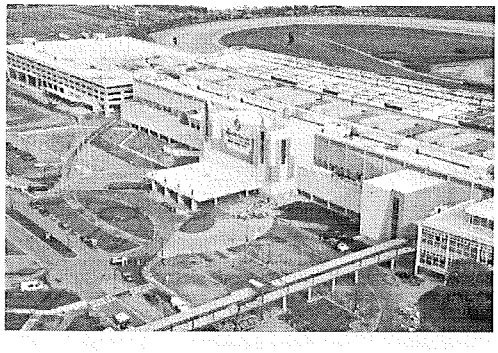
The Authority has the unconditional commitment of PB and Mr. Nunes that all services will be delivered professionally, efficiently and to the professional standards set by the Authority. PB is prepared to continue to deliver exceptional people and responsive top quality services on each and every assignment. We have selected the following recent projects to demonstrate PB's capability to serve every need of the Authority:

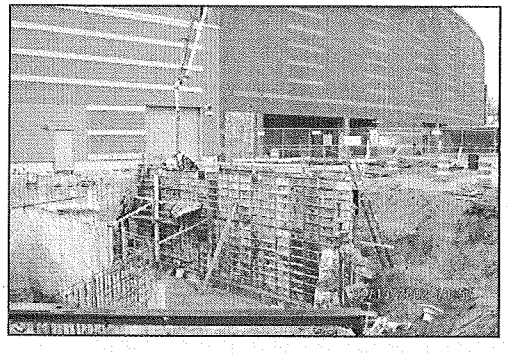
Project Name/Location	PANYNJ Call-In – 2006-2010 and 2011-2014 (ongoing), NY & NJ
Client Name/Contracting Entity	Port Authority of New York and New Jersey
Brief Description of Scope of Work	PB has been providing Construction Management and Related Services for the Authority on a Call-in Basis during 2006-2010 and 2011 to 2014 periods. Projects may be located at the various Authority facilities, including terminals, bridges and tunnels; JFK, Newark, LaGuardia and Teterboro Airports; the PATH Rail System; New York and New Jersey marine terminals and other facilities. PB is providing a full range of construction management and inspection on an as-needed basis, including pre-construction, construction and post-construction services. The firm has provided Construction Management and Inspection Personnel for projects at different PANYNJ facilities. This project is ongoing and within schedule and budget.



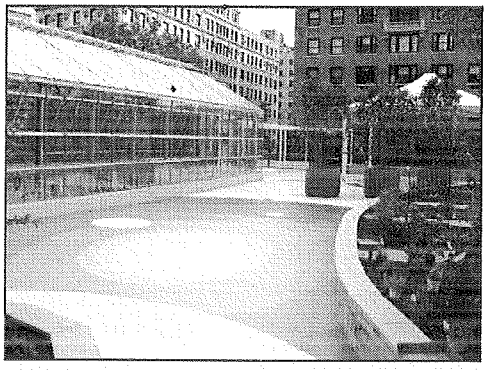
Client Contact Name	Paul Salvatore, PE
Client Contact Email Address	psalvato@panynj.gov
Client Contact Phone Number	201-595-4892

Project Name/Location	OGS On-Call – 2004-2007, 2007-2010, 2010-2013, 2013-2015 (ongoing), NY
Client Name/Contracting Entity	New York State Office of General Services
Brief Description of Scope of Work	PB, as the prime consultant, performed construction management services statewide on a call-in basis for various projects over four (4) consecutive three-year terms. Projects include New York State-owned facilities representing various State agencies and demand a broad range of services from pre-construction through construction and closeout services, similar to the requirements of the proposed agreement with the Authority. In total, 180 different personnel performed services on either a full-time or part-time basis for NYSOGS during these term agreements throughout New York State. Services included scheduling, estimating, civil inspection, mechanical inspection, electrical inspection, project management, project controls, office engineering and computer aided drafting and design (CADD). This project is ongoing and within schedule and budget.
Client Contact Name	Harry Williams, PE
Client Contact Email Address	[redacted]
Client Contact Phone Number	





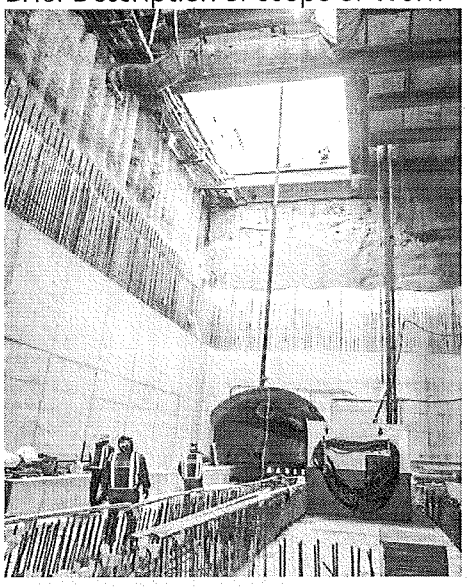
Project Name/Location	NYCSCA Call-In - 2004-2007, 2007-2010, 2010-2013, 2013-2015 (ongoing), NY
Client Name/Contracting Entity	New York City School Construction Authority
Brief Description of Scope of Work	PB performed Construction Management services as the Prime Professional Staffing consultant for the NYCSCA. PB provided project team members working directly within the NYCSCA organization in various levels of project construction managers for a multitude of projects over a three-year term. Projects ranged from renovations and upgrades to construction of new facilities. PB employees performed a broad range of services from pre-construction through construction phase and closeout services similar to the requirements of this Request for Proposal. More than 40 PB personnel were assigned on a full-time basis to the SCA during this term agreement. As a preferred provider of CM services to the SCA, *PB was awarded a fourth consecutive contract beginning in 2013.* This project is ongoing and within budget.



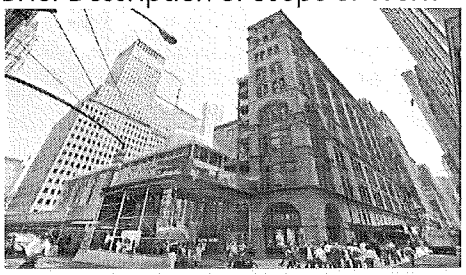
Client Contact Name	Gordon Tung, PE
Client Contact Email Address	[redacted]
Client Contact Phone Number	

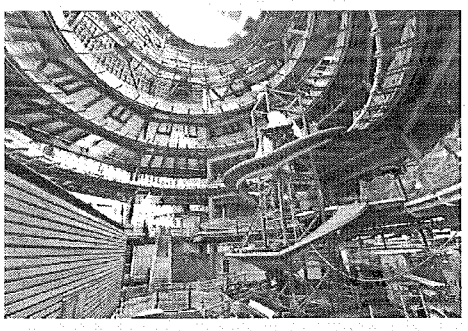
Project Name/Location	CM Support Services for Runway Safety Area (RSA) Program at SFO
Client Name/Contracting Entity	City and County of San Francisco
Brief Description of Scope of Work	Parsons Brinckerhoff is the prime consultant augmenting SFO staff and supporting them in the performance of the RSA Program that successfully met the critical August 2014 open deadline set forth in the SFO Master Plan. During the execution of this contract, Parsons Brinckerhoff is managing risks for the Airport and anticipating and mitigating those risks. Through Partnering with the RSA program team, including: SFO, FAA, contractor and program manager, Runways 1-19 which was scheduled to be shut down for four months opened one month ahead of schedule. Parsons Brinckerhoff's role includes: FAA Coordination; Project Scheduling; Project Controls and Reporting; Quality Material and Construction; FAA NAVAID Construction Support; Construction Management and coordination of; Concurrent Projects (Phase I (R/WS 10-28s); and Phase II (R/W 1-19s). Parsons Brinckerhoff is providing labor, equipment, material and construction management support services for Phase I and Phase II of the RSA Program, which are required to support Airport staff with NAVAIDS design and overall construction management of this Program. The RSA Program involves enhancements to Runways 10-28s (Phase I) and 1-19s (Phase II) necessary to comply with Public Law 109-115 requiring airport sponsors to enhance RSAs according to Federal Aviation Administration (FAA) airport design standards by no later than December 31, 2015. The first phase of the Program was completed in 2013. Phase II was completed August 8, with the planned opening of Runways 1-19s. The RSA program at SFO will complete the mandated RSA work almost a year and a half before the December 2015 FAA mandated deadline.
Client Contact Name	Jim Chiu, PE
Client Contact Email Address	[redacted]
Client Contact Phone Number	

Project Name/Location	Second Avenue Subway, Phase 1, New York City, NY
Client Name/Contracting Entity	New York City Transit/MTA Capital Construction Company
Brief Description of Scope of Work	Consultant Construction Management Services for Phase 1 of the Second Avenue Subway project, which entails resident engineering and inspection services, design/ constructability reviews, contract management and administration, project controls, utility coordination, maintenance and protection of traffic, management of contract interfaces for six concurrent contracts, commissioning and startup, and project closeout. Phase I entails 1.5 miles of two-track tunnels from 96th to 63rd Streets along Manhattan's East Side, constructed using TBD tunneling and drill-and-blast excavation; three new stations and extensive rehabilitation of the 63rd Street Lexington Avenue Station to accommodate the new line; and access shafts and the TBM launch box. The project also involves extensive utility relocations and maintenance and protection of traffic to maintain four lanes at all times. This project is ongoing and within budget.
Client Contact Name	Anil Parikh, PE
Client Contact Email Address	[redacted]
Client Contact Phone Number	

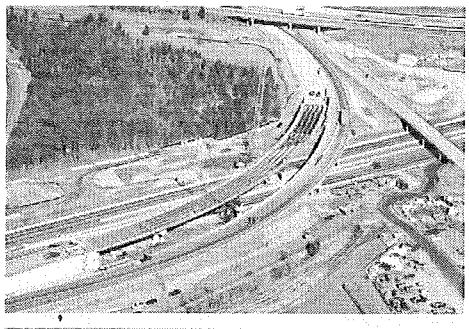


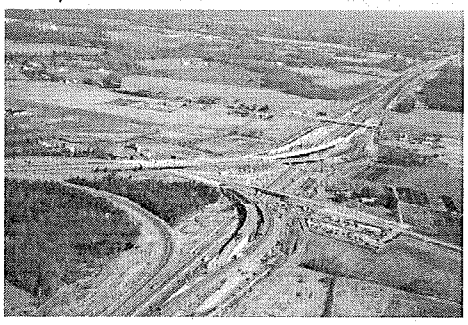
Project Name/Location	Fulton Street Transit Center, New York City, NY
Client Name/Contracting Entity	New York City Transit/MTA Capital Construction Company
Brief Description of Scope of Work	In joint venture, Parsons Brinckerhoff is serving as Consultant Construction Manager responsible for providing preconstruction services during the project's design phase, technical assistance during bid and award, and construction management of all contracts during construction and closeout. The project will transform the existing Fulton Street Station complex into a modern hub connecting stations serving the A/C, J/Z, E, 4/5, R, and 2/3 subway lines. It will also provide access to PATH trains and the redeveloped World Trade Center site via the Dey Street Connector, a new underground passageway. The transit hub will also feature more than 30,000 square feet of retail space. The project, which comprises 11 separate construction contracts, involves construction of the new transit center's foundation and building, demolition of various commercial and office buildings necessary to clear the site; cut-and-cover construction of the Dey Street Connector tunnel; various subway station improvements to improve circulation and connectivity; and extensive utility relocation and maintenance and protection of traffic planning given the project's location in a densely developed and heavily travelled area in Lower Manhattan. This project is ongoing and within budget.
Client Contact Name	Uday Durg
Client Contact Email Address	[redacted]
Client Contact Phone Number	



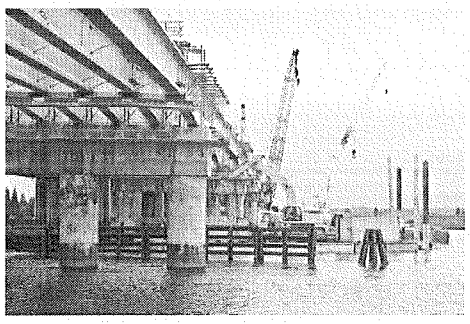


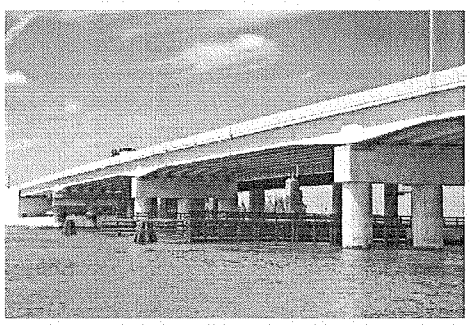
Project Name/Location	New Jersey Turnpike Widening, Interchanges 6-9, Burlington, Mercer and Middlesex Counties, NJ
Client Name/Contracting Entity	New Jersey Turnpike Authority
Brief Description of Scope of Work	In joint venture, Parsons Brinckerhoff is serving as construction manager responsible for program-wide scheduling, cost control, progress reporting, utility relocations, fabrication inspection, materials testing, and construction supervision and inspection of 18 construction contracts. Construction activities will include replacing and lengthening more than 20 bridges over the turnpike; constructing turnpike bridges over waterways and local streets; reconstructing Interchange 6; relocating toll plazas; realigning ramps; constructing new toll plazas; relocating major utilities; and other features, including MSE walls, noise barriers, VMS signs and service area access flyovers. Approximately 170 additional lane miles will be constructed during this program, which extends over 34 miles of the Turnpike, through 11 communities and 3 counties in central New Jersey. This project is ongoing and within budget.
Client Contact Name	Larry Williams
Client Contact Email Address	[redacted]
Client Contact Phone Number	



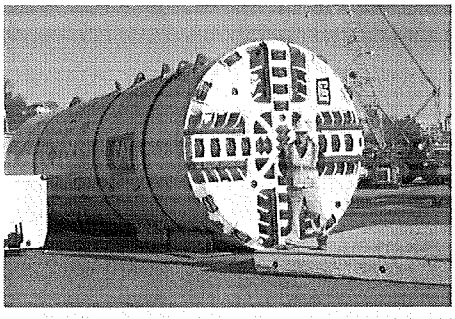


Project Name/Location	Mullica River Bridge Rehabilitation/Widening, Bass River Township, NJ
Client Name/Contracting Entity	New Jersey Turnpike Authority
Brief Description of Scope of Work	Construction supervision services for two separate construction contracts: construction of a new 1,230-foot-long, six-span, prestressed concrete spliced girder bridge that will carry three lanes of northbound traffic; and the rehabilitation, deck replacement and site-specific seismic retrofit design of the existing 980-foot-long, eight-span steel girder/ floorbeam/stringer bridge that will carry three lanes of southbound traffic. Both bridges will carry the Garden State Parkway and Route 9 over the Mullica River. The new bridge was constructed parallel to the existing structure using large-diameter drilled shafts with self-consolidating concrete (SCC) that enabled the project to be finished within the required time frame and with ample foundation capacity. Due to regulatory requirements, all in-water construction could be performed only between July 1st and December 31st. Protected shellfish beds and designated wetland areas adjacent to the project site also required that disturbance to the river environment be kept to a minimum. Three 8-foot-diameter (2.4-meter) drilled shafts at each pier location were selected to ensure in-water construction would be completed within the designated time period. This project was completed on time and within budget.
Client contact Name	Rick McNeil
Client Contact Email Address	[redacted]
Client Contact Phone Number	

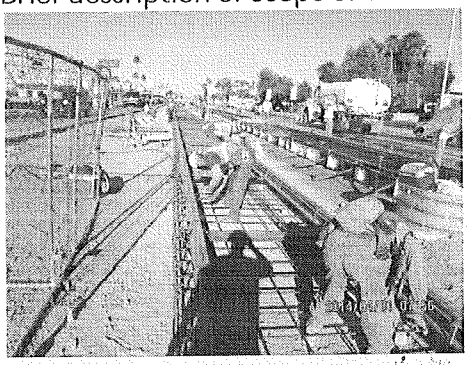




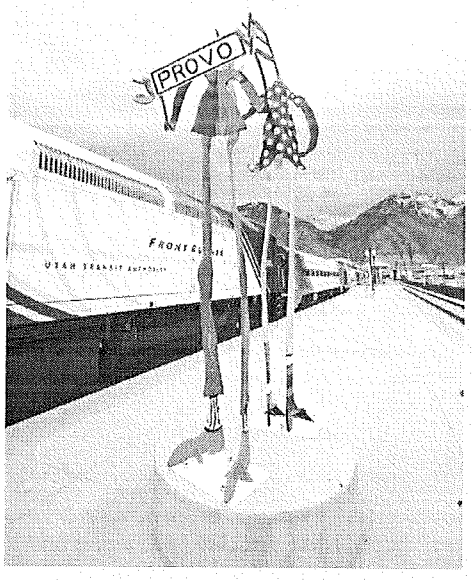
Project Name/Location	Water Siphon Replacement, Brooklyn-Staten Island, NY
Client Name/Contracting Entity	New York City Economic Development Corporation
Brief Description of Scope of work	In joint venture, Parsons Brinckerhoff is providing resident engineering and construction inspection services, including construction management, change control, contract administration, quality assurance, critical path method (CPM) scheduling, cost estimating, cost management, fabrication inspection, materials testing and progress reporting for the replacement of an existing water siphon between Brooklyn and Staten Island. In addition, we are providing oversight for construction of two microtunnels under the Staten Island Railroad and the installation of the new 72-inch steel water transmission main encased within a one-pass liner constructed by an earth-pressure balance (EPB) tunnel boring machine (TBM). The existing water siphons must be removed to allow for dredging and deepening of the Anchorage Channel to accommodate increased cargo volumes and the larger, next-generation "Post-Panamax" vessels into the Port of New York and New Jersey. The new water transmission main between Bay Ridge in Brooklyn and Stapleton and Tompkinsville in Staten Island is being constructed 100 feet beneath the surface and will be connected to the local water distribution network by installing 6,545 feet of new water mains in Staten Island and 1,710 feet of new mains in Brooklyn. This project is ongoing and within budget.
Client contact Name	Brian Larsen
Client Contact Email Address	[redacted]
Client Contact Phone Number	



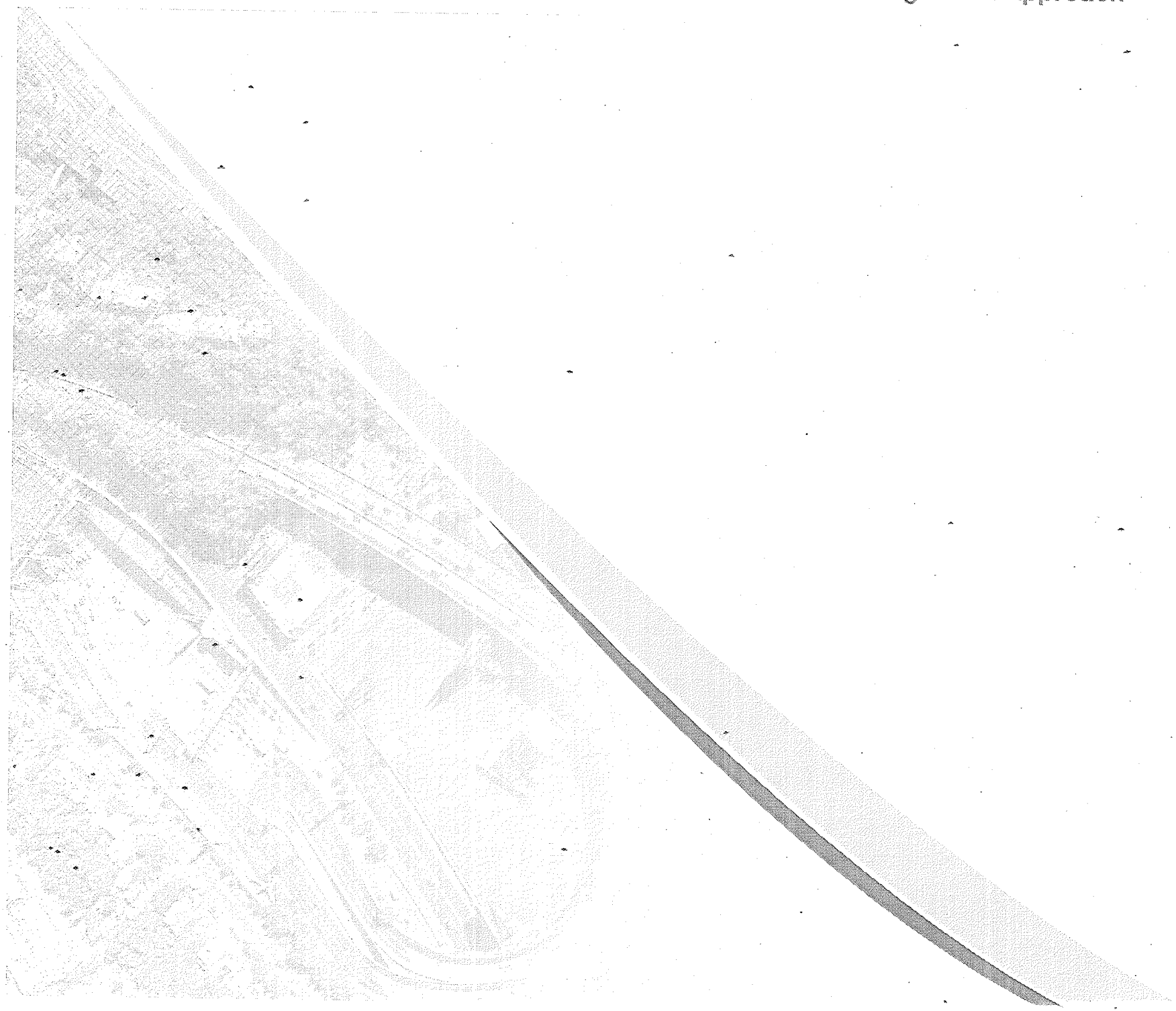
Project Name/Location	Valley Metro Rail Program/Construction Management Services, Phoenix, Tempe and Mesa, AZ
Client Name/Contracting Entity	Valley Metro Rail, Inc.
Brief description of Scope of work	Under a task-order contract scenario, Parsons Brinckerhoff is a joint venture partner providing program and construction management services for four extensions of the Central Phoenix/East Valley Light Rail Transit System in the Phoenix Metropolitan area. Construction has begun on the 3.1-mile Central Mesa Extension and the 3.2-mile Phase 1 segment of the 5-mile Northwest Extension. Future extensions include the 2.6-mile Tempe Streetcar, Phase 2 of the Northwest Extension, and the 11-mile Phoenix West extension. Parsons Brinckerhoff is leading specific tasks, including: • Project/program management • Quality oversight • Cost estimating • Project controls/programming • Constructability review • Specification review • Document control • Value engineering • Claims mitigation • Construction Administration and Inspection–Central Mesa and NW extensions This project is ongoing and within budget.
Client Contact Name	Martin Spong
Client Contact Email Address	[redacted]
Client Contact Phone Number	



Project Name/Location	FrontRunner Commuter Rail System, Salt Lake City, UT
Client Name/Contracting Entity	Utah Transit Authority
Brief Description of Scope of Work	Program and construction management services for development of two commuter rail lines serving the Salt Lake City, Utah area. The $650 million FrontRunner North project from Salt Lake City to Pleasant View, which opened for revenue service in 2008, entails 44 miles and 8 stations. The $850 million FrontRunner South from Salt Lake City to Provo, which opened in 2012, comprises 45 miles and 8 stations. As program manager for development of the commuter rail program, we oversaw and managed the program from the concept stage through the construction and testing/start-up phase. We were responsible for establishing the program's development plan, procurement planning, public outreach, financial planning, technical concept development, vehicle selection, vehicle procurement oversight, and management and oversight of project contracts. We developed an integrated project controls system for project scheduling, cost, document control, budgets and scopes, and risk tracking, and are providing scheduling and program experts to integrate different functions into the project control tools. The contractor was procured through a construction management/ general contractor (CM/GC) agreement. This project delivery method combined final design and construction into a single design-construct stage. FrontRunner North was one of the largest projects (and one of the only FTA New Starts projects) to use the CM/GC method, which allowed Parsons Brinckerhoff to provide value engineering services that saved UTA $18 million in bid costs. This project was completed on time and within budget.
Client Contact Name	Steven Meyer
Client Contact Email Address	[redacted]
Client Contact Phone Number	



Project Name/Location	Gilmerton Bridge Replacement, Chesapeake, VA
Client Name/Contracting Entity	Virginia Department of Transportation, Hampton Roads District
Brief Description of Scope of work	Construction and risk management services for replacement of the Henry G. Gilmerton Bridge, a four-lane, double-leaf bascule bridge, and its approaches with a four-lane (expandable to six lanes) state-of-the-art vertical lift span bridge. The $140 million project was constructed in three phases to allow 35,000 vehicles per day and maritime traffic to be maintained while the new bridge was built in parallel alignment underneath and over the existing bridge. • Phase I involved shifting four lanes of traffic to two lanes; constructing the approach spans, lift span (off site), 12-foot drilled shafts and bridge towers; and installing the bridge's mechanical/electrical components. • In Phase II, the lift span for the new bridge was floated by barge from the offsite assembly location to the project site—a process that required a 14-day closure of the existing bridge and a 10-day closure of the harbor channel. Activities included deconstructing and removing the existing bascule leaves and attaching the new lift span to the towers. • Phase III consisted of demolishing the existing bridge and constructing the north approach spans and a new fender and dolphin protection system. Parsons Brinckerhoff developed a precedent-setting risk management plan, in which the owner and contractor agreed to manage risk jointly. This created a proactive approach to identify and mitigate potential risks before they become problematic, which saved VDOT money, time and resources. This project is ongoing and within budget.
Client Contact Name	Robert "Bud" Morgan, PE
Client Contact Email Address	[redacted]
Client Contact Phone Number	



H. Management Approach

Parsons Brinckerhoff has assembled a team of experienced construction management and inspection specialists, cost estimators, schedulers, and contract administrators to provide ample resources to meet the staffing requirements outlined in the Request for Proposals. With more than 1,000 construction, engineering, planning and design professionals located in the New York/New Jersey metropolitan area, we are able to respond quickly to all types of task-order assignments, mobilize rapidly when assigned, and provide expedited services to satisfy Port Authority objectives. Specific to Professional Construction Management Services, our National Director Of Construction Services, Garry Nunes, has worked with the Authority on numerous Construction Management assignments continuously for the past 27 years. As a result, he brings to the Authority a passionate personal commitment and corporate commitment to efficiently serve the needs of the Authority in all regards.

Assignment of Personnel

The nature of call-in or as-needed agreements often requires that Parsons Brinckerhoff personnel be assigned to a particular project or office and work seamlessly within the client organization and report directly to a client supervisor. For our most recent call-in construction management contract with the Authority (2011 to 2014), as well as our ongoing program management contract with the Authority for the $1 billion security upgrade at all Port Authority facilities, our staff report directly to an Authority supervisor and we operate seamlessly as a top to bottom integrated team.

Parsons Brinckerhoff is extremely familiar with working as an extension of its client's staff and is fully prepared to meet every expectation of the Authority in a timely fashion. Our management team understands the importance of staffing individual assignments with personnel who have both the technical qualifications and interpersonal skills to work effectively within the Authority's organization. Some of the key issues that are considered in the selection of personnel to be proposed for assignment to the Authority include:

- Technical qualifications and certifications
- Construction management and inspection experience
- Prior experience on Port Authority assignments
- Prior experience on the specific Port Authority facilities
- Ability to function as a team member
- Specialized technical training
- Interpersonal skills
- Ability to work independently or in groups
- Work ethic
- Geographic location in relation to the proposed assignment

Upon receipt of a Request for a competitive Task Order, our Project Manager Gerry Chi will consult with our Principal-in-Charge Garry Nunes to identify proposed candidates who best meet

the needs of each task order. Mr. Chi will also reach out to our M/WBE subconsultants and send the scope of services for that particular task to solicit potential candidates. After careful evaluation of all potential candidates, we will select those qualified candidates that best meet the technical qualifications while offering the best value to the Authority.

When a task order involves the assignment of multiple staff to perform a specific task, or a detailed technical proposal, we will use the same process to develop the team. Efficient staffing of each position results in the most qualified team providing the best value to the Authority.

This approach to responding to as-needed task orders has proven to be highly successful for all of our clients that we serve under similar "call-in" agreements. Parsons Brinckerhoff can confidently assert that we will provide added value to the Authority under this agreement.

Detailed Staffing Plan

The Parsons Brinckerhoff Team's detailed Staffing Plan and organization chart are presented in the Staff Qualifications and Experience Section (Section B) of our technical proposal.

Tracking System

A key element of effective communication is efficient document control and the use of a simple and intuitive tool for tracking deliverables, controlling costs, and managing open items for quick resolution. For this contract, Parsons Brinckerhoff offers to utilize our proprietary, secure, web-based project management and collaboration tool, ProjectSolve, wherever practical.

ProjectSolve allows project teams of all sizes to communicate easily regardless of their location. Tailored for the AEC industry, ProjectSolve adapts to unique business processes and methodologies, while leveraging existing IT investments. It is an important tool that fosters smooth and effective teamwork and integration by enabling the distribution of real-time project information to allow for timely decision making and actions.

ProjectSolve streamlines planning and decision-making, enhances communication and preserves project information by linking team members and agency stakeholders into a secure, shared – collaborative – information management environment. Within this shared environment, users have access to project-specific content, collaboration tools and process management solutions.

Keeping the Authority Informed

Project Management Plan - Parsons Brinckerhoff's approach to delivering quality professional services in conformance with the Authority's standards starts with the preparation of a Project Management Plan (PMP). Based on the Authority's Scope of Services, Parsons Brinckerhoff will prepare the PMP – a quality control document that identifies who performs specific services, the quality acceptance criteria, when services are to be delivered, frequency of reporting, and project close-out procedures.

The information maintained in the PMP is finalized upon project completion. The final version of the PMP serves as the technical closeout report and will be forwarded to the Authority. The PMP will document the methods our Project Manager Gerry Chi will use to monitor and control project performance with respect to scope, schedule, and budget. Specific methods will be determined by the PM and will be appropriate to the type, complexity, and magnitude of the project and services provided. Project records will be sufficient to provide objective evidence that the processes related to monitoring and controlling project performance are being implemented.

Continuous Communication - The project management plan simply provides a structure for reporting and provides a guideline to meet contractual requirements. Continuous communication with Authority personnel on each assignment both at the project level and from the corporate level are required for successful services.

The construction management and inspection personnel of Parsons Brinckerhoff are well prepared to work closely and cooperatively with the Authority, other consultants, and contractors. We recognize that *effective and efficient communication between our staff, the Authority project personnel, and facility personnel is critical to project success.* Virtually all of our current construction management assignments involve interdependencies with owner's representatives, design consultants, outside agencies and multiple construction contractors. We train our professional staff to manage and facilitate project communications in the best interest of our clients.

Because of our extensive task order agreement experience, the majority of our personnel are skilled in working within client organizations as an extension of their staff. That experience provides such individuals with an in-depth understanding of the important interdependencies between project participants. Parsons Brinckerhoff management team and our staff understand that our success can only be built on the success of the Authority.

Quality Control/Quality Assurance

Parsons Brinckerhoff's dedication to quality is a long-standing commitment to ensure client satisfaction through our formal quality system. To further its commitment to quality, Parsons Brinckerhoff embraced ISO 9001, a quality system recognized worldwide. We found that an orientation around the ISO standards provides an effective framework and structure for the development of project-specific quality management, and gives our project managers an efficient means to arrive at the optimum project plan.

In 1998, Parsons Brinckerhoff was the first nationwide provider of program and construction management (PM/CM) services to undergo the rigorous preparation and training to successfully become certified and implement an ISO 9001 compliant quality system. This entailed an extensive corporate commitment to ensure that internal operations and projects are performed consistently, completely, and in fulfillment of our clients' requirements. Parsons Brinckerhoff uses the system to assure our clients that we have a management system in place that will help deliver

a quality product. Since it is a renewable process, it forces member firms to maintain their quality levels in preparation for internal and independent audits.

Our internal audits verify that our teams are not only performing all internal requirements to maintain our certification but are also meeting the quality requirements of the contract. The Parsons Brinckerhoff Team's quality assurance (QA) program will establish a specific quality organization and responsibilities, as well as all procedures and documentation required for the work. The QA program will be a part of the overall Project Management Plan for our task order assignment and will provide the Authority a level of confidence that the project is being constructed in accordance with all project requirements.

Technical Approach to Scope of Services

Parsons Brinckerhoff's approach to the performance of services required for successful completion of all tasks to which we are assigned is described in the following sections.

Task A. Constructability/Biddability and General Engineering Review

As an industry leader in construction management, Parsons Brinckerhoff has long been an advocate of integrating the construction perspective early in the design process. With our comprehensive construction management capabilities, Parsons Brinckerhoff can offer constructability reviews for every type of Authority facility including buildings, terminals, bridges, tunnels, air fields, ports, rail transit, and other projects. With our depth and breadth of professional resources we can quickly assemble a local team of reviewers with the full range of field experience and technical expertise to conduct an in-depth review of the documents. Our team will bring the insight and expertise of hands-on construction managers and technical experts to our analysis.

When it comes to constructability the investment will be returned several times over in reduced project cost and schedule, while minimizing exposure to claims for delays. Our review typically focuses on the following:

- Clearly defined contract interfaces between plan sets and existing structures to reduce disputes and claims
- Efficient and complete bid documents
- Agreement in the documents between various trades (e.g. review to identify physical conflicts between mechanical, structural and electrical plans)
- Staging and phasing issues
- Site access constraints and efficiencies
- Work hours, noise, vibration and environmental restrictions and other constraints that may impact the construction process and equipment usage
- Coordination with facility operations

Parsons Brinckerhoff will prepare a comprehensive report for the Authority detailing our findings, comments and recommendations for enhancement to the project. The objective of these

comments will be to reduce costs, enhance quality, maintain schedule, and minimize the number of potential RFIs, change orders, and extra work requests. The result will be biddable and efficiently buildable construction documents and an effectively maintainable facility.

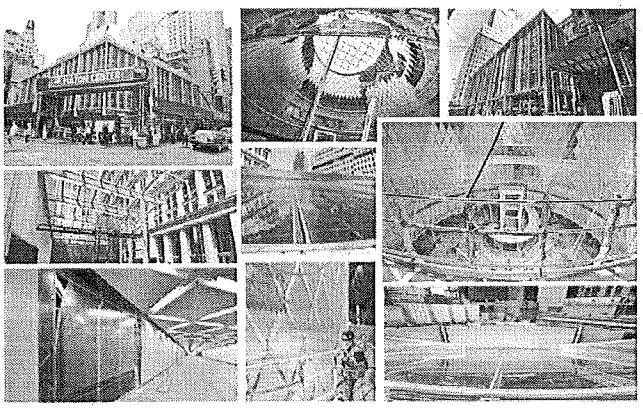
Task B. Construction Staging

With our many years of providing both design and construction management services for some of the most important and complex projects in the New York metropolitan area, Parsons Brinckerhoff understands the importance of a sound construction staging plan. Some of the essential factors influencing construction staging that we consider during a design/plan review include:

- Access during construction for personnel, materials and equipment; movement of materials and equipment are essential in parallel with the cost and schedule
- Laydown and storage availability
- Need for off shift and night work
- Need to maintain positive separation from facility operations (air, rail, port, etc.)
- Natural flow of work
- Effects of adjacent construction on planned operations
- Maintenance and Protection of Traffic Plan considerations, if needed
- Needs of the Authority and its tenants
- Schedule of PANYNJ operations
- Security requirements

Each of the Authority's facilities has its own restrictions and conditions that will affect staging plans. Having experience in all the various types of Authority facilities allows Parsons Brinckerhoff to bring specific expertise to any project.

Parsons Brinckerhoff is also a pioneer in the development and use of 4D modeling, which integrates 2D or 3D models of a project with a time-scaled schedule. This allows instant visualization of the planned construction sequence and staging for even the most complex of projects. *4D modeling has been used very effectively on the Fulton Street Transit Center and World Trade Center Transportation Hub program to quickly and effectively identify and minimize construction conflicts* at the major interface points between the contract packages as well as the restraints to be imposed by ongoing system operations. We have the capability in house in our New York office to support the Authority with this powerful tool on any project assignment.



Parsons Brinckerhoff's use of state-of-the art 4D virtual design and construction (VDC) software enabled the project team to proactively identify and resolve potential conflicts among 11 construction packages for the Fulton Street Transit Center

Task C: Schedule Development and Monitoring

The Parsons Brinckerhoff Team has in-house critical path method (CPM) scheduling experts who work with the Authority and our technical staff to develop and/or review detailed construction schedules. Our scheduling professionals will address the adequacy, completeness, and suitability of the schedule for control of the project. During our development and/or review of schedules, we will focus on:

- Time frames for submittal/approval of shop drawings and samples
- Lead times for delivery of key materials and equipment
- Sequence and overall plan for performing the work, including identification of specific work plans necessary to interface with ongoing operations
- Staging and phasing of activities
- Adequacy of the duration of activities, including the need for additional work periods
- Those specific items of the project that will require input from either the Authority or tenants.
- Identification of mandatory and/or statutory inspections
- Identification work restrictions identified in the contract or mandated by local jurisdictions
- Feasibility of the overall construction plan

A comprehensive report of our schedule analysis will be submitted to the Authority Resident Engineer and Engineer of Construction.

Our schedulers are fully trained in the use of all scheduling software products, particularly Primavera P6. More importantly, our scheduling staff understands the construction process and applies that construction knowledge to the development or review of construction schedules. Parsons Brinckerhoff has provided extensive scheduling services to the Port Authority in our extension of staff role on the Security Upgrade Program for all Authority facilities.

The initial baseline schedule can be developed by Parsons Brinckerhoff or by the construction contractor. Once the baseline schedule has been completed and accepted, the emphasis shifts to time control and reporting. This is an ongoing process that extends through project completion. Time control involves monitoring the progress of all activities against the baseline schedule, including shop drawing status reports, material status reports, and contractor construction progress. *Variances to the schedule are reported to project management for appropriate action of alternative plan development, thus averting potential problems and conflicts before they have been allowed to materialize.*

The cornerstone of project control is the Schedule Report. It includes an update of the master schedule. The report highlights monthly progress, lists goals to be achieved in the upcoming month, identifies potential schedule variances or conflicts, and charts individual contractor performance. For time critical projects, we usually prepare or require the contractor to provide a two week look-ahead schedule every week so more detailed monitoring can be achieved. Our CM teams understand that after identifying any schedule issue that a recovery plan must be immediately coordinated with the contractor to confirm that the schedule can be maintained.

Task D. Quality Assurance Inspection

Parsons Brinckerhoff understands that our resident engineers and inspectors serve as the first line of quality assurance in the construction process on behalf of the Authority's Engineer of Construction and Resident Engineers. Quality inspection requires both technical experience and the sound judgment of the qualified, competent team of Parsons Brinckerhoff and Authority inspectors. As a full service provider of engineering and construction management services, Parsons Brinckerhoff has the experienced inspectors available within the metropolitan area that have the project background in all trades required for any type of Authority facility whether it be from the ground up, or a renovation and rehabilitation.

Our field staff will closely monitor the contractor's work in the field using the procedures established by the Authority. Resident engineers and inspectors will:

- Coordinate the contractor's daily work
- Meet with the contractor to review daily work plans
- Confirm equipment, material and labor availability
- Observe and document conformance of materials with the contract documents and submittals
- Observe the performance of the construction contractor for conformance to the drawings, specifications, codes and standards
- Document conformance and non- conformance of the work
- Verify and document corrective action of any non-conforming work
- Observe and advise the Authority of the contractor's compliance with approved safety and quality plans

Parsons Brinckerhoff personnel are knowledgeable in materials testing programs and will implement the Authority's protocol to schedule, monitor and document all required material testing. Inspection staff will hold required credentials for the inspections they are performing where ACI, ICC, or NACE certification is required. Our Inspectors are trained to notify the Resident Engineer (whether Authority or Parsons Brinckerhoff) immediately upon witnessing any materials, erection or installation processes, or levels of quality that do not meet the requirements of the contract documents and which the contractor does not correct. All inspectors will submit an Inspector's Daily Report using Authority forms. Parsons Brinckerhoff will work seamlessly with Authority staff at all levels from assistant inspectors to resident engineers in delivering quality construction throughout the program.

Task E. Contract Administration

Parsons Brinckerhoff resident engineers, office engineers and records management staff will manage the flow of documents among all project entities as defined and approved in the Authority Procedures Manual. They receive shop drawings, samples, catalog sheets, RFI's, pay requests, QA records, and all correspondence, and act on each promptly and according to the established procedures. Action shall include maintaining logs of all document flow, documented transmittal of documents, pre-review of certain shop drawings, and prescribed document storage. The staff will be fully trained in Authority software database such as CONTRAK and will be

knowledgeable of the PACC process, T&M work and other administrative processes of the Authority. Our staff reviews the log and the engineering program to determine whether:

- The master construction schedule and all short term, look-ahead schedules contain critical submittal dates reflected in the logs
- Submittals from contractors, sub-consultants, suppliers and /or manufacturers are received by the design engineer on time
- Submittals are processed in a timely fashion by the design engineer and returned to the originator and that logs are updated
- Disapproved submittals receive prompt review by the design engineer, the contractor and the field staff, and whether timely corrective action is implemented
- Shop drawings have been approved before associated work or manufacture has begun
- All submittals are maintained on file

Parsons Brinckerhoff staff will fully support the Authority in all other contract administration matters including participation in contract status meetings. In addition to having experience in nearly every construction management and inspection database tool such as Primavera Contract Manager Parsons Brinckerhoff also has the ability to provide program level management through our proprietary project management Information System (PMIS) or our ProjectSolve database tool.

Task F: Cost Engineering/Estimating Services

Parsons Brinckerhoff will provide cost engineering and estimating throughout the design and construction process in accordance with the Authority's "Construction Estimating Guide". During the process we have the capability to prepare or review the individual engineer's estimates to be submitted with each bid package at the various stages of design. The phase submissions for each project design increase in level of detail and completeness and our efforts will be applied accordingly. We will take a contractor's approach/methodology to preparing or analyzing the estimate. Our approach to estimating is to work within the guidelines established for the project under the direction of the Program Manager and provide our independent review and recommendations for adjustments to unit costs and bid item breakouts where necessary. We will give consideration to recent cost results and trends, actual material/labor/equipment costs, quantity breakouts (cy, sf, lbs, lump sum), risk factors, constructability comments, and general conditions when determining the appropriateness of the unit costs provided in the design estimate.

We will concentrate on identifying major cost drivers and validating bid package strategies. Known cost drivers can be divided into 3 primary categories:

1. *Labor* – Availability, wage escalation, and the ability to reduce through accelerated construction

2. *Equipment* – Contractor (Availability, operating expense) Facility – Equipment (types and manufacturers)

3. *Materials* – Trends and alternatives for cost drivers such as structural steel, reinforcing steel, structural concrete, copper wire, conduit, etc.

For long term and larger construction projects, Parsons Brinckerhoff will review the most up to date national and local economic data available to verify that appropriate escalation rates are utilized. As the project progresses through the design phases towards 100% we will continue to verify that previous comments have been addressed and that the appropriate unit costs have been applied based on the updated designs and most recent cost data available.

Task G. Resources

Parsons Brinckerhoff prides itself on the quality and integrity of our professional staff and their ability to integrate easily into the Authority's project organization. We have staffed numerous positions across the City and State under our existing agreements with the Authority, and are prepared to continue to provide available resources where and when needed by the Authority. The organization chart and resumes included in the section labeled as Resumes represent some of the available professional resources that Parsons Brinckerhoff and our subconsultants have to offer.

Parsons Brinckerhoff has enlisted the services of a team of subconsultants to supplement our in-house resources and enhance our ability to respond to multiple task-order assignments simultaneously. We selected these subconsultants based on their proven ability to deliver services as demonstrated on previous projects where we have worked together as well as their experience with the Port Authority.

Hirani/Municipal Testing (M/DBE) – Civil/Structural Inspections

Hirani Engineering & Land Surveying, P.C. (Hirani), based in Jericho, New York, provides civil and structural engineering, land surveying, construction inspection/management, site safety and special inspection services. The firm's market sectors include transportation (highway, bridge, and rail infrastructure); building and facility projects inclusive of schools and colleges, medical care, housing, waste water treatment, commercial and site development; and municipal engineering. Hirani has a highly experienced staff of NICET and NACE certified inspectors as well as inspectors who are certified for lead abatement and asbestos handling. The firm's inspectors ensure that contractors adhere to specifications, building codes, and quality standards. The focus of the construction inspection services is the completion of construction projects on time, within budget and in compliance with the contract documents.

Hirani has provided, and continues to provide, a range of services to the Port Authority under call-in, as-needed services contracts, including:

- Call-In Contract for Construction Management Services during 2007, 2008 and 2009 (Prime)
- Call-In Contract for Land Surveying Services during 2007, 2008 and 2009 (Prime)
- Performance of Expert Professional Construction Management Services on a Call In Basis during 2012 (Prime)

- Terminal B Rehabilitation at Newark Liberty International Airport
- Terminal 4 Head House "Delta" Site Safety Inspection at JFK International Airport

Hirani Special Inspections and Testing, part of the Hirani Group, also a M/DBE firm and NYC DOB approved special inspection agency firm #000679, along with Municipal Testing Lab (MTL), work closely together on various projects in and around New York City. MTL is also an approved NYC DOB agency firm #000250 and a NYC approved special inspection Lab #19. In this association between the two firms their relationship has taken the form of a JV arrangement or a simple prime sub, depending on the circumstances surrounding each project opportunity.

JCMS, Inc. (DBE) – Cost Estimating/Scheduling

JCMS has been providing program, project and construction management services to public and private sector clients since 1985. The firm has 85 employees on its full time staff in various disciplines, including cost and scheduling engineers, cost estimators, computerized document control specialists, office engineers, resident engineers, and construction inspectors their firm has provided services to clients on numerous projects throughout the New York/New Jersey metropolitan area, including the Port Authority, NYCT, NJ TRANSIT, Long Island Rail Road and Amtrak, among others. JCMS is currently providing program management and cost estimating services to NJ TRANSIT on Sandy-related repair and resiliency projects. JCMS provides conceptual, preliminary, budget and definitive cost estimates from the beginning of a project and develops construction cost estimates through the various design phases and for various scenarios. The firm also prepares design schedules, pre-bid schedules and detailed cost and resource loaded construction schedules.

Representative New York City metropolitan area project experience includes:

- PANYNJ –PATH Planning, Oversight and Related services on an "As-Needed" basis: JCMS is developing integrated resource loaded schedule & optimizing resource requirements for PATH's proposed $2.5B, 10 year capital program
- PANYNJ Project Delivery Services: JCMS is responsible for maintaining an enterprise level schedule in Oracle Primavera P6 for both design and construction projects for the Authority's TB&T Department and has performed constructability and logistics reviews for several projects, including the Multi-Facility Tolling System and Lincoln Tunnel/PABT bus parking and staging facility
- LaGuardia Airport: Expert professional CM support services for various MEP projects
- Fulton Street Transit Center: Construction inspection and document control services
- East Side Access: Construction management and project controls services

LPE Enterprises (WBE)

LPE Enterprises is a certified WBE construction management support services firm, which serves the needs of construction management and engineering companies for skilled and experienced project-based personnel. The firm's staff members, all of whom are actively engaged on projects are full-time employees of LPE. LPE's personnel have extensive expertise in such areas as

construction inspection, estimating, document controls, and technical and contract administrative services.

LPE's professionals are fully integrated into the project team, committed to meeting the highest standards of performance, and are dedicated to the success of the project and the Port Authority of NY & NJ.

ManTech International

ManTech was founded in 1968 to provide advanced technological services to the United States government. ManTech began with a single contract with the U.S. Navy to develop war-gaming models for the submarine community. Over the years, the government's technology needs have increased dramatically in scope and sophistication, and ManTech has grown to meet that challenge.

For more than 45 years, ManTech has kept a careful eye on where emerging technologies were taking the government, and developed the resources to master those technologies—by staying close to customers and anticipating needs, hiring talented professionals to propel ManTech into the future, and acquiring companies with proven capabilities.

ManTech has always been a customer-driven company, and has approximately 8,000 employees that span the globe. ManTech fully dedicates themselves to customers' missions and act as a trusted partner helping customers stay ahead of technology, gain efficiencies, and cut costs.

Conclusion

Parsons Brinckerhoff brings to the Port Authority of NY & NJ the technical resources, managerial expertise and the commitment to excellence that are ideally suited to this agreement. We understand the needs of the Authority and are prepared to meet or exceed every expectation. The ability of our personnel to integrate so successfully and efficiently within the Authority organization has been a key element of the success we have enjoyed on our many assignments with the Authority. The firm has served the Authority in this same capacity for many years and looks forward to the opportunity of continuing our outstanding professional relationship.

I – Parsons Brinckerhoff Affiliates

I. Parsons Brinckerhoff Affiliates

Affiliates of Parsons Brinckerhoff, Inc.*

Company	Address	Relationship
Parsons Brinckerhoff Group LLC.	One Penn Plaza New York, NY 10119	Parent
Parsons Brinckerhoff-FG, Inc.	506 Carnegie Center Blvd. 2nd Floor Princeton, NJ 08540	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
PB Constructors, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
PB Services Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
Parsons Brinckerhoff Advisory Services, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
Parsons Brinckerhoff Group Administration, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
ALLTECH, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
PB Energy Storage Services Inc.	16285 Park Ten Place, Suite 400 Houston, TX 77084	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
Parsons Brinckerhoff International LLC.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
PB Facilities Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)
PB Power, Inc.	One Penn Plaza New York, NY 10119	Affiliate (owned by Parsons Brinckerhoff Group Inc.)

*Effective October 27, 2009, Parsons Brinckerhoff Group Inc. and its subsidiaries were acquired by Balfour Beatty plc, a London based corporation. Parsons Brinckerhoff, Inc. continues to operate as a wholly owned subsidiary of Parsons Brinckerhoff Group Inc.

J. Conflict of Interest

Neither Parsons Brinckerhoff, Inc., nor any of its employees, agents, or subcontractors, is aware of any possible conflict of interest or appearance of conflict of interest relating to this project. If we become aware of a conflict, or the appearance of a conflict, we will immediately notify the Authority as required, giving full details thereof.

K – Contract Exceptions

K. Contract Exceptions

Parsons Brinckerhoff, Inc. has reviewed the form of contract and its terms and conditions included with RFP Number 39247. Parsons Brinckerhoff, Inc. takes the following exceptions to the contract language:

Article 26 (A)(1), 13th line: Please change as follows.

". . .provisions (other than a Professional Liability exclusion, if any, and any other standard exclusions added by endorsement which the consultant shall provide if requested) for exclusions from liability"

Article 26 (D)(1), Please remove this requirement.

Article 26 (D)(2), Please delete the words "or policies."

PARSONS BRINCKERHOFF

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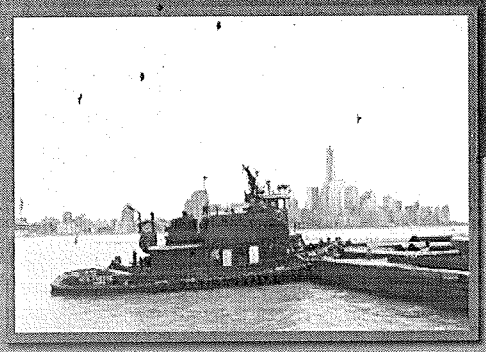
tel: 212.465.5000
www.pbworld.com

Proposal

THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

Performance of Expert Professional Construction Management and Inspection Services As Requested on a "Call-In" Basis During 2015 Through 2018 | RFP #39247



Submitted to:

The Port Authority of NY & NJ
Attn: RFP Custodian
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302

Submitted by:

Urban Engineers of New York, P.C.
Two Penn Plaza, Suite 1103
New York, NY 10121

URBAN ENGINEERS
Formulating Excellence

September 18, 2014

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Performance of Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018
RFP Number 38469

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A. Attachment B

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ATTACHMENT B

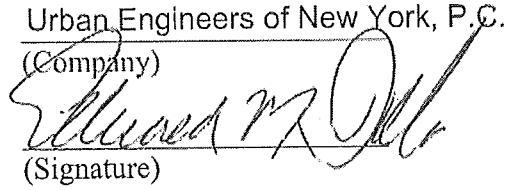
REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Urban Engineers of New York, P.C.
(Company)


(Signature)

President
(Title)

September 17, 2014
(Date)

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DO NOT RETYPE.

B. Attachment C

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ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):

Urban Engineers of New York, P.C.

2. Business Address (to receive mail for this RFP):

Two Penn Plaza, Suite 1103, New York, NY 10121

3. Business Telephone Number: 212-736-9100

4. Business Fax Number: 212-736-9101

5. Firm website: http://urbanengineers.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 07 / 03 / 1973

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):

Urban Engineers, Inc. (EIN

530 Walnut Street, Philadelphia, PA 19106

9. Officer or Principal of Firm and Title:

Edward M. D'Alba, PE, President

10. Name, telephone number, and email address of contact for questions:

Charles F. King, PE; 212-736-9100; cfking@urbanengineers.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Yes ☒ No

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

C. Transmittal Letter

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Urban Engineers of New York, P.C.
Two Penn Plaza, Suite 1103
New York, NY 10121
V: 212.736.9100
F: 212.736.9101

September 18, 2014

The Port Authority of New York and New Jersey
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302
Attn: RFP Custodian

Re: Expert Professional Construction Management and Inspection Services as Requested on a "Call-In" Basis During 2015 Through 2018 (RFP Number 39247)

Dear RFP Custodian:

Urban Engineers of New York, P.C. (Urban) is a multidisciplinary engineering firm that is well-positioned to serve the needs of the Port Authority of New York and New Jersey (PANYNJ). To meet the M/WBE participation goal established by the PANYNJ we have invited the following subconsultants to join our Team:

- Distinct Engineering Solutions, Inc.
- Haider Engineering, P.C.

These subconsultants have several certified construction managers and inspectors who are included in our list of staff with required certifications.

As outlined below, the Urban Team meets each of the requirements detailed in the Proposer Requirements section of your RFP.

PANYNJ Requirement	Urban Engineers Response
A. Firm Experience	
1. An office in the Greater New York, New Jersey Metropolitan Area and must have at least 50 individuals on staff who have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area.	1. Urban Engineers of New York, P.C. and our parent company, Urban Engineers, Inc. have a total staff of over 450 employees with 230 of that staff performing construction management and inspection. We have several projects in the New York City Metropolitan area where our staff has been performing construction inspection services. Our local staff consists of over 80 technical employees.
2. A Certificate of Authorization to practice Professional Engineering or Architecture in the states of New York and/or New Jersey.	2a. Urban Engineers of New York, P.C. is registered and authorized to do business in New York and Urban Engineers, Inc. is registered and authorized to do business in New Jersey. Any New Jersey based assignments issued under this Agreement will be performed by Urban Engineers, Inc. as a subconsultant to Urban Engineers of New York, P.C. 2b. Urban Engineers, Inc. is former affiliate of Urban Engineers of New York, P.C. via common ownership. Urban Engineers, Inc. became 100% employee owned ("ESOP") effective 12/30/2013. Urban Engineers of New York, P.C. and Urban Engineers, Inc. still share common management. *Note: Certifications are included in Section I, Additional Information*

B. Staff Experience – Construction staff experienced in Civil, Structural, Electrical, and Mechanical Engineering shall include:	
1. At least 10 of which must be engineers/architects licensed in the states of New York and/or New Jersey 2. At least 10 of which must be ACI Concrete Construction Special Inspector 3. At least three of which must be ICC Certified as a Structural Steel and Bolting Inspector 4. At least one of which must be NACE Level 1 coatings certified.	The following table summarizes the certified inspectors and licensed professional engineers that Urban is capable of delivering to support the PANYNJ under this contract. The totals are compared to PANYNJ requirements and show compliance of the requirement of RFP #39247. This is a representative sample of the inspection capacity of Urban.

Staff Experience

No.	Staff	Title	Professional Engineer (NJ/NY)	ACI Concrete Construction Special Inspector	ICC Certified – SS & Bolting Inspector	NACE Level 1 Coatings Certified
1	William Thomsen, PE	Project Executive	1			
2	Charles King, PE	Project Manager	1			
3	Oscar Bustos, PE	Sr. Civil/Structural Engineer	1			
4	William Kroth, PE	Geotechnical/Civil Engineer	1			1
5	Rugnab W. Bangura, PE	Construction Manager	1			
6	Abrar Alam, PE	Civil/Structural Engineer	1			
7	Robert Golisch, PE	Sr. Construction Manager	1		1	
8	Paul Dionisio, PE	Sr. Civil/Structural Engineer	1			
9	David Price, PE	Sr. Electrical Engineer	1			
10	James Bilella, PE	Sr. Electrical Engineer	1			
11	Adam Shelly, PE	Mechanical Engineer	1			
12	Edward Godorov, PE	Sr. Mechanical Engineer	1			
13	Charles Halboth, PE	Sr. Constructability Engineer				
14	Thomas Mitchell, PE	Sr. Contract Administrator				
15	Alan Pizzi, PE, CCP	Sr. Cost Engineer				
16	Sean Duffy, PE	Sr. Scheduling Engineer				
17	Andrew Royston, EIT, ACI	Civil/Structural Inspector		1		
18	Patty Robles, EIT, ACI	Civil/Structural Inspector		1		
19	Kevin Buchanan, ICC, ACI	Sr. Civil/Structural Inspector		1	1	
20	Ronald Popotte, ICC	Sr. Civil/Structural Inspector			1	
21	John Cochran, ICC	Civil/Structural Inspector			1	

No:	Staff	Title	Professional Engineer (NJ/NY)	ACI Concrete Construction Special Inspector	ICC Certified – SS & Bolting Inspector	NACE Level 1 Coatings Certified
22	Michael Owamagbe, EIT, ACI	Civil/Structural Inspector		1		
23	Ryan Matthews, NICET III, ACI	Civil/Structural Inspector		1		
24	Manish Patel, ICC, ACI	Civil/Structural Inspector		1	1	
25	Terence Hampton, EIT, ACI	Civil/Structural Inspector		1		
26	Rumit Pandya, ACI	Civil/Structural Inspector		1		
27	Vikas Patel, EIT, ACI, ICC	Civil/Structural Inspector		1	1	
28	James Yhap, NICET IV, ICC, ACI	Construction Inspector		1	1	
29	Emad Qadi, ACI	Construction Inspector		1		
30	Gregg Mehl, EIT, ACI	Construction Inspector		1		
		Number of Qualified Staff:	12	12	7	1
		Required Number of Qualified Staff (PANYNJ Requirements):	10	10	3	1

Urban is an accredited and registered Special Inspection Agency in 39 categories with the International Accreditation Services (IAS) and New York City Department of Buildings (DOB). Urban is a Class 1 Special Inspection Agency per the rules and regulations of the City of New York.

Urban's focus on quality is supported by our **ISO 9001:2008 Certification;** the definitive quality standard for design/consulting firms. We are one of only a handful of consulting engineering firms in the country to have achieved and maintained this status, which serves as a testament to our commitment to quality.

We acknowledge the receipt of Addendum No. 1, dated September 12, 2014 and Addendum No. 2, dated September 15, 2014. If you have any questions regarding our proposal, please contact our New York City Office Manager and Project Manager, **Charles F. King, PE,** at **212-736-9100,** or at **cfking@urbanengineers.com.** Thank you for considering the Urban Team.

Very truly yours,
URBAN ENGINEERS OF NEW YORK, P.C.

Edward M. D'Alba, PE
President

D. Multipliers

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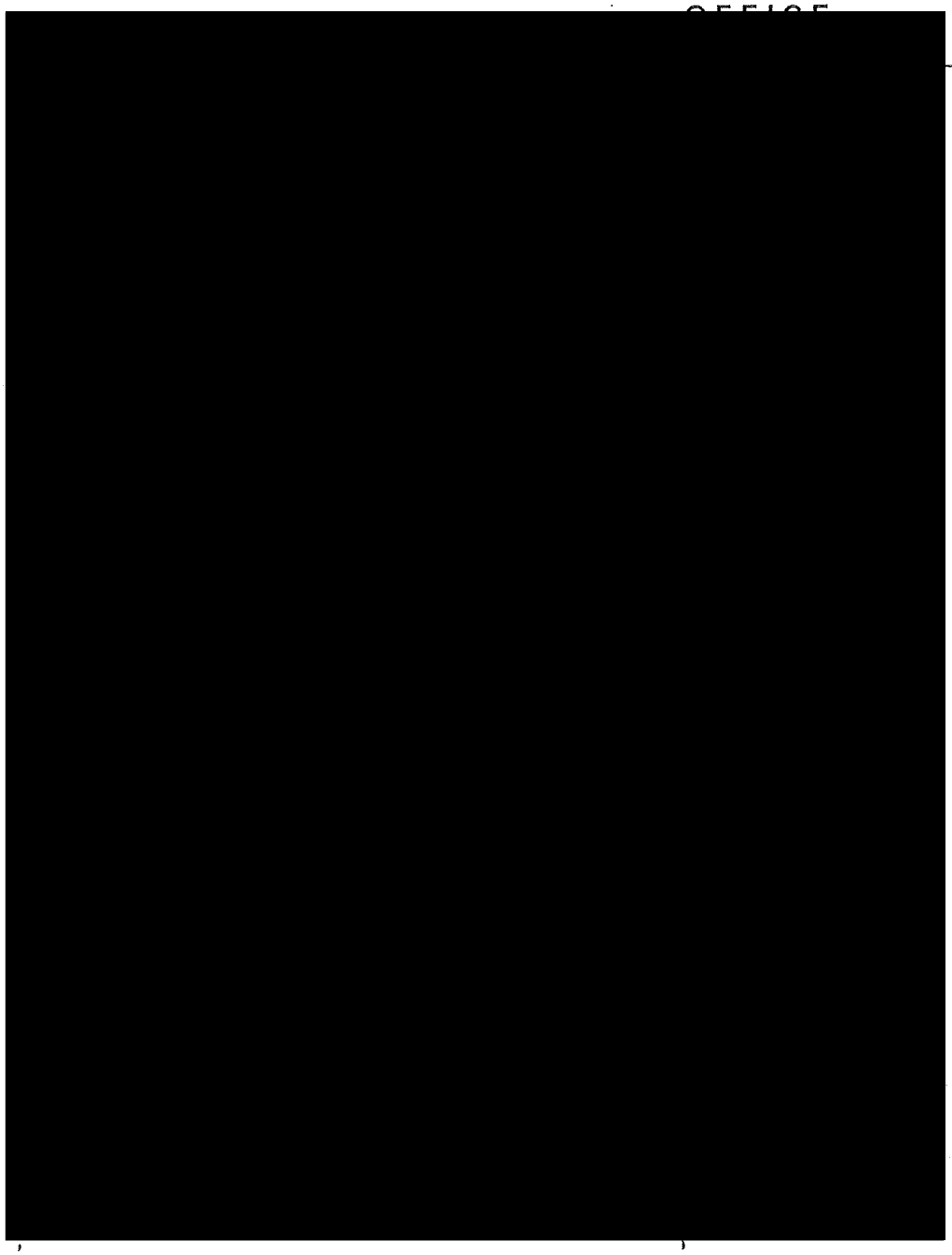
Multipliers

URBAN ENGINEERS OF New York, P.C.
Summary of Indirect Overhead Expenses
For the Year Ended December 31, 2012



Multiplier **2.56**

E. Resumes

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THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY

Project Executive
William T. Thomsen, PE

Project Manager
Charles F. King, PE

Quality Assurance
Thomas P. Nodar

Constructability Reviews
Thomas F. Kerins, EIT
Charles A. Halboth, PE

Contract Administration
John S. Holak
Thomas E. Mitchell, PE
William J. Goffe
Sita Mohan, EIT
Steve Mathew

Compliance Monitoring
Douglas Y. Chin

Sub Consultants
Distinct Engineering Solutions Inc.
Haider Engineering, P.C.

Inspection

Civil/Structural	Oscar F. Bustos, PE William Kroth, PE, NACE Rugnab W. Bangura, PE Abrar Alam, PE Robert Golisch, PE, ICC Paul T. Dionisio, PE Andrew G. Royston, EIT, ACI Patty C. Robles, EIT, ACI Kevin J. Buchanan, ICC, ACI Ronald Popotte, ICC John Cochrane, Jr., ICC Gregg A. Mehl, EIT, ACI Michael Owamagbe, EIT, ACI Ryan E. Matthews, NICET III, ACI Manish Patel, ACI, ICC (Distinct) Terence Hampton, PE, ACI (Distinct) Rumit Pandya, ACI (Distinct) Vikas Patel, EIT, ACI, ICC (Distinct) James Yhap, NICET IV, ACI, ICC (Haider) Emad Qadi, ACI (Haider)
Electrical	David M. Price, PE, LEED® AP James A. Bilella, PE
Mechanical	Adam J. Shelly, PE, LEED® AP BD+C Edward J. Godorov, PE
Plumbing/Fire Protection	Brian R. McElwee

Cost Estimating
Moses J. Gaster, EIT, CEP
Alan Pizzi, PE, PLS, CCE

Scheduling
Burton G. Kohlman, PSP
Sean T. Duffy, PE

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William T. Thomsen, PE

Project Executive

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WHY SELECTED

- **36 years of professional experience**
- **National expertise in Program Management requirements for major capital projects**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer NY, NJ, PA, MD
- NJ DOT ETRP Compliance NJ
- American Society of Civil Engineers
- Past President - Philadelphia Section
- Chairman of Transportation and Urban Development
- Secretary - District IV Legislative Affairs Committee
- Member - National Committee, High Speed Ground Transportation
- American Public Transit Association
- Light Rail Transit Committee
- High Speed Inter City Ground Transportation Subcommittee
- Chairman, Capital Projects Subcommittee
- Intercity Corridor Development Committee

EDUCATION

- MS, 1985, Drexel University, Engineering Management
- BS, 1978, Clarkson College of Technology, Civil/Environmental Engineering
- Certificate, 1997, Dale Carnegie Course

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Thomsen's experience with Urban Engineers, Inc. encompasses the management/engineering of major projects in the fields of Transportation and Infrastructure systems. He presently serves as Senior Vice President overseeing National Consulting and Program Management and has performed project management, planning, design, construction, value engineering, construction claims support, and expert witness services. He also serves as the executive in charge of Urban Engineers, of NY. Mr. Thomsen led the firm's development in the Practice Areas of Transit, Railroad, and Project Management Oversight and Program Management. . He has significant national experience with major capital project development from planning through construction for SEPTA, MARTA, DART, RTD, RTC, Tri-Rail, MDTA, Lynx, and MTA. He has served as associate professor (part-time) at Temple University, lecturing on transportation engineering, and has taught a professional engineering registration review seminar.

Mr. Thomsen has special expertise concerning Public Transit systems. He has participated as a member of Urban's in-house constructability review committee, which examines contract documents for their constructability in order to mitigate construction claims. He is familiar with all aspects of civil engineering as they relate to transportation, and is well qualified in the special requirements for coordination of engineering projects with active railroads and systems of public transportation and infrastructure in urban environments. He has represented ASCE on the planning committee for the Area Coalition for Transportation in support of funding for SEPTA and is active in legislative affairs. Mr. Thomsen's recent relevant experience includes the following:

High Bridge Park Slope Stability Project, New York City Parks & Recreation, New York City , NY – Principal in charge of this emergency rock slope stability project. Responded through an emergency contract to provide engineering services for the NYC Parks and Recreation Department. Urban Engineers provided Construction Management and Inspection of the clearing of a Rock slide and the associated material as well as the design and placement of Rock Bolts and rock slide protection to stabilize the slope for the future along the Harlem River Drive a major Urban arterial. Urban Inspected the work of Trocom the contractor responsible for the work. The project was completed and the slope stability measures were achieved.

Project Management Oversight, Metropolitan Transportation Authority (MTA) and New York City Department of Transportation (NYCDOT), Federal Transit Administration (FTA), New York City, NY – Mr. Thomsen serves as Program Director for the Project Management Oversight Program to monitor the progress of all FTA-funded transit projects in New York City for FTA Region 2 above lower Manhattan. The PMO Team serves as an extension of FTA's staff in assessing the grantee's project management, construction management, and technical capacity in executing major rail car procurement projects. The total value of these programs is approximately $30 billion in transit projects for the MTA which includes: New York City Transit (NYCT), Long Island Rail Road (LIRR), the East Side Access (ESA) Project; the Second Ave Subway and several projects for NYCDOT.

Schuylkill Valley Metro Feasibility Study, Southeastern Pennsylvania Transportation Authority, Philadelphia to Reading, PA - Quality Assurance/Executive Advisor for the feasibility, MIS/DEIS study of introduction of rail service in a 60-mile corridor, including branches to major suburban locations.

Project includes right-of-way assessments, route selection and operations planning, ridership forecasting, station location and evaluation, operating and capital costs, and performance evaluation. Both commuter rail and light rail modes were evaluated.

Integrity Monitoring Freedom Tower Project, Port Authority of New York and New Jersey (PANYNJ), New York City, NY – Mr. Thomsen serves as Managing Director for Engineering for the Fortress Monitoring Group (FMG) for the Integrity Monitoring of the Freedom Tower Project. FMG is a Joint Venture of Engineers, Investigators and Accountants. Mr. Thomsen was integrally involved in the formation of FMG and serves as a JV Principal. This assignment provides the PANYNJ with expert advice in monitoring the implementation of Design and Construction activities to accomplish the reconstruction of the Freedom Tower (Tower 1) .This building is planned as one of the tallest buildings in the United States upon its completion and will take more than 5 years to construct and cost over $2 Billion. He provides leadership and guidance for all engineering activities, studies and investigations associated with FMG's efforts in the mitigation and avoidance of fraud waste and abuse.

Cross County Metro, Southeastern Pennsylvania Transportation Authority, Philadelphia, PA - Project Manager to study the feasibility of the institution of a new public transportation service along a 53-mile corridor between Downingtown, Pennsylvania and Trenton, New Jersey. This service represents one of the first suburb-to-suburb public transportation services being proposed throughout the United States. The total project, when implemented, is expected to cost between $100 and $200 million. (1992 - 1994)

Project Management Oversight, Dallas Area Rapid Transit, Dallas TX – Previously served as Project Manager for the oversight of the DART North Central Corridor Light Rail Buildout Providing Project Management Oversight Services for review and monitoring the FTA funded DART and Railtran (Trinity Railway Express) Major Capital Projects. The DART Project included the $517 million LRT expansion program along the North Central Corridor between the existing Park Lane Station in Dallas and Plano, Texas and the $184 million DART/FWTA Trinity Railway Express Commuter Rail expansion between Dallas and Fort Worth, Texas. Both Projects were completed on time and within budget. Another aspect of this project was the DEIS and Preliminary Engineering of the Northwest/Southeast Corridor this extension is now in construction.

Project Management Oversight, Los Angeles County Metropolitan Transportation Authority Metro Red Line Tunnels, Federal Transit Administration, Los Angeles, CA - Mr. Thomsen served as the Project Manager for an in-depth evaluation of the Metro Red Line subway tunnels (MOS1). The study reviewed and evaluated the structural integrity and safety of a 3.5-mile segment of twin bored transit tunnels. The study was commissioned in response to questions of potential construction deficiencies. A series of testing programs, both destructive and nondestructive, were performed. A final report was delivered to the LACMTA and presented publicly, which proved the tunnel's capacity under extreme static and seismic loading. This evaluation has been said to be the most comprehensive review ever performed on a subway construction project the United States.

Project Management Oversight, Downtown People Mover Reconstruction, Detroit Transit Corporation, Detroit, MI - Mr. Thomsen served as the Project Manager for the oversight of the Reconstruction of the Detroit Downtown People Mover. The project was a result of an unplanned collapse of the Transit structure when an adjacent building implosion project damaged the facility causing a service shutdown and emergency situation for reconstruction. Initial investigations were performed to determine if the structure could be reused. Following NTP and construction initiation, the entire facility was replaced within nine months, on time, and within budget. The project team was recognized for outstanding service in performing the reconstruction.

Publications:

1. "Transit Turnkey Implementation" FTA/APTA workshop June 10, 1993, Miami, FLA
by William T Thomsen PE and Thomas Luglio PE coauthors.

2. " Midvale Bus Maintenance Facility Design /Build -A Success Story" presented to FTA Engineers meeting June 1997

3. Design Build Applications in Transit and ITS Programs presented to ITS Connecticut Annual meeting , September 1998

4. Mainline Schuykill Phase-II, Paper and presentation, APTA Rapid Transit Conference, June 1998, San Diego CA by William T Thomsen PE and Chris Rood PE, coauthors

5. "QA/QC State of the Art in Design & Construction" presented to FTA annual Engineers Meeting NYC, NY June 1995 by William T Thomsen PE and Roger Milroy PE, coauthors

Charles "Chuck" F. King, PE

Project Manager

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WHY SELECTED

- **30 years of professional engineering experience**
- **Bridge/Highway/Pier Design and CM Experience**
- **Registered Structural Engineer**
- **Construction Management**
- **Pier Construction Experience – TZ Bridge**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer CT
- Professional Engineer MD
- Professional Engineer NJ
- Professional Engineer NY
- Professional Engineer PA
- Structural Engineer IL
- American Society of Civil Engineers
- American Institute of Steel Construction
- American Consulting Engineers Council

EDUCATION

MS, 1983, University of Oklahoma, Civil Engineering

BFA, 1975, University of Oklahoma

RECORD OF PROFESSIONAL EXPERIENCE

Mr. King has extensive, diverse experience as a Project Manager and Resident Engineer spannig nearly three decades on complex bridge and highway construction projects. His management experience on design / construction programs includes strategic planning, cost analysis and budgeting, stakeholder relations, schedule and scoping analysis, contracts, and public relations. Mr. King's experience ranges from "on site" management, including inspection and field engineering, to document control, change order processing, claims mitigation, and quality assurance/quality control. These management skills coupled with his engineering background in both design and construction help him immediately understand issues on complex projects and manage the resolution of cost, schedule, quality, and safety issues. Mr. King's experience includes:

George Washington Bridge Bus Station Redevelopment Program Management Services, Port Authority of New York and New Jersey (PANYNJ), New York, NY - Program Manager responsible for supporting the PANYNJ in managing the public/private venture for redeveloping a bus station located on 178th Street in Upper Manhattan, directly on the George Washington Bridge approach. Redevelopment cost for the PANYNJ Bus Spaces is $53M, Leased spaces for the developer are estimated to be $100M. The station, designed by Pietro Nervi, was originally constructed in the 1950s and now serves 20,000 daily commuters as a connection point for trips from New Jersey to Manhattan. In a public/private partnership, the PANYNJ has contracted with a retail developer to modernize the bus station and introduce a retail shopping complex to serve the local Washington Heights community. A new bus platform and pavilion were configured for improved operations and passenger comfort. Services managed by Mr. King include assisting with the program definition, including permitting and historic preservation analysis; design management; cost control; scheduling; document control; and project management (2010-2011)

World Trade Center Site Redevelopment Program (Downtown Restoration Program), Port Authority of New York and New Jersey (PANYNJ), New York, NY - Deputy Program Manager supervising the program management team for the reconstruction of the World Trade Center in Lower Manhattan. This $16 billion program for reconstructing the WTC site includes a new transportation hub, a 1,776-feet-tall Freedom Tower; the 9/11 National Memorial; Towers 2, 3, and 4; a Vehicle Security Center; Rte. 9A realignment; a central chiller plant; and the extensive site roadways and utilities. Assisted in managing the program, including budgets, forecasts, cost variance analysis, project status reports, financial analysis and invoice processing, monthly financial and progress reports, program CPM scheduling (deterministic and probabilistic), site logistics, project communications, document control, contract management, and serving as a liaison with the FTA and other stakeholders. (2008-2009)

Reconstruction of Interchange 17 (Contract 3), New York State Thruway Authority, Newburgh, NY - Project Engineer responsible for managing the construction of the direct connection between the New York State Thruway Authority (I-87) with I-84. This $68 million project involved constructing seven new highway bridges, associated ramps, MSES walls, drainage structures, pavements, lighting, signals, and wetlands. This new connection eliminates the need for traffic to enter local roads when transferring from one interstate to another. Also managed several aspects of the project, including compliance with contract, safety, document control, change order management, CPM schedule review, construction inspection, and quality assurance oversight of the project testing program. (2006-2008)

Southeast Pennsylvania Transit Authority (SEPTA) on the Market Street Elevated Reconstruction Program, Philadelphia, PA - Deputy Program Manager for this $567 million program that involved replacing 2.5 miles of elevated transit structure with a new composite steel/concrete guideway carrying dual track service. Six transit stations are being completely demolished and replaced under this program. Located in the inter-city neighborhood of West Philadelphia, the program is divided into four construction contracts. Responsibilities included oversight of four construction contracts, one design contract, and several specialty support contracts for quality, cost control, and schedule compliance. He managed a staff of over 50 construction engineers, inspectors, and safety and office personnel. Also managed community relations and reporting to SEPTA's board. At the conclusion of each construction contract, managed the claims analysis and negotiation process. This process included performing in-depth review of RFI and submittal histories, time impact analyses, cost estimating, and contractual interpretations. The examples of claims on this project included: structural steel price increase, return to service delays, interferences from adjacent construction activities, impacts of design changes, and hidden underground conditions. Claims totaled more than $20 million for the four construction contracts. (2004-2006)

Design/Build Emergency Deck Replacement for the Brooklyn Bridge, New York City Department of Transportation, New York City, NY - Served as Deputy Project Manager for Design and Resident Engineering / Construction Inspection Services on this $50 million bridge deck replacement project. Responsible for scope development, contract negotiations, bid preparation, and managing resident engineering staff and subconsultants. (2000-2002)

Pier Protection and Tower Painting at the Tappan Zee Bridge, New York State Thruway Authority - Project Manager for Resident Engineering/Construction Inspection Services on this $45 million bridge rehabilitation project. Was responsible for, project delivery, staffing, budget, and schedule performance. Project includes installing pile-supported precast concrete fenders to protect the bridge foundations from dynamic barge collisions. Rehabilitation and painting the steel tower structures were also included in the scope of work. This project included the installation of large diameter steel pipe piles within the soft geotechnical strata of the Hudson River at the Tappan Zee crossing. This piles were installed adjacent to the (1999-2002)

Construction Management Services for Roadway Rehabilitation and Installation of Cathodic Protection at the Brooklyn-Battery Tunnel for the Triborough Bridge and Tunnel Authority, New York City, NY. Project Manager for the on site construction management team for the roadway rehabilitation work that was performed primarily during night time, off peak hours. The construction activities included concrete restoration, electrical distribution, demolition, paving and shotcrete. The work included an active Cathodic Protecction System that was expected to retard further reinforcing bar corrosion and extend the life of the roadway structure. Construction cost was $16 million.

Project Management Resource Forecasting Method, Port Authority of New York and New Jersey (PANYNJ), New York, NY – Project Manager responsible for development of an analytic tool for forecasting the Project Management Resources needed to manage the annual $3B Capital Program of the PANYNJ. The tool was developed using past project management data combined with 10 complexity dimensions, including (1) Cost, (2) Schedule, (3) Design Complexity, (4) Construction Complexity, (5) Operational Complexity, (6) Safety, (7) Stakeholder Management, (8) Authorization Policy, (9) Technical Innovation and (10) Sustainability. This project included determining the present role of the Project Managers in the Line Departments and their relationship with other PA departments including the Engineering Department. (2011)

Risk Assessment for Various Projects, Port Authority of New York and New Jersey (PANYNJ), New York, NY – The PA Board requires risk assessments for all capital projects presented to them for funding authorizations. Mr. King led a team that performed the first risk assessments for the Line Departments (Ports, Aviation, PATH and Tunnels, Bridges and Terminals). These assessments focused on cost risk as the Board wants to mitigation cost and scope creep on Capital projects. Mr. King served as Project Manager and Subject Matter Expert for the following projects:

- JFK Hanger 12 & Bldg 94 Demolition, $11.0M
- Port of Newark Berth 6 Wharf Reconstruction, $33.0M
- George Washington Bridge Structural Steel Rehabilitation, $130M

These projects were analyzed, contingencies developed and presented to the PA Board for approval. (2010)

Thomas P. Nodar

Quality Assurance

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WHY SELECTED

- **38 years of professional experience**
- **Brings owner perspective**
- **Hurricane Sandy related experience with Governmental Agency**
- **Diversified Experience – Facility, Power, Rail and Transit**

REGISTRATIONS/ MEMBERSHIPS

- Construction Management Association of America: Past President-Metro NY/NJ Chapter; former Board Director-CMAA Education and Research Foundation; present-Board Advisor to Metro NY/NJ Chapter
- Construction Roundtable of New Jersey: Owner Representative

EDUCATION

MS, 1981, Polytechnic Institute of New York, Construction Management

BE, 1977, City College of New York, Civil Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Thirty-eight years of experience in the engineering and construction industry. Held leadership roles in both corporate and industry settings (Professional Societies/Committees). Possess technical and administrative skills in all aspects of project development and delivery with responsibility for permitting, design, costing, purchasing, scheduling construction management and claims. Diversified project experience in both the public and private sectors include power plant, transit facility and high-rise construction.

Former Chief, Construction & Project Management for New Jersey Transit Corporation - Newark, NJ
Responsible for the management and overall performance of the Division and in the successful delivery of capital construction projects. Program averaged $600 million annually and project varied in complexity and duration over the entire service network and involved both new construction and rehabilitation of existing facilities.

Project Executive, Trenton Station Rehabilitation - $53.1 million expansion of the existing facility. Current facility is an overpass/concourse structure which serves a daily ridership of 4,600 passengers. Station is owned and operated by NJ Transit with tenant agreements with other transportation operators including Amtrak, SEPTA, and Greyhound. This rehabilitation has a two-year duration and the scope entails the relocation and maintenance of station operators, food/service vendors, and transit police; upgraded mechanical/electrical systems, construction of a mezzanine level; and the expansion of the building footprint which will more than double available square footage of the complex.

Project Executive, Morrisville Yard - $97.8 million rail yard expansion to accommodate 120 railcars as a layover facility for the Northeast Corridor. Features include 21,000 ft. of additional electrified track, a enclosed Service Inspection facility, a Wheel Truing facility, expanded Crew Quarters and new Control Tower.

Project Executive, Wayne Bus Facility - $28 million; 210,000 SF Bus Maintenance Facility with storage capacity for 135 buses. Located on a 24-acre tract near the intersection of Routes 1-80, 46 and 23 in New Jersey this project included construction of an access viaduct, wetland/site remediations, bus washer, paint booth, service road and parking lot.

Project Manager, Wall Street Subway Station - $12 million expansion of the subway station mezzanine. Responsible for supervision of all construction operations, budgeting and quality control. Multi-phase project included open cut excavation of the roadway and sidewalks of Pine Street (downtown Manhattan), relocation of various utilities and support of adjacent substructures, significant coordination and staging of contractor work.

Project Manager, Morgan Guaranty World Headquarters - $230 million Base Building contract for the construction of a 43-story concrete/steel structure at 60 Wall Street. Worked directly with Owner; developed budget and purchasing schedules, procured various material and labor contracts; and was responsible for supervision of earthwork, concrete, stone and carpentry trades.

Purchasing Agent - bid package development, advertisement, bid evaluation, negotiation and contract execution with various building trades for high profile building projects, most notably, Carnegie Hall Restoration, Barclays Bank, and the 7 World Trade Center.

Project Manager, - Claim Analysis and Litigation Support for the Corporation Counsel of New York. Provided consulting services in defense of a $26 million claim filed by the contractor of the Port Richmond Wastewater Treatment Plant.

Assistant Project Manager, Stamford Plaza Parking Garage - a design/build 687-space multi-level deck.

Project Manager, Low-Head Hydroelectric Improvements - responsible for conducting feasibility studies for the upgrade of existing plants and development of new sites for hydroelectric installations in Michigan and Indiana under a Department of Energy grant.

Associate Engineer, Underwater Repairs to Intake Structures - three intake structures for cooling water at Donald C. Cook Nuclear Plant were significantly damaged due to icebergs on Lake Michigan. Responsible for damage assessment via diving inspection, design of repair, and implementation of the remediation program.

Assistant Engineer, Smith Mountain Lake Pumped Storage - $15 million, 105 MW pump/turbine installation in Virginia. Served on the technical support team for the Operating Company. Responsible for technical specifications, cost estimating, bid documents, construction assistance and contract administration.

Oscar F. Bustos, PE

Senior Civil/Structural Engineer

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WHY SELECTED

- **14 years of professional experience in civil and heavy construction.**
- **Resident Engineer Experience in Parks and Waterfront Construction with NYC EDC**
- **Construction Manager with NYC Experience**
- **Office Engineer and Inspector experience with NYC DPR and NYC DDC**

REGISTRATIONS/ MEMBERSHIPS:

- Professional Engineer NY
- American Society of Civil Engineers (ASCE)
- American Society of Highway Engineers (ASHE) New York Metro Chapter
- Society of American Military Engineers (SAME) New York City Post
- America Council of Engineering Companies (ACEC) – Member of the International Committee.

EDUCATION:

- BS, 2000, Pontifical Xavierian University, Civil Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Bustos is a Project Manager and Resident Engineer with over 14 years of experience in civil heavy construction. Mr. Bustos is a registered Professional Engineer in New York. The most recent projects Mr. Bustos has been involved with include the construction of a fishing pier and bulkheads on the Long Island Sound as well as the installation of new DEP sewer lines on piles for the New York City Economic Development Corporation in the Bronx; and the emergency repair of multiple linear feet of seawall on the East River as part of a Sandy Relieve project for NYC Parks in Brooklyn. Mr. Bustos' experience includes:

South Bronx Greenway Program – Reconstruction of Food Center Drive, New York City Economic Development Corporation – Resident Engineer responsible for the reconstruction of one of the busiest 1.3-mile roadway in the food destruction center of NYC in Hunts Point. The construction cost is $5.5 million and encompasses the installation of new sewers and water mains as per DEP's standards and specs, streetscape and green infrastructure in conformance with DEP and DPR, management of excavated material including storage around the limited site space, sampling and testing as per NYSDEC's regulations, new pavement, sidewalks, curbs, ADA ramps, landscape and street lighting and traffic signals in coordination with DOT, and coordination with stakeholders including the Cooperative Meet Market, the New Fulton Fish Market, Baldor Foods and Krasdale Foods.

Reconstruction of the Wellhouse Located South of Lookout Hill and North of the Peninsula on Wellhouse Drive in Prospect Park, Brooklyn, Prospect Park Alliance – Project Manager responsible for coordinating with the client and scheduling all the required special inspections, reviewing contractor's submittals, performing civil/structural inspections and preparing final report.

Emergency Cleanup and Make Safe of Shore Parkway Bikeway and Pedestrian Path Between 92nd St & Bay Pkwy in Brooklyn, New York City Department of Parks and Recreation – Construction Manager responsible for the contract management of a $1.8 million FEMA funded post-Super Storm Sandy recovery reconstruction of the seawall and shared biking/pedestrian path. The construction scope encompassed debris removal, installation of temporary construction fencing, new asphalt pavement and lawns stabilization and restoration. The seawall repair included concrete repairs of the core wall, resetting and replacement of cap and façade stones, grouting and anchoring of stones and pointing of joints.

South Bronx Greenway Program - Hunts Point Landing Project, New York City Economic Development Corporation – Resident Engineer responsible for the construction oversight of a $6.8 million, Federal Aid Waterfront Park in Hunts Point in the Bronx. The construction scope encompasses the construction of a new 150 long fishing pier in the Long Island Sound on steel pipe piles and reinforced concrete pile caps, construction of a new steel sheet piling bulkhead, new sanitary and storm sewers on piles, a new 12" water main, the roadway reconstruction of Farragut Street, a kayak launch, creation of ecological habitats through tidal pools, passive recreational areas, a biking path, concrete walks, park and street lights, landscaping, retaining walls, park's amenities and decorative fencing.

South Expansion Reconstruction Union Square Park, New York City Department of Parks and Recreation – Assistant Resident Engineer responsible for the construction oversight of reinforced concrete retaining walls for

new planters inside the park and planting malls on Union Square East between 15th Street and 17th Street; water trunk-main upgrade on Union Square West, new catch basins and storm sewer piping, sidewalks, pedestrian ramps, pavers, water founts and monuments, landscaping, street and parks lighting, and traffic signals installation. The entire area of the Union Square South expansion is sitting on top of the Union Square/14th Street Subway Station, which required coordination with the Metropolitan Transit Authority (MTA) New York City Transit personnel.

Design/Build Complex Pedestrian Ramps Citywide, New York City Department of Design & Construction – Office Engineer and Inspector responsible for the document control and construction inspection of the installation of concrete pedestrian ramps, sidewalks and driveways reconstructions, catch basins installation and relocation, chute connections, street lighting and traffic poles relocation in more than 2,500 locations in Manhattan, the Bronx, and Brooklyn. Also in charge of community liaison. This was a $20-million contract.

Eagle Lane Reconstruction, Town of Oyster Bay Department of Public Works, Long Island, NY – Inspector responsible for the construction inspection of the reconstruction of a residential road encompassing boring tests, driveway and driveway aprons reconstruction, new concrete sidewalk and curbs, pedestrian ramps; mixed-in-place asphalt pavement, and pavement marking.

Capital Heights Road Reconstruction, Town of Oyster Bay Department of Public Works, Long Island, NY - Inspector responsible for the construction inspection of the street reconstruction encompassing water main offsets, retaining walls, boring tests, driveway and driveway aprons reconstruction, new concrete sidewalk and curbs, pedestrian ramps, re-grading of the road, asphalt pavement replacement and pavement marking.

Curley Street Reconstruction, City of Long Beach Department of Public Works, Long Island, NY - Inspector responsible for the construction inspection of the street reconstruction including a new water main and storm sewer, driveway and driveway aprons reconstruction, new concrete sidewalk and curbs, pedestrian ramps, asphalt pavement reconstruction, pavement marking and the replacement of the marine bulkhead.

Searingtown and Ridder's Pond Parks, Town of Hempstead Department of Engineering, Long Island NY - Inspector responsible for the construction inspection of the dredging of two ponds, installation new pond aeration systems, replacement of existing park furniture, landscaping and installation of concrete and asphalt paths.

Cedar Creek Water Pollution Control Plant and Bay Park Sewerage Treatment Plant, Nassau County Department of Public Works, Long Island, NY – Assistant Resident Engineer and Inspector for the construction of a new dechlorination facility in Bay Park STP, including the installation of new mechanical and electrical equipment, piping, HVAC equipment, dechlorination pumps and reinforced concrete structures. Construction of the piles foundation system for the S Building in the Cedar Creek WPCP.

Various Residential Roads Resurfacing in Massapequa, Town of Oyster Bay Department of Public Works, NY - Inspector responsible for the construction inspection of the resurfacing of various local and residential roads, curbs, sidewalks, driveway and driveway aprons replacement, new asphalt pavement binder and wearing courses, base repairs, and pavement marking.

Milburn Creek Culvert Extension, Nassau County Department of Public Works, Long Island, NY - Inspector responsible for the construction inspection of the extension of two 5' by 5' reinforced concrete box culverts under the LIRR embankment in the limit between Baldwin and Freeport, adjacent to the Baldwin LIRR station. The construction included the installation of the bulkhead and sheeting system to protect the LIRR embankment, excavation, dewatering, steel structural reinforcement and concrete installation, landscaping and fencing.

Cornell Lane Phase 3 in Hicksville, Town of Oyster Bay Department of Public Works, NY – Inspector responsible for the construction inspection of the drainage improvements, storm sewer upgrade, new catch basin, manholes, sidewalks, driveways and pedestrian ramps restoration and pavement structure reconstruction.

Milburn Creek Culvert Extension, Nassau County Department of Public Works, Long Island, NY – Responsible for the structural design of two 5' by 5' reinforced concrete box culverts under the LIRR embankment in the limit between Baldwin and Freeport, adjacent to the Baldwin LIRR station.

William Kroth, PE

Geotechnical/Civil Engineer

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WHY SELECTED

- **38 years of professional experience**
- **NACE Certified**
- **Geology/Geotechnical Engineering Professor – New Jersey Institute of Technology**
- **Underpinning, piles, piers, and excavations experience**
- **Experience with NYSDOT, NYCDOT, and TBTA**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer NJ
- Professional Engineer (inactive) NY
- Society of Asphalt Technicians

EDUCATION

MS, 1980, New Jersey Institute of Technology, Civil Engineering

BA, 1976, New Jersey Institute of Technology, Civil Engineering

2005, NACE Level 1- Corrosion Inspection Program

2005, Rutgers University, Traffic Control Coordinator

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Kroth has extensive experience in construction supervision and inspection of bridges, railroads, highways, tunnels, sewers, and other structures, as well as extensive experience in design, analysis, and report writing. He has also provided university-level geotechnical engineering instruction at New Jersey Institute of Technology. Mr. Kroth's experience includes:

Improvements to Interchange 168 (Garden State Parkway) and Route 17, Bergen County, NJ – Resident Engineer responsible for ramp widening, new signage, drainage and street lighting improvements. Construction cost: $1 million.

Meadowlands Railroad and Roadway Improvement Project, East Rutherford, NJ - Resident Engineer responsible for construction of two viaducts, three bridges, 2.5 miles of rail, and a train station that will serve the Meadowlands Sports Facility. Complex issues, including environmental regulations, contamination remediation, traffic flow/parking, and adjacent Xanadu construction, required special considerations. Work included deep foundations, surcharge placement, directional drilling, precast and cast-in-place bridge elements, drainage, paving, electrical conduit banks, plaza construction, and track and signal work. Construction cost: $160 million.

Painting of Ten Bridges is Northern New Jersey for Garden State Parkway, Bergen to Essex Counties, NJ - Resident Engineer responsible for containment and complete lead removal for ten bridges spanning the Garden State Parkway. After receiving a SP-10 blast, bridges were painted with an organic zinc primer, epoxy intermediate coat, and a urethane finish coat. Also responsible for lane closure coordination, community relations, and all aspects of QA/QC and record keeping as per NACE guidelines. Construction cost: $3 million.

Belt Parkway Bridge Over Ocean Parkway, Brooklyn, NY - Resident Engineer responsible for this award-winning NYCDOT design/build project. Elements of this project included replacing the exiting Belt Parkway Bridge with a new "Inverset" composite girder bridge, and installing T walls, mini-piles, SuperPave pavement, and a completely new "modified diamond" ramp configuration to replace eight existing loop ramps. Also included necessary drainage, electrical, utility, and landscaping. Construction cost: $60 million.

Secaucus Road Separation Project, NJ Transit, Secaucus, NJ - Construction Engineer responsible for quality assurance for two steel girder bridges and one concrete box girder bridge over Route 1-9 and Conrail/NYW&S. Also included construction of four reinforced-earth ramps, soldier pile/rock socket walls, and CSO work. Work included construction of concrete bridge decks, latex overlays, new asphalt pavement, and associated electrical and drainage work. Upon completion of the project, the entire section of Route 1-9 was widened, scarified, and repaved. Construction cost: $38 million.

Construction Management for Northeast Corridor Newark Liberty International Airport AirTrain Extension, NJ Transit, Newark, NJ - Resident Engineer responsible for contract administration and direct inspection. Project involved construction of new train platforms connected by an enclosed pedestrian bridge to a new monorail station. Monorail station consisted of transformer rooms, wet and dry fire protection systems, HVAC systems, ITS

systems, and elevators and escalators. Also conducted plumbing and electrical testing for DCA compliance involving the monorail station. Construction cost: $20 million.

New Jersey Institute of Technology, Newark, NJ - Adjunct Professor for the instruction of undergraduate courses in Geology and Geotechnical Engineering.

Seven Bridge Rehabilitation Studies, NYCDOT, Boroughs of Manhattan and the Bronx, NY - Project Engineer for projects involving in-depth inspection, report preparation specifying substandard elements, preliminary design, and final design. Structures included the Broadway Lift Bridge, City Island Bridge, Riverside Drive Viaduct, and East 78th Street Pedestrian Bridge over the FDR Drive.

Dunraven Causeway Bridge, NYCDEP, Delaware County, NY - Project Engineer for performance of stability analyses of abutments, foundations, and approaches for this structure located over the Delaware River.

Inspection of the Main Towers and Underdeck Steel Structures of the Williamsburg Bridge and the Riverside Drive Viaduct, NYCDOT and NYSDOT, Manhattan, NY - Team Leader for inspections of the main approach towers and underdeck steel structures of the Williamsburg Bridge and all structural elements of the Riverside Drive Viaduct.

Rehabilitation and Reconstruction of Three Highway Bridge Projects, NYCDOT and NYSDOT, Staten Island, NY - Resident Engineer for rehabilitation and reconstruction of three highway bridges, along with various roadway improvements on the Staten Island Expressway. Work also included new asphalt pavement, drainage, and lighting.

MTA Tunnels and Bridges (TBTA), Rehabilitation of End Ramps and Approach Deck Slabs, Miscellaneous Structural Repairs, and Administration Building Rehabilitation at the Bronx-Whitestone Bridge, NY - Resident Engineer for work involving structural steel repairs, latex-concrete overlay installation, joint repairs, bearing replacement and alignment, and concrete repairs.

Reconstruction of Cross-Bronx Expressway over Metro-North and Webster Avenue, NYSDOT, Bronx, NY - Resident Engineer for supervision of $17 million in construction, report preparation, design evaluation, corrosion surveys, and inspection. Construction included additional exterior fascia girders to widen roadway, microsilica concrete overlay, joint repairs, drainage structure installation, and pier reconstruction.

Reconstruction of Webster Avenue Exit Ramp off Sheridan Expressway, NYSDOT, Bronx, NY - Resident Engineer for the $5 million reconstruction of the entire structure. Duties included structural evaluation, corrosion surveys, and reconstruction inspection.

Safety Improvements on Various Routes, NYSDOT, New York, NY - Resident Engineer for milling and resurfacing 8.4 miles of the Cross-Bronx Expressway. Work also included installation of new barrier, curbs, joints, drainage structures, pipe, and lighting.

Metro-North Railroad Fixed Bridge Inspection Program, New Haven Line, MTA Metro-North - Project Manager for detailed structural inspection and analysis of conditions for 61 bridges along the New Haven Line.

Construction of the 65th Street Railroad Yard, NYCDOT and NYSDOT, Brooklyn, NY - Project Manager/Resident Engineer for supervision of construction and design of field changes for this intermodal freight terminal. The facility included five miles of track, 32 turnouts, loading platforms, intermodal roadways, grade crossings, drainage systems, lighting, utilities, and small station.

Westway Highway Project, NYCDOT, New York, NY - Design Engineer for preparation of various monitoring systems to protect all Hudson River tunnels from increased stresses of proposed large-scale fill placement.

Jacob Javits Convention Center, New York, NY - Resident Geotechnical Engineer for supervision of the installation of 2,800 step-taper piles and 60 rock-socketed caissons, underdrain system, and foundation piers adjacent to the Lincoln Tunnel. Specialized work included seismic monitoring of tunnel vibration levels.

Rugnab W. Bangura, PE

Construction Manager

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WHY SELECTED

- **25 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS:

- Professional Engineer NJ
- American Institute of Steel Construction (AISC)
- National Society of Professional Engineers (NSPE)
- American Society of Civil Engineers (ASCE)

EDUCATION:

- BS, 1991, University of London, Civil Engineering
- MBA Candidate, Ellis College New York Institute of Technology, Project Management

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Bangura has extensive experience in heavy construction, engineering management, and streetscape construction. He is a results-driven Engineer with proven success managing and supervising heavy construction projects and streetscape projects. Mr. Bangura brings vast experience in deep foundations construction; subsurface and embankment slope stabilization; retaining structures and retention systems; railroads; roads; bridges; railroad stations; and streetscape construction. He has the seasoned ability to coordinate cross-functional teams of owners, designers, and contractors, including private and public agencies, such as Amtrak, NJ Transit, NYCDOT, NYCDEP, NYCDPR, etc. with successful results. Mr. Bangura also has experience recruiting, training, and supervising junior engineers and project managers. He is experienced in construction materials lab analyses and testing. Mr. Bangura's experience includes:

South Bronx Greenway Projects (Produce Market Fence, Lafayette Avenue Reconstruction, Hunts Point Landing Waterfront Park, and Food Center Drive), NYCEDC, Bronx, NY – Resident Engineer and Project Manager responsible for the administration and Quality Assurance of these $36 million multiple package Streetscape and Park projects. Providing general oversight and supervising constructability review of contract documents, bid packages including Engineer's Estimate, and responsible for projects' change order reviews and negotiations with contractors. Reviewed for the accuracy and completeness, contract documents and bid packages before advertised for bid.

West 125th Street Streetscape Improvement Project, NYCEDC, Manhattan, NY – Resident Engineer responsible for the accuracy and completeness of the contract documents and bid packages of this $20 million project before advertised for bid. This task also includes supervising constructability review of contract documents, bid packages including Scheduling, and Engineer's Estimate of bid items.

Metropark Platform and Station Reconstruction, NJ Transit, Iselin, NJ – Resident Engineer and Project Manager for contract administration and Quality Assurance on this $29.7 million active train station platform project in one of the busiest train stations along the Northeast Corridor (NEC) in New Jersey. Reviewed for approval, cost proposals of change orders and monthly pay invoices from contractors. Also reviewed invoices from consultants for payment release; reviewed contractors' claims and provided rebuttals and/or recommendations; coordinated and conducted construction progress meetings and workshops. Edited, compiled, and published monthly reports for client.

Meadowlands Railroad and Roadway Improvement Project, NJ Transit, East Rutherford, NJ – Resident Engineer with the responsibility to manage a $106 million of this $211 million project. Reviewed the contract documents, conducted site investigative studies and supervised the start of construction activity including access roads to the project site.

Camden K-12 Schools, NJEDC, Camden, NJ – As Project Manager, supervised junior engineers and project managers on every aspect of managing the design and construction of multi-million dollar K-12 schools in Camden. Reviewed for approval, cost proposals for change orders and monthly pay invoices. Also reviewed contractors' claims and provided rebuttals; coordinated and conducted design and construction progress meetings and workshops; edited, compiled, and published monthly reports for client.

NJ Transit Main-Bergen Connection Project, NJ Transit, Secaucus, NJ - As Resident Engineer, completed this $32.5 million project on time and within budget, coupled with zero claims. Supervised the construction of 5.5 miles of railroad tracks, including 15 track turnout switches for a new connecting loop in the NJ Transit network. Supervised the construction of five bridges with 69 spans, including one, four-bay bridge rehabilitation that required synchronized jacking for bearings replacements. Directed the installation of 90' to 100' deep caisson foundations adjacent to NJ Transit active train tracks with great success. Supervised station platform rehabilitation adjacent to NEC Amtrak and NJ Transit active tracks. Reviewed for approval, cost proposals of change orders, and monthly pay invoices. Provided clarification and guidance to contractors' requests for information. Coordinated and conducted job progress meetings and workshops. Recruited, trained, and supervised civil engineers to meet and exceed project's goals. This contract was part of the multiple prime $610 million Secaucus Transfer Program.

Secaucus Transfer Station, NJ Transit, Secaucus, NJ – As Assistant Resident/Project Engineer, worked on various contracts, including: $30 million access roads; $10 million high transmission poles; $80 million deep foundations; and $60 million superstructure and $120 million railroad station finishes contracts. Assumed all management duties of Assistant Construction Manager during vacation breaks. Provided structural design consultation for architects on building structural elements. Also reviewed design calculations and shop drawings of various civil, structural, and architectural elements; coordinated work issues with Amtrak and NJ Transit directors and program managers, architects, design consultants, fabricators, manufacturers, and contractors; and reviewed for approval, Site Specific Work Plans (SSWP) for installation of foundation piles, caissons, structural steel, and various precast concrete elements using long boom cranes adjacent to NEC Amtrak active high-speed trains and power lines. Responsible for all cranes' capacity reviews and approvals for various loads picks on the project. Monitored and inspected subsurface soil (peat) stabilization and construction of several retaining structures and tiebacks. Conducted quality control plants' inspection on fabrication of structural steel members, prestressed/precast concrete, and structural and architectural elements. Coordinated quality control inspections on the construction of numerous bridges of diverse structural elements and roads through impassable terrains.

Virginia Waste Treatment Plant, Sterling, VA – As Engineering Staff/Lab Supervisor, worked on several multi-million dollar projects in Maryland and Virginia including Virginia Waste Treatment Plant. Responsible for projects' geotechnical lab analyses and evaluation of construction materials for roads, landfills, foundations, and retaining structures, etc. Supervised and trained field and lab engineers in construction inspection and materials testing.

Federal Triangle, Perini, Washington DC – As a field engineer, worked on several multi-million dollar projects, including Interstate 95 and Federal Triangle in Washington, DC. Provided geotechnical and general construction inspection services, in addition to supervising junior engineers and inspectors on road construction and traffic control systems.

Canadian Bank, Laing, London Bridge, London, UK – As Engineering Assistant/Site Supervisor, worked on several projects, including the Canadian Bank Building in London. Also provided on-site quality control services and supervised tradesmen of different crafts and trades.

Abrar Alam, P.E.

Civil/Structural Engineer

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WHY SELECTED

- **30 years of professional experience**
- **New York City Agency experience**
- **Knowledge of MURK**

REGISTRATIONS/ MEMBERSHIPS:

- Professional Engineer NY
- ACI Certified
- NYCDDC Concrete Testing Certified
- Troxler (Nuclear gauge) Certified
- NYSDOT Bridge Inspection Certificate
- Certification Asphalt Pavement Construction, NJ Society of Asphalt Technologist
- Construction Management Certificate

EDUCATION:

- BS, Civil Engineering
- Safety OSHA Training 10 hr. Construction

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Alam brings diversified experience in Construction Inspection of infrastructure, including water mains, sewer, storm sewer, sidewalks, bridges, highways, industrial, commercial and residential buildings. He also has experience designing of concrete and steel structures, checking and approval of structural shop drawings, material, submittals, bar bending schedules. He has performed structural inspection of steel reinforcement, structural steel, roofing, footings, caissons, shoring and underpinning works. His experience includes condition survey of various types of structures and supervision of garage restoration and he is familiar with ACI design code, ASTM AASHTO and bridge inspection manual.

Resident Engineer for Reconstruction of Food Center Drive, Bronx, NY for NYC Economic Development Corporation This $11M construction project consists of reconstruction of 1.5 mile loop road servicing the Hunts Point Markets in the Bronx. The project includes roadway, landscaping, amenities, water, sewer, ConEd, and railroad track construction. (2014)

Assistant Resident Engineer for New York City Department of Design and Construction, QED 983, Queens, NY
The project consists of sidewalk, roads, curbs, installation of 36 inch and 48 inch diameter trunk mains, water distribution 12", and 20" sizes; Sanitary sewer of 10" and 12" sizes. Storm sewer pipes 98Wx63H,60Wx38H, 68Wx43H,HEP and 36 inch diameter reinforced concrete pipes. Duties included inspection of water mains, sanitary sewer and storm sewer pipe installation works. Preparation of daily reports, which includes quantities of work completed, sketches for pipe installed, quality control, material delivered to site, manpower and machinery used. Taking care of the site safety and coordination with other utility inspectors. Preparation of sketches for installed pipes and its connections. Preparation of Tape Card for house connection. (April 2013-June 2014)

Senior Construction Inspector
Reconstruction of Claremont Parkway Bridge Bronx, NY (NYCDOT) (from 04/2011 to 11/2012) Responsibilities includes but not limited to inspection of construction activities. Prepared daily reports. Attended progress meetings, calculated the quantities of work executed daily, demolition of concrete, excavation etc. Preparation of sketches. Testing of concrete for air, slump test for workability and prepare samples for laboratory testing of concrete. Restoration of Borden Avenue bridge (NYCDOT) Construction cost $42 million in Long Island City, Queens, NY. (2011)

Senior Construction Inspector
Construction of South Marine Brooklyn Terminal Project, NYCEDC (2009-2010)
The project consists of construction of the following structures:

- Construction of railway track, about 1,000 ft. long
- Two transformer foundations for Con Edison
- Water main installation
- 30 ft. deep Caissons foundations for 100 ft. high electric poles
- Construction of new pavement
- Chain link fence

Team Leader for Structural Inspection/Condition Survey of the Lincoln Tunnel Buildings and miscellaneous Structures for PA NY & NJ. The project consists of a total of 18 structures, 8 in New York and 10 in New Jersey side. (Jan. 2008 to Feb. 2009)

Team Leader for Condition Inspection of NYSDOT bridges in Region 11, borough of Manhattan. Contract No. D015609, PIN XPB07.02. Biennial Inspection of bridges based on state and federal rating system. Preparation of sketches, taking photograph, writing report using BIPPI computer software program. Putting safety and structural flags as per NYSDOT standards. Controlling site safety measures. Coordination with various agencies regarding traffic control.

Field Engineer/Senior Inspector
Construction Inspection of NYCDDC project no. RED-361, Water Main Installation in the Borough of Brooklyn and Staten Island. Duties included inspection of water main trench excavation, checking its dimension to comply with project specification and standard drawing, checking sand bedding, installation of geotextile fabric if required (all around the D.I. pipes). Inspection of the D.I. pipe and fittings, measuring length prior to the backfill of pipes. Making sure that the back filling work is done in layers and compacted properly before start of temporary paving of trench. Taking care of the site safety, and coordination with other utility agencies. Preparation of sketches for installed pipes and its connections and preparation of tape card for households. Verification of change order if any. At the end of the project, worked as office engineer for closing of project. (May 2004 to Jan. 2008)

Structural Designer/Structural Inspector
Design of concrete and steel buildings. Review and approval of shop drawings. Review and approval of bar bending schedules. Inspections of structural concrete and steel building works for high and low rise buildings. Condition survey of existing structures and redesign for restoration and renovation. Review and approval of concrete mix design, test reports for approval of structural works. Design software used, ADOSS, PCA Column, SODA and various in-house foundation designs and Load run down programs. (May 1999 to May 2004)

Toronto Inspection and Testing Services Inc., Markham, Ontario, (Consulting Engineers) Engineer Inspector
Inspection of geotechnical works such as foundation inspection, caissons, and installations of soldier piles, caisson walls, lagging and underpinning works. Soil and concrete testing at site. Inspection of reinforcement details for structures. Preparation of daily and monthly progress reports. Soil and concrete testing laboratory (July 1997 to April 1999)

Ministry of Defense and Aviation, Riyadh, Saudi Arabia, Quality Control Engineer
Quality Assurance of ongoing construction of building and roads for Ministry of Defense projects. Review and approval of structural shop drawings. Approval of materials as per project specifications. Supervision of soil and concrete laboratory. Review of pre-qualification documents for contractor. (1992 to May 1997)

USSGAIR Consulting Engineers, Riyadh, Saudi Arabia, Civil Engineer Inspection of reinforced concrete and steel structures. Checking of surveying works and structural shop drawings. Review and approval of payment certificates. Supervision of concrete and soil testing in laboratory. Determining quantities for structural materials and estimating costs. (June 1988 to March 1992)

Ebrahim Suleiman Abalkhail EST., Saudi Arabia, Project Engineer
Worked as a Project Engineer and was responsible for all phase of waste water and solid waste facilities construction and start-up. The project consisted of structures for bar screen, grit chamber, primary clarifier, aeration tank, final clarifier, chlorine contact tank, digester, dewatering system and administration buildings. Project experience includes lined landfill construction. Leachate collection and pumping system. Duties included inspection of all construction activities, coordination between various disciplines, review of shop drawings, solving construction problem and change orders. (July 1986 to Aug. 1988)

Sahara Building Contractors, Jeddah, Saudi Arabia, Site Engineer
Building layout and preparation of bar bending schedules. Preparation of progressive payment certificate. Responsible for execution of all construction activities and preparation of change orders. (Jan. 1983 to June 1986)

Robert Golisch, PE, CCM

Senior Construction Manager

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WHY SELECTED

- **39 years of professional experience**
- **Heavy infrastructure construction experience**
- **Amtrak & RR experience**
- **Special Inspection Safety/Stability**
- **Special Inspection Structural Bolting/Welding**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer NY, NJ, PA
- Professional Planner NJ
- Certified Construction Manager
- ICC Structural Welding Special Inspector (S2)
- ICC Structural Steel and Bolting Special Inspector (S1)
- Fellow - American Society of Civil Engineers
- Member - National Society of Professional Engineers

EDUCATION

MS, Polytechnic Institute of NY (now known as Polytechnic Institute of New York University), Civil Engineering

BS, University of Missouri – Rolla (now known as Missouri University of Science and Technology), Civil Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Golisch has extensive experience in program and construction management. His emphasis has been on ensuring the quality and timeliness of projects and has a proven history of success in partnering with project stakeholders of diverse agencies to meet project goals and objectives. Mr. Golisch has been successful in completing major projects within their allocated funding with contract values up to $610 million without litigation. Mr. Golisch's experience includes:

Special Inspection Projects, NYC Department of Building Permits, New York, NY - Lead Structural Special Inspector for projects, 2013-Present:

- **350 5th Avenue, Empire State Building, Human Rights Watch 34th floor alteration** - includes structural safety/stability, shoring, bolting, welding, and demolition.
- **1551-1556 3rd Avenue, Whole Foods interior alteration** – structural safety/stability, shoring, bolting, welding, and demolition.
- **475 Fifth Avenue 25 story building renovation** - structural stability; transfer girder erection, bolting, and welding.
- **Novotel Times Square Hotel, W 52nd Street, 33-story boutique hotel renovation** - structural safety/stability, bolting, welding, and demolition.

Project Management Oversight Program, USDOT Federal Transit Administration (FTA), Region II Capital Projects, MTA East Side Access (ESA) and Second Avenue Subway (SAS), New York City, NY - Construction Management Manager on the senior manager team tasked with oversight of ESA projects. Also, review of the grantee's readiness to bid work, helps ensure that the grantee has developed the design documents to an appropriate level of completion; the documents are complete, accurate, and consistent with project management plans; has a plan for bid/award; and that the grantee's organization is prepared to successfully manage procurement and construction. 2010-Present

New Jersey Transit and Amtrak, Portal Bridge Capacity Enhancement Project (PBCE), Kearny-Secaucus, NJ - Deputy Construction Manager for this multi-agency project working in the busiest passenger rail corridor in North America. PBCE received ARRA funding and restarted design in 2011 for the replacement bridge, after a companion initiative, the ARC Mass Transit Tunnel, was cancelled late 2010. Overall, the current PBCE project consists of a new North Bridge two track alignment with high level network tied arches above the Hackensack River to allow the existing 100-year-old swing bridge to be replaced. Improvements include the following components: trackwork, signals, communications, foundations, and bridges, electric traction, excavations, embankments, demolitions, wetland mitigation, environmental restoration, access roads and platforms, and roadway improvements. Currently providing constructability reviews, construction staging plan reviews and construction schedule reviews. 2010-Present

Meadowlands Railroad and Roadway Improvement Project, New Jersey Sports and Exposition Authority, East Rutherford, NJ - Construction Manager for this $216 million multi-agency project of five prime contracts to bring NJ TRANSIT passenger rail service to the New Jersey Meadowlands Sports Complex. The project includes a new 2.3-mile railroad alignment on elevated structure through sensitive environmental areas, a new passenger rail station, and roadway improvements. 2005-2012

New Jersey Transit, Northeast Corridor Modifications Project - Secaucus Transfer Program, Secaucus, NJ - Deputy Construction Manager for an unparalleled $610 million public-private project that was completed within the funding allocation and on time, using multiple shifts, along the busiest rail line in the country. Twelve prime contracts renovating Amtrak's Northeast Corridor and building the Frank R. Lautenberg Rail Station, the project included 20 highway/railroad bridges (250 spans), 20 miles rail track and interlockings, 33 escalators, 12 elevators, MEP systems, roadways, sitework, and heavy civil construction with deep foundations for five future high-rise buildings totaling 3 million SF. Performed constructability/bidability reviews of contract documents. Mr. Golisch's responsibilities included all aspects of construction management, administration, and engineering services: change orders, RFIs, schedule, QA/QC, document control, meetings and records; directing key staff (Resident Engineers, Contracts Manager, Scheduler, Quality Control Manager, Office Engineer, Safety Coordinator, Inspectors); guiding client through program management issues (such as bid prequalification, OCIP, and occupancy by Owner); creating Project Management Manual (PMM), health and safety program, work procedures (SSWP) requirement, and monthly status report; developing/updating program Master Construction Schedule (MCS). 1989-2005

New Jersey Transit, North Jersey Coast Line Electrification and Signal Project, Matawan to Long Branch, NJ - Resident Engineer and Office Engineer on $100 million modernization project of 10 prime contracts for rail terminus with station, underpass tunnel, multi-track rail yards, catenary, traction and signal power, four-tower digital microwave communications system, crew facility buildings, and public utilities, while maintaining 18 miles of active rail lines. UMTA (now known as FTA) recognized project as one of a handful of federal fully funded projects to be completed within the funding allocation and on time. 1985-1989

Multiple Task Order Projects, US General Services Administration (GSA) Region 2 - Project Manager CQM for building projects: MEP systems, historic preservation, interiors, restoration, for the courts, DEA, GSA, and the IRS. 1989-1993

Science Laboratories Project, Stockton State College, NJDBC, Pomona, NJ - Construction Manager for a $2 million project of multiple prime contracts with specialized MEP systems and laboratory equipment, completed on time during an active school year. 1989-1990

Other: Developed schedules and basis for construction claims analysis and presented findings. Assisted Owner's Representative on Route 1 grade separation interchange project in Princeton, NJ (NJDOT).

ORBA Corporation, Fairfield, NJ - Managed design/build industrial construction for material handling facility projects in SC and OH. Conducted forensic investigations at operating facilities in IA and WI, then implemented solutions. Led civil/structural design for design-build projects worldwide.

Rockland County Department of Highways, New City, NY - Designed, completed contract packages, and preformed construction support services for public works facilities, including three bridges and approach highways, according to New York State Department of Transportation (NYSDOT) specifications, in a politically sensitive environment.

Paul T. Dionisio, PE

Senior Civil/Structural Engineer

URBAN ENGINEERS
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WHY SELECTED

- **38 years of professional experience**
- **Substantial NYC waterfront design experience**
- **Prior NYCEDC, Hurricane Sandy Recovery and NYC Parks Department experience**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer FL
- Professional Engineer NJ
- Professional Engineer CT
- Professional Engineer NY
- American Society of Civil Engineers
- AIA/American Consulting Engineers Council Committee
- American Consulting Engineers Council - Metro Region

EDUCATION

MS, 1976, Cornell University, Civil Engineering

BS, 1975, Cornell University, Civil Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Dionisio has extensive experience in the inspection, design, and construction management of civil works, commercial, municipal and transportation facilities and structures. Mr. Dionisio's experience includes:

Integrity Monitoring World Trade Center, Tower 1, Port Authority of NY/NJ, New York, NY - Deputy Managing Director for the integrity monitoring of the construction of $3.5 billion Tower 1, World Trade Center, 3.6 million SF (335,000 sq. m.) office building in downtown New York City. This responsibility is centered on eliminating fraud, waste and abuse. Duties include monitoring the activities of the design professionals and the construction manager, as well as monitoring the construction for safety, compliance with drawing and specifications, schedule cost avoidance. 2011-2014

NYC Economic Development Corporation Marine Engineering Call-In, New York, NY - Project Manager responsible for structural engineering. On-call services for evaluations of pier, bulkhead and waterfront structures throughout the New York metropolitan area. Included plan and elevation drawings and physical inspection of bulkhead walls, identification of areas requiring immediate repair, estimated repair costs; diagrammatic marina layouts at specified waterfront sites; and general information on marina space requests; consultation on facility docking requirements; inspection and analyses of existing pier structures; fathometric survey; and assisting in preparation of permits.

Transit Hub at Financial Plaza Deck on Civic Center Plaza, City of Poughkeepsie, NY - As Project Manager, he was responsible for the design and construction management of a new bus hub which accommodates up to six buses. The project includes utility improvements, shelters, variable message signage, security and communication systems, lighting and customer amenities. Coordination with the community board, and SEQR process were performed for this FTA-funded project. Geotechnical investigation, survey services and revenue collection and card reader system coordination for the passenger vehicle parking deck were also included. 2012-2014

Pier 17, New York, NY - Supervised inspectors for the precasting of prestressed slabs and piles, pile driving, cast-in-place concreting, pile load testing and erection operations. Prepared quality control reports for the pier construction which was designed to carry AASHTO loadings. 1986

NYC Department of Sanitation, Thirteen District Garages, New York, NY - Project/Lead Structural Engineer he led the investigation, design, contract documents and construction supervision for the modernization and renovation of these garages totaling about 400,000 SF. As Resident Engineer, he inspected and reported on the conformance to contract documents of construction work installed for six District Garages (i.e., 3/3A/5, 6/8, 43/46, 45, 50 and 70/72). Mr. Dionisio monitored and reported progress, negotiated change orders, conducted progress meetings, reviewed and approved multiple prime contractors' invoices. Also managed field interfaces between client engineering, operations, audit and other departments. The total construction contract value for these six facility renovations was approximately $14 million (1980 dollars). The work inspected and/or supervised included cast-in-place concrete, reinforcing bar layouts, structural steel erection, masonry, roofing, power, lighting, HVAC, water, drainage, air conditioning, air handling units, tailpipe exhaust, heaters, sanitary sewer, plumbing fixtures, flooring, painting, insulating, fireproofing and architectural finishes. 6/83 – 3/85.

District Garage 6 - NYC Department of Sanitation, Queens, NY – As Project Manager/Resident Engineer, he led the design and construction management for installation of large tanks in an existing garage utilizing a sheet-pile cofferdam with a pile supported, tremie concrete base. 1986

Rehabilitation of Four Stations and Elevated Structures on the West End Line, MTA New York City Transit, Brooklyn, NY - Project Manager for civil, traffic, structural, geotechnical engineering and transit operations analysis for this $160 million project. He led the rehabilitation design of four elevated stations. Mr. Dionisio also led the rehabilitation design of six miles of elevated structure and component rehabilitation for eight stations. He served as key member of high profile, Risk Management study. 2008-2010

Mount Vernon (East) Transportation Center, MTA Metro-North Railroad, Mount Vernon, NY. As Project Manager responsible for extensive interfaces with the City and the development of alternatives analyses. for the engineering services to upgrade and replace the existing Mount Vernon East Transportation Center rail station facilities that services Metro-North's New Haven Line. Designed a station building and platform, a new pedestrian overpass, intermodal transportation center amenities, bus access and a 350-parking space commuter parking facility. 2000-2003

Rehabilitation of Atlantic Avenue Viaduct, MTA-Long Island Rail Road, Brooklyn, NY - Project Manager for preliminary design services to develop design-build bid documents for the $150M rehabilitation of the 8,000 foot long, 199-span Atlantic Avenue Viaduct. 2008-2010

Building Facade Replacement 635 Madison Ave. Corporation 635 Madison Avenue, New York, NY. Project Engineer. He directed the investigation, analysis and replacement design for the facade of this 18-story office building.

Rehabilitation of Pelham Parkway Bridge Over Eastchester Bay - NYSDOT, Bronx, NY – As Lead Structural Engineer, Mr. Dionisio led the structural analyses, load ratings, rehabilitation design, and contract document preparation for this bridge built in 1907. It has 6 reinforced concrete, filled spandrel arch spans and a Scherzer Rolling Lift (double-leaf bascule) span for the. Prepared portions of the bridge reconstruction project report and supervised shop drawing review. Also Resident Engineer for portions of the reconstruction.

Reconstruction of Little Neck Bridge over Alley Creek, Department of Transportation, Douglaston, NY - Resident Engineer responsible for client interface, reporting, progress payment reviews and supervision of the contractor's work on this $1.2 million bridge reconstruction on Northern Boulevard. He inspected deck replacements, steel repairs, bearing replacements, latex topping, paving work and other items. 11/83 - 4/86.

MTA Metro-North Demolition And Removal Of Obsolete Railroad Structures, MTA Metro-North Railroad, Bronx/Westchester/Putnam Counties, NY: Project Manager. Responsible for structural engineering and inspection and construction support services for the demolition of several buildings and bridge structures along Metro-North's Harlem and Hudson Lines. This included several brick buildings; a steel overhead bridge and cable rack; and an overhead concrete and steel movable bridge. Also included monitoring and/or follow-up for on-site inspection of contractor's workreview of work platform design and submittals, lifting and demolitions plans, protection of adjacent structures and shielding adjacent to active tracks; and review of plans for maintenance of vehicular, pedestrian and train traffic. 1998-1999

Columbia Broadcasting System, CBS Broadcast Center, New York , NY. Lead Structural Engineer for the Preliminary Engineering Phase and Quality/Lead Structural Engineer for the construction support services and controlled inspection. The building was a thirteen story steel-framed office building. Mr. Dionisio monitored construction including underpinning of existing buildings, complex catwalk framing and concrete footings. 1984-1985

Lincoln Pequannock Water Treatment Facility, Morris County, NJ – As Assistant Resident Engineer, Mr. Dionisio was responsible for inspection of all earthwork and concrete construction including major clarifiers, tunnels, and foundations. 1982

NJ Transit General Architectural/Engineering Services, NJ. As Task Leader he was responsible for various NJ Transit projects including Hoboken Terminal improvements, and Secaucus Transfer Station cost estimating. The Secaucus Transfer Station task required interface with the NJ Transit Program Manager and the Design Engineer. Design verifications were performed for an advanced design stage, together with development of costs estimates for the additional foundations needed to support **a** high rise office building over the Terminal. One Hoboken Terminal task involved the condition assessment of the North Wall of the Terminal. In a subsequent task the design was prepared for the replacement of the wall's structural system. Other tasks included the New Brunswick Station tunnel waterproofing, and various rail station platform improvements.

Andrew G. Royston, EIT

Civil/Structural Inspector

URBAN ENGINEERS
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WHY SELECTED

- **5 years of professional experience**
- **NYC construction management experience**
- **Certified special inspector**

REGISTRATIONS/ MEMBERSHIPS

- Engineer in Training, NJ
- ACI Concrete Field Testing Technician, Grade I
- ACI Concrete Construction Special Inspector
- ICC Structural Masonry Special Inspector
- 4hr NYC DOB Supported Scaffold User

EDUCATION

- BE, 2009, Stevens Institute of Technology, Mechanical Engineering
- MS, 2009, Stevens Institute of Technology, Project Management

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Royston's experience as a Construction Manager includes civil, rail, bridge, high rise and facility engineering projects. He is an excellent communicator with clients, contractors, and designers. He ensures high quality of work for all projects that he manages and has proven experience in delivering projects on time and within budget. Mr. Royston has successfully managed multiple design, construction, and special inspection projects, providing clients with the service they expect from Urban. Mr. Royston's experience includes:

Central Bus Maintenance Facility Dynamometer Design, County of Westchester, Yonkers, New York – Assistant Project Manager for the design of a new dynamometer and brake tester to accommodate 60' buses at this maintenance facility. Project involves evaluation and recommendations for the new equipment, electrical power for the new equipment, HVAC exhaust system upgrades, additional make-up air, air cooling, fire protection and controls. Managed the design effort between MEP department, Civil/Structural departments, architectural and cost estimating subconsultants. Participated in site surveys, reviewed drawings and monitored schedule and budget throughout all phases of the design.

New York City Special Inspections – Project Manager and Special Inspector for multiple projects in New York City. Responsibilities include supervising inspection staff, tracking project schedules and budgets, coordinating inspections with clients and contractors, and filing required NYC Department of Buildings documentation. Several recent projects include:

- 475 Fifth Avenue Renovation, Jones Lang LaSalle, Manhattan, New York – Class A office building.
- 222 Broadway Renovation, L&L Holding Company, Manhattan, New York – Class A office building.
- St. Luke's Roosevelt Hospital, The Linde Group, Manhattan, New York – Bulk Oxygen System replacement.
- 1551 3rd Avenue, Whole Foods, Manhattan, New York – Retail renovation.
- Novotel Hotel Times Square, UBSL Ltd., Manhattan, New York – Structural renovations.

Hunts Point Landing, New York City Economic Development Corporation (NYC EDC), Bronx, New York – Construction Manager for a new 1.25 acre waterfront park as part of the South Bronx Greenway program. Inspected cast-in-place concrete, pile and pier installation of marine-based construction operations, grounding and lighting systems, landscaping and park amenities. Provided onsite management and tracked contractor progress.

Lafayette Avenue Reconstruction, New York City Economic Development Corporation (NYC EDC), Bronx, New York – Construction Manager for streetscape construction of South Bronx Greenway program including underground utility improvements, reconstruction and paving of a five-city-block roadway, landscaping and installation of concrete medians, sidewalks and pedestrian features. Verified that construction followed NYC DOT specifications and contract documents. Calculated and verified payment quantities per NYC DOT specifications and maintained quantity book. Prepared calculations and spreadsheets for payment documentation. Maintained project punchlist, inspecting and accepting rework items. Tracked material, labor and equipment records for change orders.

West 125th Street Streetscape Improvements, New York City Economic Development Corporation (NYC EDC), Manhattan, New York – Construction Manager for constructability. Reviewed and commented on contract drawings for and determined engineer's estimates for payment items. Developed contract bid list and engineer's estimate for all divisions of work including utilities, site/civil, landscaping, traffic signals, roadway reconstruction, curb realignment, lighting and pedestrian features. Reviewed contract documents for accuracy and completeness. Confirmed all bid items meet NYC DOT Specifications. Calculated and verified additional bid quantities and estimates as design progressed. Analyzed construction bids after advertisement.

Fort Monmouth Base Realignment And Closure (BRAC) Program, US Army, Fort Monmouth, New Jersey and Aberdeen, Maryland – Engineering Support for US Army CECOM General's Staff (C4ISR G4) for the BRAC program to move personnel, laboratories and equipment from Fort Monmouth, NJ to new and reuse space at Aberdeen Proving Ground, MD. Program involved a design-build contract of a new six multi-story building campus and five design-bid-build contracts for four new multi-story buildings and one building renovation. The new facilities included customized laboratory spaces for complex Army research and operations, office spaces, secure storage areas, a high quality acoustic auditorium, and IT infrastructure. The campus and other buildings included new parking lots, open landscaped areas and pedestrian areas. Determined electrical, HVAC, water, Sewer and other utility requirements for final fit out of these buildings by conducting design review meetings with Generals and directors of Army mission organizations. Identified gaps between design documents and evolving user architectural and utility needs. Provided design information and drawings for scope changes to the designer for architectural, utility, HVAC, and complex security systems. Inspected buildings for final acceptance by the Army and participated in the commissioning of building equipment and systems. Coordinated bid process to obtain food service vendors through the Army's vendor program and worked with vendor design teams to develop the food service locations. Provided oversight and support for logistics move of over five thousand people and all laboratory and office equipment from Fort Monmouth to Aberdeen Proving Ground.

Meadowlands Railroad and Roadway Improvement, NJ Transit, East Rutherford, New Jersey – Construction Inspector for three construction contracts including railroad work on bridge structures, a new three track train station and multiple road realignments, paving, roadway bridges, and a pedestrian overpass. Responsibilities included inspection of electrical and signal systems, cast-in-place bridge foundations and piers, steel girders, precast bridge beams, and railroad construction including track alignment and turnout installation. Additional inspections involved bridge drainage, bridge waterproofing, earthwork and landscaping. Inspected construction of new rail station including directly monitoring pile driving operations of over 400 H-piles, HVAC installation, poured and precast concrete and building finishes. Calculated field quantities of items for payment.

New Jersey Sports and Exposition Authority, East Rutherford, New Jersey - Engineering and Construction: Coordinated construction activities and schedules among the New Meadowlands Stadium, NJ Transit Rail Line, and Xanadu projects. Created project-specific Font End, RFQ, and RFP documents. Negotiated contract overruns and contractors. Maintained and catalogued project documents. Worked with architects to design alternative solutions to issues during construction. Coordinated multiple permit applications with the NJDCA. Acted as site engineer for inspection of temporary structures. Managed numerous maintenance projects onsite at the Meadowlands Sports Complex.

Patty C. Robles, EIT

Civil/Structural Inspector

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WHY SELECTED

- **6 Years of Professional Experience**
- **Project Coordination on FTA Emergency Relief**
- **FTA Funded Transit Project Experience**
- **CAD experience**
- **ACI Special Inspection certification**

REGISTRATIONS/ MEMBERSHIPS:

- Society of Hispanic Professional Engineers (SHPE)

EDUCATION:

- BS, 2011, New Jersey Institute of Technology, Civil Engineering

CERTIFICATIONS:

- New Jersey EIT
- ACI Concrete Construction Special Inspector
- ACI Concrete Field Testing Technician, Grade I
- ICC Spray-Applied Fireproofing Special Inspector
- ICC Structural Masonry Special Inspector
- ICC Steel and Structural Bolting Special Inspector Certification (Pending)

RECORD OF PROFESSIONAL EXPERIENCE

Ms. Robles is an Engineer in Training with diverse inspection and project management experience on multi-million dollar projects. Her leadership qualities and knowledge related to project coordination make her a valuable asset. Ms. Robles' experience includes:

PATH Task Order 15; Interim Project Management Support for Projects Related to Super Storm Sandy, Jersey City, NJ – Following the emergency work completed by the Port Authority Trans-Hudson Corporation (PATH) in response to Super Storm Sandy, PATH retained Urban's services to provide expert Professional Planning, Project Management, Program Management, FTA Application Grant Assistance and Related Services. Ms. Robles was fully engaged with the Federal Transit Administration's (FTA) grant application process immediately following Super Storm Sandy and is able to provide knowledgeable support to PATH. Ms. Robles is also directly involved with the preparation of a Program Management Plan (PMP) that will serve as a guideline for PATH's management and operations. In a Project Management capacity, Ms. Robles is actively tracking project progression to keep the Task Order within budget. (2013-2014)

Shore Parkway Bikeway and Pedestrian Path, Brooklyn, NY – In response to the damage from Super Storm Sandy, the Department of Parks and Recreation has awarded a contract for "Emergency Clean Up and Make Safe". As a Resident Engineer, Ms. Robles was responsible for the continued progression of the project as designed. As the owner's representative Ms. Robles was responsible for any resolutions needed on the field as well as for creating daily reports. She was also responsible for tracking quantities, assuring quality, and keeping the project within budget. (2013-2014)

Novotel Times Square Hotel Renovation, UBSL, Manhattan, NY – Special Inspector for renovation of public spaces (lobby, entrance, concierge, etc.) for this 33-story boutique hotel near Times Square. Project included installation of a canopy over the West 52nd Street Entrance and renovations to the mezzanine and sky lobby. Ms. Robles was responsible for Special Inspection of Cast-in-Place Concrete. Tracked and reviewed contract drawings, shop drawings, contract specifications, relevant ACI specifications and submittals for special inspections. Reports were created and submitted by Ms. Robles following each inspection. (2013)

Super Storm Sandy Relief Effort, New York, NY – In response to the devastation created by Super Storm Sandy, the Federal Transit Administration (FTA) has employed Urban's Project Management Oversight Program engineering support contract to assist them in establishing the cost to repair and/or replace transit capital assets in the region. Ms. Robles served as a Project Coordinator where she was responsible for obtaining and confirming the accuracy of all damage assessment project data with all project managers assessing MTA, LIRR, NJ Transit, PATH, Metro North Railroad, and New York City Transit Restoration Projects for Super Storm Sandy. Ms. Robles was essential in preparing and collecting all FEMA Forms for over 300 projects where damage was assessed throughout the region. She was also responsible for aiding in the writing, assembly, and packaging of weekly and term reports that were combined to be voted on by the U.S. Congress for Federal Financial Aid. (2012-2013)

River Terrace Apartments Elevator Upgrades, Courtyard and Garage Repairs, 158th Street and Riverside Drive Housing Co., Inc., Manhattan, NY – Special Inspector for elevator upgrades, courtyard, and garage repairs for the 431-unit, 16-story apartment building. Project included repairs of the concrete garage decks, complete demolition of the courtyard, installation of new courtyard with landscape features, rehabilitation of existing steel and new pedestrian canopy, and new mechanical equipment for the elevator machine rooms. Ms. Robles was responsible for Special Inspection of Cast-in-Place Concrete. Tracked and reviewed contract drawings, shop drawings, contract specifications, relevant ACI specifications and submittals for special inspections. Reports were created and submitted by Ms. Robles following each inspection. (2012-2013)

United Airlines, LaGuardia Airport, New York, NY – Urban designed and performed construction support services for apron paving at LaGuardia Airport. Ms. Robles reviewed construction drawings and inspected concrete pouring activities. Observed, assessed, and documented findings. She also attended the Port Authority inspection walk through for Partial Inspection and provided information as needed. (2012)

Saratoga Bus Maintenance Facility, Saratoga Springs, NY – Urban was selected to provide MEP and Civil Engineering design services for the design of a Bus Maintenance Facility in Saratoga Springs, NY. Ms. Robles was responsible for aiding the project manager and assuring all necessary documents have been received and properly maintained. Assisted project manager with project management duties including preparing the scope of work and maintaining the budget. She also maintained communication with the Client to assure quality and timely submittals. (2012-2013)

West 125th Streetscape, NYEDC, Bronx, NY – The West 125th Streetscape Project is a large multi-million dollar effort involving four separate phases of construction requiring coordination with Columbia University construction projects in one of Manhattan's most intermodal neighborhoods. She performed extensive research into public databases on vault information within the project limits. Also conducted the building vault survey on-site to locate and assess the contents of all building vaults within the project's limits. This required outreach and coordination with local vendors, owners, and tenants. (2012)

Transit Hub, City of Poughkeepsie, Poughkeepsie, NY – Urban was selected to address the needs and desires of the City of Poughkeepsie for a safe, functional transit services center. The project will create an ADA-accessible central location for bus transit passengers and also be a hub of information allowing for intermodal connections. Urban's team is providing project management, civil engineering, electrical, traffic, maintenance and protection of traffic (MPT), landscaping, cost estimating and constructability construction inspection services. Ms. Robles prepared contract documents and has been an integral part in mobilizing the project. She is also responsible for aiding the project manager and assuring all necessary documents have been received and properly maintained. (2012-2013)

Claims Project, Chartis, Astoria, NY – This claims project required a field investigation of claimant's report of property damage resulting from neighboring construction. Observed, assessed, and documented findings. Reviewed Shoring and Underpinning plan as a basis for interpreting damage. (2012)

Claims Project, Chartis, Brooklyn, NY – This claims project required a field investigation of claimant's report of property damage resulting from Hurricane Irene. Observed, assessed, and documented findings. Research was conducted of as built conditions available for public access as a basis for interpreting damage. (2012)

C. V. Associates NY; PE, LS, P.C., Harriman, NY – As an Engineering Technician/Assistant Culvert Inspector, assisted the Project Manager and Project Engineers in evaluating structural ratings of highway structures with contract value of $2.7 million. Established inspection lists and maintained database for culvert inspections. Created weekly schedules for culvert inspections and updated GIS map. Assisted Team Leader in inspecting assigned small culverts between 5 and 20 feet. Inspected small bridges and calculated capacity upon request. Provided plan drawings, photo location plans, inventory sheets, and any other requests from Team Leader post-inspection to prepare reports. (2011-2012)

North Jersey Transportation and Planning Authority, Newark, NJ – Intern/External Affairs. Assisted with coordinating various symposia in a transportation and technology series. Also created PowerPoint presentations to be to be used for different forums; created CAD layouts of office for internal use; created a digital layout of a conference room for internal staff use and future planning; tracked approximately 100 sub-regional studies for the past 15 years to determine if any improvements have been implemented; and assisted with different surveys conducted in different counties. (2010-2011)

Kevin J. Buchanan

Senior Civil/Structural Inspector

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WHY SELECTED

- **30 years of professional experience**
- **ACI / ICC Certified Inspector**
- **AWS / CWI Inspector**
- **NY State DOT Certified UT Inspector**
- **NDE Level III MT/PT**

REGISTRATIONS/ CERTIFICATIONS & MEMBERSHIPS

- ASNT Level III PT & MT
- AWS CWI
- ACI Special Inspector
- ACI Concrete Field Testing Technician Grade I
- NDT UT NY State DOT
- ICC Special Inspector-Structural Welding#S2, Structural Steel and Bolting #S1, Structural Masonry #84, Sprayed-Applied Fireproofing #86
- NDT Level II, MT, PT, RT, UT, VT, AWS, CAWI, PCI Level II, ACI Special Inspector
- NDT Level III Military MT, PT, RT, UT, ET
- American Welding Society
- American Society of Nondestructive Testing
- America Concrete Institute
- International Code of Council
- American Society of Civil Engineers

Military

- Vermont Air Nation Guard, Burlington, VT

EDUCATION

- Burlington High School - Diploma

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Buchanan has over 30 years of experience in the inspection and NDT testing industry. Inspection experience includes field inspections and shop inspections on buildings (pre-cast and steel), bridges (pre-cast and steel) nuclear and fossil power plants, paper mills, military aircraft and pipelines. Mr. Buchanan has working knowledge of ASTM's, ASNT, ASME, AWS, AISC, ACI, Military Standards, NY City Building Code, NY State Construction Manual, ICC codes. He has managed inspection offices for large engineering firms, and inspection & testing firms.

Special Inspection Experience

Mr. Buchanan has been work in the New York City area since the inception of the Special Inspection Program. He has been involved with the NYC Building department in special projects during the development of the Special Inspection Program. Some of the major projects that Mr. Buchanan was involved with are listed below:

Staten Island Hospital Addition – Special Inspections included Structural steel bolting & welding and Gas Piping Welding

NYU Bio Center 12-16 Waverly Place (9 Story Building) – Special Inspections included – structural welding, bolting, sprayed on fire proofing, fire stopping, sprinkler system, structural masonry and structural stability

Con Edison Mont Haven Sub-station Bronx, NY – Special inspections included Structural welding, bolting, Pre-cast concrete (plant & field), Rebar, Cast-in-place concrete, Fire stopping, sprinkler system and structural stability

Con Edison Aster Sub-station Manhattan, NY - Special inspections included Structural welding, bolting, Pre-cast concrete (plant & field), Rebar, Cast-in-place concrete, Structural masonry, Fire stopping, sprinkler system and structural stability

Con Edison Parkview Sub-station Harlem, NY - Special inspections included Structural welding, bolting, Pre-cast concrete (plant & field), Rebar, Cast-in-place concrete, Structural Masonry, Fire stopping, sprinkler system and structural stability

Con Edison Academy Sub-station Harlem, NY - Special inspections included Structural welding, bolting, Pre-cast concrete (plant & field), Rebar, Cast-in-place concrete, Structural Masonry, Fire stopping, sprinkler system and structural stability

NYU 34 Stuyvesant Place - Special Inspections included – structural welding, bolting, fire stopping, sprinkler system, structural masonry and structural stability and Energy Code Compliance

Con Edison 4 Irving Place – Local Law 11 special Inspections – Structural masonry, Structural welding and Structural stability

7 World Trade Center – Special Inspections – Concrete Coring Inspections for the NYC Building dept.

Whole Foods 87th Street and 3rd Ave. Manhattan, NY. – Special inspections include – Structural welding & bolting, rebar, cast-in-place concrete, Sprinkler system

Mr. Buchanan has been involved in many smaller projects that have required special inspections not listed here.

Major Contract Experience

NY State DOT Structural Steel Contract
NY City Steel Inspection Contract
Massachusetts DOT Steel Inspection Contract
New Hampshire DOT Steel Inspection Contract
Maine DOT Inspection Contract
Rhode Island DOT I-95 Rehab Project
Vermont DOT Steel Inspection Contract
Connecticut DOT Steel Inspection Contract

Mr. Buchanan has managed the above listed inspection contracts with various companies, providing CWI inspectors at fabricating facilities and field project sites. His involvement included supplying certified personnel and review project specifications and drawings along with final review of reports for quality compliance with drawings and specifications.

Major High Rise Experience

New York Hospital Addition over FDR Drive – Inspection Team Project Manager supplying CWI inspectors at fabricating facilities from Toronto, Canada down to South Carolina and west to Grand Junction, Colorado. Mr. Buchanan reviewed welding procedures and drawings on all of the structural members being fabricated. He provided a team of inspectors to provide all of the structural steel inspection on site. Reviewed all reports for compliance with drawings / specifications and that the NYC Building Code requirements were complied with.

42nd Street Towers (65 stories) – Project Manager in conjunction with the NYC Building Department in taking core samples to determine concrete strength in areas of the building as designated by the Structural Engineer for compliance with undocumented concrete breaks during the construction of these two projects. Reports were documented evidence for the NYC Building department.

South Station Boston, Massachusetts - Inspection Team Project Manager supplying CWI inspectors at fabricating facilities around the northeast. Inspection personnel were provided for onsite inspections. Mr. Buchanan performed all welding inspections including reviewing and approving welding procedures to be utilized on the project. Reviewing drawings / specifications along with all inspection documentation to be submitted was conducted.

Other Large Projects:
Dana Farber Cancer Center Boston, MA.
TF Green Airport Warwick, RI
St. Francis Hospital, Hartford, CT
New York University Hospital Addition Staten Island, NY

Major Pre-cast, Concrete & Masonry Experience

Con Edison – Mont Haven Sub-station (Pre-cast building) Bronx, New York
Con Edison – Aster Sub-station (Pre-cast building) Manhattan, New York
Con Edison – Park Ave Sub-station (Pre-cast building) Harlem, New York
Con Edison – Rock View Sub-station (Pre-cast building) Yonkers, New York
Con Edison – Elmsford Sub-station (Pre-cast building) Elmsford, New York
Freedom Tower – New York City – Concrete Mock-up tests for footings
4 Irving Place – Local law 11 - Masonry
NY Racquet Club – Local Law 11 – Masonry

Mr. Buchanan monitored and conducted the testing and inspection operations on the above listed projects. This included visiting the precast fabricating facilities and providing the inspectors for the project site. It also included reviewing drawing and specifications, insuring the reports were in accordance with NYC Building Code requirements including insuring TR-1 and TR-2 were filed correctly.

Ronald Popotte

Senior Civil/Structural Inspector

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

- **15 years of experience**
- **Task order Inspection experience**

CERTIFICATIONS:
MEMBERSHIPS:

- ACI Level I, ACI Level II
- ICC Masonry

EDUCATION:

- BS, 2001 City College of New York, Civil Engineering
- BS, 1998, SUNY OSWEGO, Physics

RECORD OF PROFESSIONAL EXPERIENCE

Recent project experience with Task Order type assignments, serving as the primary point of contact and the responsible party in the field for the client. Works with Design Engineer team to provide input on constructability reviews for project development, and when applicable suggested edits and changes to standard details, specifications and guideline documents. Review and comment on Contract and Work Order drawings before awarded for Bid. Prepare public reports such as bid proposals and environmental impact statements, Prepare period reports and assessments for each project phase.

Chairs meetings (Pre-Construction Meetings, Construction Progress Meetings and Partial/Final Inspections) with contractors, facility personnel, design consultants and other stakeholders. Has managed 12 direct reports consisting of Civil/Structural Engineers, Electrical/Mechanical Engineers, Office Engineer and Construction Inspectors.

Performs reviews on contractor's construction baseline schedule, prepares and initiates field change notices, and ensures all required tests, operations, measurements, and inspections are scheduled, ordered, and satisfactorily completed and documented. Reviews status of correspondence, monthly updates, payments, PACC's and close out documentation to assure timely processing of Contract administration paperwork.

Evaluate, negotiate and prepare documentation for change orders (review and negotiate contract change orders on behalf of the Authority) or claims.

Downtown Path Restoration Program between Exchange Place and World Trade Center
The contract provided construction modification to PATH Tunnels "E" and "F" between World Trade Center Station and Exchange Place Station. Construction included the removal of existing construction, asbestos removal, the construction of track including track support structure, the construction of duct bank, cables including high voltage traction power, communication and signals, the construction of lighting, drainage, fire protection operation.

PATH-Building & Site Repairs (Hurricane Sandy)
Immediate Repairs at Port Authority Trans-Hudson Corporation facilities via Work Orders, in order to minimize the potential for loss of life and property and to facilitate the resumption of safe operations and essential agency functions in a timely manner.

Consolidated Maintenance Facility at Waldo Yard-Miscellaneous Modification
The contract provides for the upgrade of the HVAC system; work includes installation of ventilation equipment for the rail, welding and carpenter shops: installation of access doors; replacement of miscellaneous air handling units; modification of air ducts, structural steel supports and electric service panels; caissons; foundations; and miscellaneous replacement of walls, ceilings and doors.

Washington Street Substation #2 Emergency Diesel Generator Replacement
The contract provides for the installation of an emergency generator, including low voltage switchboard and controls at the Washington Street substation to replace the existing emergency generator, low voltage switchboard and controls.

PATH-CCTV Installation
The contract provides for the installation of equipment such as cameras, digital video recorders, cables, multiplexers, network servers, monitors, and video equipment and in some cases control room. It also required soft ware's such as monitoring system, a response or reaction system, video footage storage system and record system and an evidence control system

Upgrade Underground Storage Tanks
The major work under this Work Order was the replacement of tank sump and equipment, slab removal and replacement, & 10,000 gallon tank upgrade.

PATH Train Operations Building Construction
Contract calls for construction of a 22,000 square feet building to house a primary Security and Control functions required for operations of the PATH rail system. Scope of work included related site improvements, mechanical/plumbing, electrical, architectural, HVAC systems, etc.

Replacement & Upgrade to Switchstation #6 & #10
The contract provides for replacement and upgrade of two direct current (DC) switchgear in two switching stations (#6 and #10), including major components such as high voltage equipment and transformers, auxillaries, control systems, protective equipment

Path - Bus Terminal Escalator Replacement
Contract calls for replacement of eight escalators at JSTC from the Concourse Level to the Bus Terminal with new heavy-duty escalators, including associated components and controller.

New York City Transit-SPM 2 Broadway New York, NY
As Field Engineer monitored and inspected installations of exhaust fan/HVAC work, conduits, lighting fixtures, electrical panels, and electrical cables. Inspected all aspects of the work including dimensions, connections, embeds, finishes and coordinated GO Request and Flagging Request. Reviewed requirements with the contractor and resolved all questions and/or differences of interpretation prior to start-up of each phase of the work. Define records to be maintained and or turned over to the NYCT quality record Matrix. Oversee inspections for completeness and quality.

Kennedy Airport (Monorail Access) Merk Power Plant (Linden, New Jersey)
Pile Inspection.
Set up and monitored Vibration Monitor, Static Load Test according to NY&NJ building code.
Performed Surface Excavation Test, Pile Dynamic Analysis Testing

PATH-Harrison Car Maintenance Facility - South Yard Site Work for Track Installation
The contract calls for installing four storage tracks within the South Loop to provide storage for 16 additional cars. Contract work included excavation and disposal of soil, sub grading, install new conduit duct banks and hand holes and install 12 inches of ballast.

PATH –FM 200 Fire Suppression Systems
The contract calls for installation of underground fire mains, wet automatic sprinkler systems, and clean agent FM 200 system in existing maintenance facilities and support facilities. Project scope included: installation fire alarm systems, security cameras, access controls, voice and data systems, pro-sound systems.

Waldo Yard-Hazardous Waste Storage Facility
The contract calls for the erection of a 2,100 square feet modular Hazardous Waste Storage Building. Work includes foundations, paving, perimeter fencing, utilities and installation of a closed-circuit video camera.

PATH –Harrison Station Demolition of Existing Buildings
The contract provides for demolition of existing three single story industrial manufacturing buildings that is required for the redevelopment of the PATH Harrison Station. All abatement and disposal of materials was performed in accordance with all applicable standard and environmental requirements.

John Cochrane, Jr.

Civil/Structural Inspector

URBAN ENGINEERS
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WHY SELECTED

- **18 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- AWS Certified Welding Inspector and Educator
- Certified Combination Welder
- ASNT Level 2 PT\MT\UT Certification
- ICC Certified Structural Steel and Bolting Inspector
- ICC Certified Structural Welding Inspector
- ICC Spray Applied Fireproofing Inspector (Previously)
- Troxler Certification for use of Nuclear Density Gauge
- Certification from the State of New Jersey Department of Community Affairs/Uniform Construction Code as a Structural Welding/Steel/Bolting Inspector
- ACI Concrete Field Testing Technician – Grade 1 Certification
- OSHA 8 Hour Safety Training
- Current TWIC card for restricted access

EDUCATION

Supervisory and Project Management Training, Bucks County Community College

Major in Metallurgy of Welding and Joining under the direction of the ASM International Education Department

RECORD OF PROFESSIONAL EXPERIENCE

Cyclesport – Welder\Fabricator

- GTAW Welding of thin wall aluminum, titanium, and chromoly custom bike frames. Frames include track bikes and tandem bicycles.

SEPTA – Welding Inspection and Existing Steel Discovery

- Contracted to evaluate the condition of the existing structural steel canopies and welds at train, subway and above ground rail lines.
- After installation of the new structural steel, reports and documentation of the bolted and welded components were supplied in accordance with the applicable standards.

I Tool Co – Quality Assurance Development

- Contracted to develop a quality control manual and specifications for the various products developed and manufactured at the Knoxville, TN plant.
- Welder training and continuing education developed to continually improve welding proficiency and advancement through different required welding capacity.
- Develop quality guidelines for material procurement and documentation of traceability throughout the manufacturing process.

Skyline Steel – Quality Assurance Engineer\Authorized Inspector\Welding Manager

- Responsible for welder and procedure qualification for sub-contractors and full time employee.
- Responsible for Welder Training, Certification and Continuing Education.
- Equipment set up and calibration.
- Site visits to ensure quality standards continue to be met according to the customer requirements.
- Responsible for keeping traceability from procurement to the final product.
- Responsible for ordering consumables and outside equipment in order to keep production flowing smoothly for the full time employees and sub-contractors.
- Internal audits completed to ensure that the applicable codes and company requirements are met during production.

AMER Industrial Technologies – Quality Assurance Engineer\Authorized Inspector\Welding Manager

- Responsible for creating and qualifying the welding procedures used for all jobs (Process or Nuclear).
- Responsible for tracking and keeping welder qualifications up to date.
- Responsible for ensuring the consumables meet the customer and code requirements for each particular job and welded connection.
- Responsible for ensuring the materials meet the customer and code requirements for each particular job and welded connection.
- Responsible for receiving inspection to insure the chemical analysis, heat treatment schedule, surface preparation, machining, documentation, paint, packaging and dimensional tolerances meet the customer and code requirements. Also ensuring the vendors have been approved\audited to meet customer, code, and NQA-1 requirements. All materials were also required to have a heat and material identification number assigned to them and to also be stored in accordance with the customer requirements and at a minimum the requirements of the code and material manufacturer requirements.

- Responsible for pre and post heating material during welding processes as required by the customer or applicable code.
- Responsible for creating forms to document traceability of the welds and material throughout the fabrication process.
- Constant communication with the management and engineers to provide accurate timelines for work to be completed and meetings to discuss ways to improve our fabrication processes as well as root cause analysis of failures or delays which cost the company valuable time and money.
- Conducted weekly welding and safety training to improve and provide continuity in the way that we work. The safety aspect is important in order to enforce accountability and to also improve awareness of how much easier it is to prevent accidents by giving the employees the tools required to operate in a safe and controlled workplace. I use the welding training courses as an opportunity to pass on the tricks of the trade that I have learned over the years and to also allow input from other welders to make any changes to work policies that will increase quality\productivity and or provide a better program as a whole. Welding training is also hands on in which I work with the welders individually to improve their skills and to also ensure that everyone is following the same welding principals that have been taught for years.
- There are many other tasks that I complete on a daily basis, however these are what I feel to be the most important in reference to the position held.

ATC Associates – Senior Field Inspector\Project Manager

- Responsible for implementation of the applicable construction codes at multiple job sites.
- Coordination and scheduling of various types of inspection at various stages of construction.
- Close interaction with contractors and construction managers to carefully develop a relationship so that I could give realistic estimates of when specific phases of construction would be completed, while maintaining the highest quality possible.
- Precise documentation of work performed as well as deficient work so that all parties involved would have access to job files, this is to prevent wrongful liability.
- Site meeting to discuss specific details with the construction manager and contractor in order to precisely complete tasks and keep everyone aware of any issues that may need the approval from the engineer of record.
- Steel, Concrete, Soil, Masonry and Fireproofing inspection were performed daily.

Bureau Veritas – Senior Field Inspector\Project Manager

- Responsible for implementation of the applicable construction codes at multiple job sites.
- Coordination and scheduling of various types of inspection at various stages of construction.
- Close interaction with contractors and construction managers to carefully develop a relationship so that I could give realistic estimates of when specific phases of construction would be completed, while maintaining the highest quality possible.
- Precise documentation of work performed as well as deficient work so that all parties involved would have access to job files, this is to prevent wrongful liability.
- Site meeting to discuss specific details with the construction manager and contractor in order to precisely complete tasks and keep everyone aware of any issues that may need the approval from the engineer of record.
- Steel, Concrete, Soil, Masonry and Fireproofing inspection were performed daily.

Nooter Construction – QA/QC Coordinator (Contract Position)

- Responsible for welder qualification including visual inspection and X-Ray interpretation
- Responsible for coordinating hydro tests and also ultrasonic/magnetic particle examination by third party inspection agencies hired by client.
- Responsible for breaking down the job scope into piping/test packages for job turn around and new construction
- Responsible for requesting weld procedures and ensuring material is properly identified and documentation is in place
- All work completed and inspected in accordance with AWS and ASME code

Gregg A. Mehl, EIT

Construction Inspector

URBAN ENGINEERS
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WHY SELECTED

- **5 years of professional experience**
- **Material testing experience**
- **ACI Concrete Construction Special Inspector**

REGISTRATIONS/ MEMBERSHIPS

- Engineer In Training
- American Society of Civil Engineers (ASCE)Maryland Chapter
- ICC Certified Spray-applied Fireproofing Special Inspector
- ICC Certified Structural Masonry Inspector
- AWS Certified Welding Inspector (CWI)
- ACI Concrete Construction Special Inspector
- ACI Concrete Field Testing Technician – Grade I
- Certified – Construction Safety & Health (10-hr-OSHA) Confined Space Training (OSHA), NYCDOB Scaffold Training (16-hr user course) and Transportation Worker Identification Credential Card)

EDUCATION

BS, Civil & Environmental Engineering, University of Maryland, A. James Clark School of Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Mehl is a graduate civil engineer with extensive experience in laboratory material testing and special inspection work.

Kline, Engineering, P.C., Farmingdale, NY
Civil Engineer, EIT/Chief Inspector
Responsible for conducting quality control inspections of construction materials on-site. Interpret structural shop and contract drawings, in order to complete inspections. Manage all aspects of special inspections in the construction phase, from initiation to completion, to ensure all specifications and requirements are met. Prepare daily reports and logs to document completed work. Evaluate and examine field and laboratory data/results. Coordinate with Project Managers and Superintendents to schedule effective QC inspections.

Representative projects that Mr. Mehl participated on include:

- NYU Center for Genomics and Systems Biology; Special Inspections
- Academy Substation ConEd of New York; Special Inspections
- World Trade Center Transportation Hub; Concrete Testing and Quality Control

Michael Owamagbe, EIT

Inspector

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

- NYSDOT experience
- Roadway/Bridge Inspection experience
- Engineer in Training

REGISTRATIONS/ MEMBERSHIPS

EDUCATION

- University of Buffalo, Buffalo, NY BS-Civil Engineering

CERTIFICATIONS:

- New York State – Engineer in Training (EIT)
- Certified Earthwork Inspector – NYSDOT
- Certified Concrete Field Testing Technician – NYSDOT
- ACI Concrete Field Testing Technician – Grade I

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Owamagbe is a graduate civil/structural engineer with experience as a construction inspector on NYSDOT Highway construction projects. He is experienced with testing of soils, concrete and steel in accordance with NYSDOT standard specifications.

Office Engineer/Construction Inspector - Food Center Drive-Bronx, NY-NYCEDC - Mr. Owamagbe serves as office engineer and construction inspector. He is responsible for reviewing contractor compliance with plans and specifications. He also maintains records per MURK. The Reconstruction of Food Center Drive is a large multi-million dollar project that involves the reconstruction of over a mile and half of a heavily trafficked service road in the South Bronx. This roadway provides access for heavy volumes of truck traffic for New York City's food distribution centers. Mr. Owamagbe assisted in constructability reviews at the 90% completion phase of the design drawings. He assisted developing the bid packages for the project, identified and assessed potential budget decreasing scope reductions, and advised the design team with comments for the bid list and constructability review.

Transportation Construction Inspector - ITS/INCIDENT MANAGEMENT/PHASE 4B & 4C, NYSDOT; RTS 5, 20, 33, 75, 198, 219, 290I, 400 & 990I; CITIES OF BUFFALO & LACKAWANNA, TOWNS OF AMHERST, HAMBURG, ORCHARD PARK & WEST SENECA; NYSDOT – D261629 – Installation and testing of fiber optic lines for loop detectors, traffic cameras, traffic lights, DMS boards, etc for NYSDOT region 5. Installation of pull boxes and vaults for storage of Fiber Optic slack. Responsible for pay items, measurements and record keeping, work zone safety and traffic control, inspection of fiber optic installation and testing and, NYSDOT spec compliance.

Transportation Construction Inspector - PMI- MILL AND OVERLAY OF NY 263 FROM US 62 TO IVYHURST& US 62 FROM NY 5- TO NY 263; TOWN OF AMHERST; NYSDOT – D262159 - The construction scope encompassed the milling and the repaving of the Asphalt pavement, adjustment and replacement of drainage structures, and striping of the two mile long stretch of road and side streets. Responsible for construction inspection; daily inspection reports; pay item measurements and record keeping; concrete testing; and work zone safety and traffic control.

Transportation Construction Inspector - ADA COMPLIANCE ON SIDEWALK RAMPS; VARIOUS LOCATIONS ON RTs 62, 950K & 324; TOWNS OF AMHERST & TONAWANDA, NYSDOT – D262160 - This project featured installation of sidewalk where there were gaps in the sidewalk system and the modification of existing curb ramps and driveway aprons to comply with the current ADA standards. Responsible for construction inspection; daily inspection reports; pay item measurements; concrete testing; work zone safety and traffic control; verification of grades

Ryan E. Matthews, NICET III

Civil/Structural Inspection

URBAN ENGINEERS
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WHY SELECTED

- **4.5+ years of professional experience**
- **NICET III, Highway Construction**
- **NYC utility and roadway construction experience**

REGISTRATIONS/ MEMBERSHIPS

- NICET Level III, Highway Construction
- NICET Level II, Highway Materials
- NICET Level I, Construction Materials Testing Concrete
- ICC Structural Masonry Special Inspection
- ACI Concrete Field Testing Technician - Grade I
- PennDOT Concrete Field Testing Technician
- NECEPT Bituminous Field Testing Technician

EDUCATION

BS, 2009, Villanova University, Civil Engineering

GC, 2012, Drexel University, Engineering Management

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Matthews created and arranged organization charts for various proposals. He also participated in the process of preparing and submitting proposals to potential projects. Visited and walked through both proposed and established work sites. Mr. Matthews' experience includes:

NYCEDC West 125th St. Streetscape Improvements, Manhattan, NY – Mr. Matthews is currently serving as Office Engineer for the West 125th street streetscape improvements project. The $19 million project involves four separate phases of construction that requires coordination with multiple Columbia University Construction projects in one of Manhattan's most intermodal neighborhoods.

Mr. Matthews has verified bid quantities with independent calculations and field measurements, confirmed existing conditions, and analyzed potential construction related issues or delays. Mr. Matthews verified field locations of vaults, hydrants, lighting poles, bridge clearances, telephone lines, roadway pavement and curb conditions, as well as truck traffic trends. Mr. Matthews analyzed the phased construction schedule and made recommendations as to alleviate potential conflicts that may arise while coordinating with other construction projects on or near the project site.

Mr. Matthews reviewed the contract drawings and specifications for bid item errors, missing details and cross sections, and prepared suggestions for clarifications to reduce RFI's for the bid process. Mr. Matthews confirmed traffic turn radii and signage placement met all AASHTO requirements through the use of engineering calculations.

Mr. Matthews evaluated all field conditions of concrete pedestrian ramps at the site's street corners by field measuring and examining their compliance with the NYCDOT Standard Specifications, the accessibility guidelines proposed by the ADAAG and the AASHTO code (Green Book). The locations that did not meet specifications were noted and advised for reconstruction.

Mr. Matthews located and analyzed all locations of Building Vaults within the project limits to ensure the drawings confirmed the location of building vaults to reduce the possibility of damaging them during demolition. Mr. Matthews performed engineering calculations to confirm that the weight and location of the projected construction equipment and materials installed or maneuvering over building vaults would not damage or displace the structures. I located areas of concern and recommended that the contractor submit shop drawings and supporting calculations for review of projected work within these areas.

NYCEDC South Bronx Greenway Program, Food Center Drive Construction of Green Street, Hunts Point, Bronx NY - Mr. Matthews has performed daily project administration and coordination of project stakeholders involved in an infrastructure project entailing reconstruction of a four block city street located in the Hunts Point district of Bronx, NY. Project included construction of water main, sewers, curb, and drainage structures, installation of new and relocation of existing utilities, excavations and excavation support system, and steel reinforcement placement. Project also included concrete placement and testing, maintenance and protection of traffic and utilities, coordination of work with numerous stakeholders, and overall site safety.

Mr. Matthews' responsibilities have included processing RFIs, submittals, and monthly progress payments, maintaining as-built drawings and project records which include daily inspection reports, material conformance and testing reports. Mr. Matthews' responsibilities have also included reviewing certified payrolls and extra work bills for compliance with prevailing wage rates and allowable equipment rental rates, coordinating and scheduling material testing and surveying services, preparing weekly, monthly and special reports, and generating correspondence.

Mr. Matthews has also performed cost and schedule monitoring and reporting as well as assisting the resident engineer with claims mitigation and dispute resolution, identification and tracking of potential change orders and preparation and tracking of contract modifications; punch list compilation and project closeout activities. 6/2013-Present

SR 202, Sec 320 Widening Project, PennDOT District 6-0, Malvern, PA (E02201) (Urban# 2011600107.001) - Mr. Matthews inspected the installation of Sound Wall Barrier. This included the auguring of caissons up to 23' in depth, the inspection and placement of the rebar cages, the placement of concrete via the tremie method, the forming of the foundations with anchor bolts, and the installation of both posts and panels. Includes coordinating and scheduling of material testing.

Mr. Matthews is the lead inspector of the extensive ITS section of the project. Mr. Matthews inspected the installation of junction boxes and controller cabinet pads along with the excavation of Type I trench and the installation of PVC and rigid conduit.

Mr. Matthews also inspected the installation of 35' DA poles and TR cabinets and pedestals. This included the installation of transformers, disconnect switches, the corresponding wiring and the Stand Alone Test.

Mr. Matthews inspected the partial demolition and construction of a Dual Simple Span P/S Concrete Box Beam Bridge. This included the inspection of the forming and pouring of cheek walls, and diaphragms, the placement of beams and deck pans, and the forming and pouring of the deck, approach & moment slabs, pavement relief joint and the glare screen and concrete barrier.

Mr. Matthews inspected the installation of Mechanically Stablized Earth retaining wall. This included the setting of panels, the forming and pouring of the cast-in-place headwall and the coping as well as the installation of the precast traffic barrier.

Mr. Matthews inspected the installation of inlets with RCP ranging from 18" to 33" along with Class 3 & 4 excavation and boxing out.

Mr. Matthews also inspected the installation of 144 Strand and 12 Strand Fiber Optic Cable. 8/2011-6/2013

SR 9410, Sec TF3, Traffic Signal Improvements at 33 Intersections, PennDOT, District 6-0, Bridgeport, PA - Mr. Matthews inspected curb and sidewalk removal and installation, which included Class 1B excavation, the placement and grading of 2A subbase, and the pouring of the curb and sidewalk to include the ADA ramps. Measured total area of completed sidewalk for payment and the grade for Ramp Inspection Form. Mr. Matthews inspected installation of push buttons and c-posts. This included the excavation up to 6' in depth, the inspection and placement of the rebar cages, and the forming of the foundations. Mr. Matthews also inspected Type I trench, the installation of 2" and 3" PVC conduit and the installation of junction boxes. Inspected the installation of 30' traffic support with 10' mast arms and luminaries. Mr. Matthews inspected the installation of 9.5 mm top coat for asphalt restoration. 5/2011-8/2011

SR 95, Sec. ITB/ITF, Traffic Incident Management Project, PennDOT, District 6-0, Levittown & Newton, PA - Mr. Matthews inspected various aspects of the project, including installation of DMS and TR foundations. This included auguring of caissons up to 16' in depth, inspection and placement of rebar cages, and forming of the foundations. Mr. Matthews also inspected installation of junction boxes and controller cabinet pads, along with excavation of Type I trench and installation of PVC conduit. 5/2010-5/2011

SR 95, Sec CP1, Cottman-Princeton Interchange, PennDOT, District 6-0, Philadelphia, PA - Mr. Matthews inspected various aspects of the project including the installation of inlet connections. This included Class 4 excavation, the installation of saddle connections and R/C pipe, the removal of abandoned inlets and the placement of HES concrete for pavement restoration. Mr. Matthews also inspected curb and sidewalk removal and installation, which included Class 1B excavation, the placement and grading of 2A subbase, and the pouring of the curb and sidewalk to include the ADA ramps. Mr. Matthews also inspected an extensive amount of electrical construction that included Type I, II, and III trench excavation for placement of 1", 2", and 3" PVC conduit, installation of luminaries with 6' bracket arms, and the installation of C-posts with signals and PEDs. Also inspected the installation of foundations for mast arms ranging from 15' to 50', foundations for controller cabinets, installation of video detector, fiber optic termination panels and CCTV Camera Assembly with the Stand Alone Test. 7/2009-3/2010

Manish Patel
Project Engineer / Inspector

EDUCATION

B. S. Civil from Sardar Patel University, Vidhyanagar India. January, 1991

PROFESSIONAL REGISTRATIONS

ACI Concrete Field Testing Technician Grade
ACI Concrete Construction Special Inspector
NJSAT Asphalt Paving Construction Technologist
OSHA-10 Hour Construction Safety and Health Training
Nuclear Gauge Safety Certification
Hazmat Certification
ICC Structural Steel Bolting Inspector

EXPERIENCE SUMMARY

Mr. Manish Patel has more than 22 years of experience in the civil and structural construction field, and has an In-depth understanding of construction practices and methodologies. He has proven skills in managing a team, and has implemented and maintained QA/QC standards in accordance with contract documents. He has prepared punch-lists and implementation follow up.

REPRESENTATIVE PROJECTS

NYCEDC, Green Infrastructure, Newtown Creek, Brooklyn, NY: Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of soil boring and permeability tests.

Replacement of Bridge EH-1, Atlantic City, NJ: Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of soil boring tests, soil sampling, soil classification, and installation of observation wells.

Metropolitan Transportation Authority (MTA), 55th Street Ventilation Facility, New York, NY: Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stages of tunnel for concrete, shotcrete and rebar installation.

MTA, Pelham Line, Bronx, NY: Project Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stages of concrete and rebar installation.

NYC Economic Development Corporation, Rockaway Boardwalk Evaluation, Queens, NY: Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of Pile driving analysis, Pile integrate tests.

MTA Long Island Railroad, Massapequa Park Track Replacement, NY: Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements.

Conducted inspections of various stage of concrete and rebar inspection, anchor installation, testing anchor for pull tests and torque tests.

66th - 73rd Concrete/Rebar Inspection, New York, NY: Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Conducted inspections of various stage of buildings being constructed to include concrete, rebar, soil, etc. for various projects.

Los Angeles Swaminarayan Temple: Project Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing quality assurance plan requirements. Additional activities included Master Planning, Designing, Development of Buildings, Infrastructure, Landscaping and Project Management, Supervision and Monitoring of the work for New Constructions and Infrastructure work on campus

Medical College at Gandhinagar, India: Senior Construction Manager at Frishmann Prabhu (India) Pvt. Ltd. The work included Master Planning, Designing, Development of Buildings, Infrastructure, Landscaping and Project Management, Supervision and Monitoring of New Construction and Infrastructure projects on campus. Accordingly, a complex of extended hospital facilities and a new medical college for 185 students and associated infrastructure work was recommended for the existing hospital campus. The college and extended medical facilities covers a total built-up area of 0.8 million square meters. Additional facilities included a new college building, addition of a 600 bed ward block to augment existing capacity of 300 beds, hostel facility for students and interns, residential quarters for teaching faculty, and an auditorium.

Assembly Hall at Rajkot, India: Project Engineer for assembly hall within the Swaminarayan Temple at Rajkot. He was involved in planning, designing, scheduling, estimating and day to day monitoring of the project. Project included a 120 foot span space frame with central air cooling and acoustical treatment.

Assembly Hall at Jamnagar, India: Project Engineer for assembly hall within Swaminarayan Temple at Jamnagar. He was involved in planning, designing, scheduling, estimating, and day-to-day monitoring of the project. Project included a 90 foot span, multi-story framework with central air cooling and acoustical treatment.

Kutchh, India: Project Engineer responsible for performing engineering inspections, testing and evaluations for construction activities and implementing Quality Assurance Plan requirements. He conducted inspections of various stages of soil boring tests, permeability tests, soil sampling, and soil classification for various projects during post-earth quake. Project Engineer during resettlement of 8 villages and 45 schools affected by post-earthquake at Kutch area in 2001. All villages were resettled with amenities that included water tanks, primary schools, Anganwadi, mid-day meal halls, community halls, Panchayat Ghar, village road and Gate, Street lights, and plantations.

Assembly Hall at Anand, India: Project Engineer for assembly hall within the Swaminarayan Temple at Anand. He was involved in planning, designing, scheduling, estimating, and day-to-day monitoring of the project. Project included a 60 foot span, multi-story framework with central air cooling and acoustical treatment.

Terence Hampton, E.I.T.
Senior Staff Engineer / Inspector

EDUCATION
Rutgers University, College of Engineering: B.S. in Civil Engineering

PROFESSIONAL REGISTRATION
Engineer In Training: New Jersey

EXPERIENCE SUMMARY
Mr. Hampton is a Senior Staff Engineer with 5 years of experience in Civil Engineering projects, including concrete and rebar, soil and groundwater sampling, analyses and evaluation, subsurface investigation, bidding and estimating. He has provided Quality Assurance oversight on both public and private projects, and has experience with environmental compliance in the construction/demolition industry. While a laboratory technician for Rutgers University, he worked on several high profile projects including asphalt recipe testing for JFK Airport and The White House; foundation masonry tests for One World Trade Center; and on-site concrete testing for a new water filtration facility in the Bronx.

LABORATORY TEST SKILLS
ASTM D6752; AASHTO T27, T84, T85, T166, T209, T269, T304; Hot mix asphalt; aggregate angularity impact on pavement wearing characteristics; and sample compaction testing

PROFESSIONAL CERTIFICATIONS
OSHA 40-hr HAZWOPER; OSHA 10-hr Construction Safety
ACI Concrete Construction Technology; ACI Concrete Field Testing Technician Grade 1; ACI Concrete Construction Special Inspector
MTA LIRR Track Training; MTA NYCT Track Training; Amtrak Training

REPRESENTATIVE PROJECTS
Metropolitan Transportation Authority (MTA), East Side Access/LIRR Harold Structures, Queens, NY: Performed construction special inspections to check rebar, form work, and concrete placement (including slump, air content, and temperature and prepared cylinders. Prepared the daily and monthly field inspection reports.

MTA, 86th Street and 2nd Ave. Subway project, New York, NY, NY: ACI Concrete Construction Special Inspector, inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Collected concrete sample for compressive strength testing. Prepared the daily field inspection reports.

MTA, Pelham Line – Five Stations: Mr. Hampton was a field inspector for MTA Pelham line five stations project. His responsibilities include concrete field concrete testing; rebar inspection, and preparation of reports for Castle Hill and Middle Town station.

MTA, 55th Street Ventilation Facility, New York, NY: Mr. Hampton has performed concrete field tests, where he checked concrete air content, density, temperature, and slump. He prepared daily field reports, under direct supervision of project professional engineer and ACI level II certified personnel.

NYC Department of Design and Construction, Newtown Creek Green Infrastructure Bioswales – Yellow Area: Responsible for onsite field investigation for the geotechnical project work to develop subsurface information for construction of Right of Way Bioswales (ROWB) and Stormwater Greenstreets (SGS) in Brooklyn, New York. Geotechnical work included performing subsurface investigation for soil characterization and permeability tests.

MTA, 2nd Avenue Subway, 72nd Street Station Cavern Project, NY, NY: Acting as an Environmental Engineer, supported Resident Engineers with environmental monitoring and

inspection of special equipment. Performed data collection for air and noise baseline monitoring, downloaded data directly from equipment as well as remotely through computer software, reviewed data, and submitted weekly and monthly reports.

MTA, 2nd Avenue Subway, 63rd Street Station Cavern Project, NY, NY: Acting as an Environmental Engineer, supported Resident Engineers with environmental monitoring and inspection of special equipment. Performed data collection for air and noise baseline monitoring, downloaded data directly from equipment as well as remotely through computer software, reviewed data, and submitted weekly and monthly reports.

MTA, Long Island Railroad, Massapequa Park Viaduct: Inspector overseeing installation and testing of permanent anchor inserts for direct fix rail fasteners, which involves epoxy installation inspection, anchor pull-out testing with hydraulic jack, anchor torque testing, and rail fastener torque verification. Also conducted Quality Assurance for inspection team.

New York City Economic Development Corporation, High Bridge Rehabilitation Project, Bronx, NY: Responsible for implementation of soil sampling pursuant to the Material Handling Plan, Field Vapor Monitoring Plan, and Soil Sampling Plan during excavation operations as part of the rehabilitation project for the bridge.

New Jersey Department of Transportation, I-295 / Route 42 / I-76 Direct Connector, Bellmawr, NJ: Environmental Engineer involved with preliminary site preparations for the improvement of the interchange and construction of two missing traffic movements. Responsibilities include soil sampling from test pit excavations for waste characterization pursuant to the requirements of the disposal facility, identifying and classifying soil, coordination with laboratory for sample analysis, and preparation of sampling reports.

New Jersey Turnpike Authority, Interchange 14A Improvements, Jersey City / Bayonne, NJ: Geotechnical and Environmental Engineer. Geotechnical work included performing subsurface investigations; and soil sampling, identifying and classifying soil using modified Burmister system; installation of monitoring wells, cross-hole seismic borings, borehole permeability testing, and percolation testing. Environmental work included identifying, classifying and disposal of contaminated soil encountered during the subsurface investigation.

NYC Department of Environmental Protection, BT-1 Contract, Rondout West Bypass Tunnel, SHAFT 5B AND 6B, Delaware Aqueduct, Dutchess County, NY: Environmental Engineer involved with environmental noise monitoring investigations to determine baseline ambient noise levels prior to construction phase, determining location of noise monitoring devices, installing devices in the field, and collecting monitoring data.

National Waste & Recycling Services, LLC, Hamilton, NJ: Engineer/Estimator responsible for supervising subcontractors performing take-down and selective demolition of buildings for replacement construction; project planning and budget calculations for demolition operations; coordinated transportation and disposal of demolition materials to selected landfills; obtained excavation permits for digging near utilities and other infrastructure; administered accounts payable and resolved payroll issues with union contractors.

Rutgers University Asphalt Pavement and Civil Engineering Laboratories, Piscataway, NJ: Undergraduate Laboratory Technician assisting with streamlining data collection by introducing automated, web-based data sheets. Projects included: researching the impact of aggregate angularity on pavement wearing characteristics; the study of creep modeling and high-performance concrete recipes; asphalt testing for JFK Airport and The White House; foundation masonry tests for One World Trade Center, replacing New York's Twin Towers; and on-site concrete testing for a water filtration facility in Bronx, New York.

Rumit Pandya
Staff Engineer / Inspector

EDUCATION
New Jersey Institute of Technology: M.S. Environmental Science

CERTIFICATIONS
ACI-I & II Certification, ACI Concrete Construction Special Inspector
NJSAT, CWI (August 2012)
40 Hour HAZWOPER 29 CFR 1910.120 (e); 30 Hour OSHA Construction Health and Safety Supervisor; 10 HOUR OSHA-Construction. Confined Space, Lead Evaluator and Risk Assessor
MTA NYCT Track Training

EXPERIENCE SUMMARY
Mr. Pandya has over 5 years of experience in construction, geotechnical and environmental services. He has served as on-site engineer providing construction oversight for the installation of auger cast piles, sheet piles, soldier piles and lagging; tieback installation, including grout tests, installation of dowels, rock anchors; proof and performance tests to verify pull strength, and reporting. He has performed inspections to verify footing subgrade, placement of rebar, forms and concrete placement for foundation elements, and torque tests for structural steel bolts and anchors. He has performed Pre- and Post-construction surveys of existing buildings, installed geotechnical instrumentation including inclinometers, deflection monitors (crack and strain gauges), and vibration monitoring. He has developed and performed air and gas monitoring for remediation projects, as well as Community Air Monitoring Plans, and evaluated data collected and prepared reports. He has used field equipment for air monitoring such as Minirae-2000, Multirae Plus (LEL, H_2S, NO, CO, VOC, Oxygen, etc.), DustTrak 8520-Aerosol Monitor, PDR 100, and ADR1200 to measure particulates.

REPRESENTATIVE PROJECTS
Port Authority of NY & NJ, World Trade Center Transportation Hub, Manhattan, NY: Responsible for soil characterization for presence of contamination and disposal for WTC Transportation Hub PATH Hall construction. He reviewed project plans for compliance with project specifications; collected grab samples from test pits and composite samples from stock piles; analyzed samples in the lab for different parameters and compared the results with current NYCDEC soil guidance values and assessed whether it was contaminated.

Metropolitan Transportation Authority (MTA), 7 Line Extension Site L, New York, NY: As a Field Engineer performed pull tests tie-backs to verify compliance with the project specifications. Inspected placement of concrete, rebar, performed slump, air content tests in the field, inspected concrete batch plant verifying concrete mix prepared meets project specifications including fine and coarse aggregate.

MTA Long Island Rail Road, East Side Access Madison Yard Project, New York, NY: Performed construction inspections to verify subgrade soil and rock quality and compaction of backfill material; provided structural inspection including welding and bolt tests; checked rebar, form work, and concrete placement (including slump, air content, and temperature and prepared cylinders); checked installation of dowels into rock, grout placement, and tested grouting material. Reviewed strength test results and prepared reports to meet NYSDOB special testing requirements.

MTA, Second Avenue Subway 86th Street Station, Manhattan, NY: Performed Pre-construction condition surveys of buildings, including taking photographs and video to document existing conditions prior to the commencement of construction activities, and assisted with preparation of reports. Installed crack gauges to monitor existing cracks and seismographs to monitor vibrations. Performed baseline air monitoring to document existing particulate, VOC, NO and SO_2 levels; and prepared Air Monitoring Reports.

Courtlandt Corners Remediation Project, Bronx, NY: Construction inspection services, including supervision of soil borings and collection of rock cores; oversight of installation of monitoring wells, supervision of auger-cast H-pile installation, grouting of H-piles, oversight of excavation, and installation of timber lagging between soldier piles; dewatering; supervision of grouting tiebacks and tieback proof and performance testing; verification of subgrade and rock quality prior to placement of floor slabs; rebar and form work for footings of an 11-story building; and inspection of concrete slump tests, making cylinders and determining air content to confirm that footings are constructed as per project specifications. Provided structural inspection of welding and bolt tests.

NYC Department of Environmental Protection (NYCDEP), Pleasantville Alum Plant: Oversight of borings for installation of new caustic soda tank; collection of soil samples for geotechnical evaluation; provided assistance with geotechnical analysis and Foundation Recommendation Report.

NYCDEP, Oak Wood Beach WPCP, NY: Oversight of borings at waste water treatment facility for new shower trailer and office trailer; collection of soil samples for analytical testing and geotechnical evaluation; review of analytical test results to evaluate whether the material was contaminated; and provided assistance with geotechnical analysis and foundation design. Reviewed analytical test reports, and identification of options for the disposal of excavated material.

BICC Cable Site, Yonkers, NY: Performed oversight of installation of sheeting for excavation of PCB and lead contaminated soils on former BICC cable site adjacent to the Hudson River. As part of adherence to the Storm Water Pollution Prevention Plan (SWPPP), performed weekly inspections of excavated material storage stock piles to verify that containment structures, drainage and other control measures were effective and submitted report to NYSDEC.

Consolidated Edison, Pelham Former MGP Site, Pelham Manor, NY: Responsible for oversight of soil borings and collection of rock cores to identify depth and quality of rock to design sheet pile wall and tie-back system; supervision of subgrade for canopy foundation, rebar, concrete placement and anchors; performed slump test, made cylinders and checked for air content of concrete.

New Meadowlands Stadium Project, East Rutherford, NJ: Provided technical assistance with air monitoring during excavation and within confined spaces; used field screening equipment for air monitoring (using Minirae-2000 for VO; MultiRae Plus for LEL, Toxic gas, CO and Oxygen; Dust Trak 8520 for dust level) during the construction activity; downloaded data from the instrument using appropriate Software and provided daily reports to General Contractor. Also performed work as a Health and Safety inspector and assisted contractor Health and Safety Officer.

Vikas Patel, E.I.T.

Senior Staff Engineer / Inspector

EDUCATION

M. S., 2010, Structural and Geotechnical Engineering, Cleveland State University
B. S., 2007, Civil Engineering, Gujarat University

PROFESSIONAL REGISTRATIONS

Engineer in Training (EIT)
ACI Concrete Construction Special Inspector, ACI Concrete Field Testing Technician Grade I, ACI Concrete Construction Technology certificate
ICC Structural Steel and Bolting Special Inspector, ICC Structural Masonry Special Inspector, ICC Fireproofing Inspector, HILTI FireStopping Training
OSHA 10 Hour Construction Safety and Health Training
MTA NYCT and LIRR Track Safety Certifications, Amtrak Safety Training
NICET Level I – Asphalt, Highway Construction, NICET Level II – Concrete, Soil
NYS DEC Erosion and Sedimentation Control Training
NJSAT Asphalt Paving Construction Technologist
Rutgers Traffic Control Coordinator, Work Zone Traffic Control Supervisor (Ohio)
AWS Certified Associate Welding Inspector
NJDOB Special Inspector – Concrete Placement, Reinforced Concrete, Structural Masonry

EXPERIENCE SUMMARY

Mr. Patel has over four years of engineering experience, including concrete, rebar, masonry, firestop, soil compaction, asphalt and steel field inspections, and geotechnical instrumentation, as well as bidding, estimating and designing. He has excellent skills in AutoCAD 2009, STAAD Pro 2007, ArcGIS and SAP 2000.

REPRESENTATIVE PROJECTS

Metropolitan Transportation Authority (MTA), East Side Access / LIRR Harold Structures, Queens, NY: ACI Concrete Construction Special Inspector, inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying meets project specifications including fine and coarse aggregate. Performed soil subgrade and fill inspections and tests using sand cone, electrical density gage and nuclear density gauge. Collected concrete samples for compressive strength testing. Prepared daily and monthly field inspection reports.

MetroNorth Embankment Stabilization at Milepost 43.8, Peekskill, NY: Instrumentation Engineer involved in installation of geotechnical instrumentation, including in-place inclinometers, settlement monitoring points and solar panels for solar energy. Responsibilities included performing maintenance on installed geotechnical instruments, preparing weekly reports for client, and maintaining real-time monitoring ARGUS software.

MTA, South Ferry Repair and Resiliency Design, New York, NY: Performed field inspection on the station and adjacent tunnel section to document existing leaks; documented findings and prepared field inspection reports. Assisted in monitoring progress of test program for grouting of leaks; recorded numbers of holes were drilled including length and diameter of the holes, hole cleaning process, total quantity of water injected during water test and its findings, total quantity of grout injected on wall and tunnel section, prepared daily field inspection reports to document activities and progress.

NYC Economic Development Corporation, Rockaway Boardwalk Pile Evaluation, NY: Geotechnical Engineer for field investigations and evaluation of existing boardwalk piles damaged by Super Storm Sandy. Monitored driving of new piles and evaluated capacities

using PDA and CAPWAP analyses. Prepared Field Investigation Summary Report, and recommendations for the reconstruction of new boardwalk.

MTA Capital Construction, 7 Line Extension Sites K and L, New York, NY: As an ACI Concrete Construction Special Inspector and ACI Concrete Field Inspector, inspected placement of concrete and rebar; performed slump, air content, unit weight and temperature tests; inspected concrete mixed at batch plant verifying compliance with project specifications, including fine and coarse aggregate; performed soil subgrade and fill inspections and tests using sand cone and electrical density gage; performed firestopping, masonry, and structural steel inspections; collected mortar, grout and concrete samples for compressive strength testing; and prepared daily and monthly field inspection reports.

Hunts Point Avenue Subway Station, Bronx, NY: Performed construction Special Inspections to check rebar, form work, and concrete placement, including slump, air content, temperature, and prepared cylinders. Performed steel inspection to verify compliance with project specifications. Prepared daily and monthly field inspection reports.

MTA, Five Stations Renewal, Bronx, NY: Performed construction Special Inspections to check rebar, form work, and concrete placement (including slump, air content, and temperature and prepared cylinders). Conducted steel inspection to verify compliance with project specifications. Prepared daily and monthly field inspection reports.

BICC Cable, Yonkers, NY: ACI Concrete Field Inspector. Performed slump, air content, unit weight and temperature tests to ensure concrete complied with contract specifications.

MTA, 86th Street Station, Manhattan, NY: ACI Concrete Construction Special Inspector, inspected placement of concrete and rebar; performed slump, air content tests in the field; inspected concrete mixed at site verifying compliance with project specifications, including fine and coarse aggregate. Collected mortar, grout and concrete samples for compressive strength testing. Prepared daily and monthly field inspection reports.

Belt Parkway over the Fresh Creek Basin and Rockaway Parkway, Brooklyn, NY: As a Geotechnical Engineer for the widening/improvement projects of two Belt Parkway bridges, which included, replacing the bridges carrying the Belt Parkway over the Fresh Creek Basing, and Rockaway Parkway; and widening the roadway. Geotechnical work included Installation of piezometers, geophones, tilt meters, survey prisms, and automated remote monitoring systems. Preparation of the daily and weekly monitoring reports for settlement plates, vibration, tilt meter and displacement.

MTA LIRR, Massapequa Park Viaduct, Massapequa Park, NY: Lead Inspector/QA Designee for the replacement of rail fasteners project in Massapequa Park, involved in the inspection of holes and epoxy mix prior to placement of inserts for anchor insert installation. Additionally, conducted pull tests and torque tests on inserts, and inspected production bolts for the correct torque. Also responsible for overall quality assurance for the project, field coordination and management of the field inspection crew.

MTA, East Side Access / LIRR Ventilation Shaft Building at East 55th Street, Manhattan, NY: ACI Concrete Construction Special Inspector, inspected placement of concrete and rebar; performed slump, air content tests; inspected concrete mixed at site verifying compliance with project specifications, including fine and coarse aggregate; performed soil subgrade and fill inspections and tests using sand cone and electrical density gage; performed firestopping, masonry, and structural steel (High Strength Bolts and Welding) inspections; collected mortar, grout and concrete samples for compressive strength testing; and prepared daily and monthly field inspection reports.

STRUCTURAL INSPECTOR
JAMES A. YHAP, N-IV

CREDENTIALS/REGISTRATION

NEW YORK CITY TECHNICAL COLLEGE – BROOKLYN, NY.
1998-1999
CURRICULUM: CIVIL ENGINEERING

PROFESSIONAL AFFILIATIONS

ICC CERTIFIED BOLTING INSPECTOR
ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR
MEMBER, AMERICAN WELDING SOCIETY

YEARS OF EXPERIENCE

23 YEARS

MISCELLANEOUS

11/06 LEED GREEN BUILDING RATING SYSTEMS – LIRO,
08/06 MICROSOFT WORD 2000 – YMCA,
02/05 SAFETY PROCEDURES WHEN WORKING ON METRO-NORTH PROPERTY, MTA,
11/03 FIELD FIXES - SOLUTIONS AND PREVENTIONS – AISC,
08/03 FUNDAMENTALS OF POST-TENSIONED FOUNDATIONS – PTI,
06/03 SOFTWARE APPLICATION (MS WORD AND EXCEL) – QEOC,
03/02 WELDING DESIGN ISSUES SEMINAR – SINY,
08/01 THE REVISED RCSC SPECIFICATION – AISC
10/99 FUNDAMENTALS OF FASTENING TECHNOLOGY AND BOLTED JOINT DESIGN – CLEMSON UNIVERSITY
10/97 CONCRETE REPAIR BASICS – ACI,
04/97 STRUCTURAL WELDING AND SPECIFICATIONS – SSTC,
11/96 CONCRETE FIELD TESTING TECHNICIAN – ACI,
05/96 SAFETY TRAINING COURSE (CSG- 101) – AMTRAK,
05/95 SURVEYING I – IDC,
LEVEL IV – NICET
04/92 INSPECTION OF PORTLAND CEMENT CONCRETE COURSE – NYCDOT,
10/90 QUALITY REQUIREMENTS FOR STEEL STRUCTURES – SSTC,
03/90 BRIDGE INSPECTIONS, EVALUATION AND REHABILITATION – ASCE,
11/88 METHODS OF BRIDGE INSPECTION – NYSDOT

TECHNICAL SUMMARY

Mr. James A. Yhap NICET IV has more than 22 years of Experience in the field of Construction management, Inspection and supervision. His professional experience includes: reconstruction and rehabilitation of treatment Plant, road and bridges, buildings, upgrading drainage systems, construction of pipes, steel erection, deck construction, and demolition. He gained this experience with **NYCDEP,** NYSDOT and other agencies. He has supervised Contractor's work in accordance with Construction Plans and Specifications. Prepared Inspector's Daily Report kept track of Pay Items, Performed Slump and Air-Entrainment Tests to check the consistency of the Concrete. Following are the projects he has worked on:

PROFESSIONAL EXPERIENCE

Construction Inspector - Haider Engineering P.C. June 2013 Ongoing: ConnDOT CSO 2183, Project No. 0172-0412 & 0172-0413 for Construction Engineering and Inspection Services (Road, Bridge, Aviation) Pavement Marking. This project consists of installation of Epoxy Resin Pavement Markings on Interstate Routes in the same locations as the existing epoxy resin pavement markings, except when indicated otherwise in the contract documents or by the Engineer in Various Towns in District 2. The new pavement markings to be installed will differ from the existing pavement markings, per the contract plans for the updated pavement markings. As an inspector, his assignment is to inspect all contractors work and ensure conformity with the ConnDOT's plans and specification for the duration of the project. Some of his assignment also includes maintenance and protection of traffic during project activities. All records are been kept in accordance with the Manual of Uniform Record Keeping (MURK). **Contact Person: Mr. John Dunn, Project Engineer, ConnDOT. Tel: (860)823-3262**

12/08-2/13: Chief Inspector Construction Contract NC-CM03, New Town Creek CM Services (NYCDEP)
Contract: NC-CM03, PIN: 82607WP01081: NC-CM03 provides for Construction Management Services in connection with Construction Contracts NC-41 (G, E, H,.P), NC-43, NC-47 (G, E, H, P), NC-48, NC-50 and NC-51 (G, E, H, P). The construction management services performed on this contract is divided into the following Tasks:
Task 1 - Project Management.
Task 2 - Resident Engineering Inspection.
Task 3 – Project Operation Services Task 4 - Subcontracted Expert Services and Other Direct Costs.
Task 5 – Supplemental Services
Example of one of the projects:
Contract NC-47
NC-47 South Battery Reconstruction and South Control Building.

This reconstruction involves the demolition of block walls installed in the tanks under the interim upgrade to simulate step feed flow and demolition of tank

walls where the new detritor grit facilities and a new common channel upstream of the aeration tanks will be constructed. The complete replacement of tank equipment, piping and auxiliary systems is included in the reconstruction. The existing South Control Building was originally slated for demolition, including construction of a completely new South Control Building.
Contact Person: Claude Oriol, Project Engineer NYCDEP Phone# (718) 707-4105

02/05-Senior Inspector: **NYCDOT**: Rehabilitation inspection of the Brooklyn Tower Esplanade of the Brooklyn Bridge spanning the East River between the boroughs of Manhattan and Brooklyn, NY. NYCDOT: Rehabilitation inspection of the Gun Hill Road Bridge over Metro-North Railroad in Bronx, NY.

05/02-02/05 Senior Inspector: **NYCDOT**: Rehabilitation inspection of the Cross Bay Boulevard Bridge over Conduit Boulevard in Queens, NY. NYCDOT: Rehabilitation inspection of the Guy R. Brewer Boulevard Bridge over Belt System-Southern Parkway in Queens, NY.

09/96-05/02 Senior Inspector / Inspector: **NYCDOT**: Reconstruction inspection of the Flatbush Avenue Bridge over Belt Parkway in Brooklyn, NY. NYSDOT: Construction inspection of asphalt concrete, milling, and resurfacing on various routes in Westchester, **NY. NYSDOT**: Construction inspection of asphalt concrete, milling, and resurfacing on various routes in Putnam and Dutchess, NY. NYSDOT: construction inspection of sign structure installation on the Major Deegan Expressway in Bronx, NY. NYSDOT: Construction inspection of sign structure installation on I-295, I-695 and 907F in Bronx, NY. NJHA: Construction inspection of the Garden State Parkway Bridge repair in Monmouth County, NJ. MISC: Topographic surveying of several projects in NY and NJ. NYSDOT: Construction inspection of guide rail, overhead signs and landscaping improvements on Routes I-278 and 440 in Staten Island, NY. NYCDOT: Reconstruction inspection of the Melrose Avenue viaduct over Conrail in Bronx, NY.

03/93-09/96 Senior Inspector / Inspector: **TBTA**: Main cable inspection of the Verrazano-Narrows Bridge spanning the Narrows between the boroughs of Brooklyn and Staten Island, NY. NYSDOT: Biennial inspection of bridges, including the 176-span Bruckner Expressway viaduct and the 72- span Major Deegan Expressway viaduct in Bronx, NY. NJDOT: Construction inspection of highway lighting Routes 440 and 287 in Middlesex, NJ. NJDOT: Construction inspection of milling, resurfacing, and shoulder reconstruction of Route 27 in Middlesex, NJ. NYCDOT: Bridge component rehabilitation inspection of the145th Street Bridge (Swing Bridge) over Harlem River in Bronx, NY. NYSDOT: Semiannual inspection of the Gowanus Expressway viaduct in Brooklyn, NY. NJDOT: Construction inspection of Route 9 resurfacing and median guide rails in Middlesex, NJ.

06/85-03/93 Inspector: **FDC: Construction inspection of the canopy at Faith Mission Alcoholism Crisis Center in Queens, NY.** Inspector: PANY & NJ: Report writing for biennial inspection of three bridges at LaGuardia Airport in Queens, NY. NBBJ: Exterior wall inspection of the New York Downtown Hospital in Manhattan, NY. TBTA: Biennial inspection of the Throgs Neck Bridge spanning the East River between the boroughs of Queens and Bronx, NY.
NYCDOT: Construction inspection of resurfacing of pedestrian ramps, sidewalks and curbs in Queens, NY. NYCDOT: In-depth inspection of the Flatbush Avenue Bridge over Belt Parkway in Brooklyn, NY. NYCDOT: In-depth inspection of Route 209 Bridge (single-span steel pony truss) over Vernooy Kill Creek in Ulster County, NY. NYCDOT: In-depth inspection of the Cropsey Avenue Bridge (double-leafed bascule) over Coney Island Creek and Bank Street viaduct over an abandoned railroad in Brooklyn, NY. NYSDOT: Biennial inspection of the Long Island bridges in Nassau/Suffolk Counties, NY. NYSDOT: Biennial inspection of the bridges in the Bronx, Manhattan, and Staten Island, NY. NYCDOT: In-depth inspection of the Brooklyn Queens Expressway viaduct in Brooklyn, NY. HINES: Local Law 10 inspection of 885 Third Avenue in New York, NY. PANY &NJ: Final report for structural integrity inspection of buildings and hangers of JFK International Airport. MISC: Technical support in Shop Drawing Department.
MISC: Computer Aided Drafting of steel and concrete multi-story buildings using GDS in CAD Department.

STRUCTURAL INSPECTOR
EMAD QADI

CREDENTIALS/REGISTRATION

MOSCOW UNIVERSITY MOSCOW, USSR
GRADUATE COURSES AT NJIT, 1992.
MASTERS OF SCIENCE IN CIVIL ENGINEERING.
SETON HALL UNIVERSITY – MASTERS PROGRAM – DIPLOMACY AND INTERNATIONAL RELATIONS REGARDING ENVIRONMENTAL ISSUES

PROFESSIONAL AFFILIATIONS

ACI CERTIFIED SPECIAL INSPECTOR

YEARS OF EXPERIENCE

19 YEARS

MISCELLANEOUS

OSHA, METRO-NORTH AND BRIDGE PAINT SAFETY COURSES.
HAZARDOUS WASTE REMOVAL AND DISPOSAL, INTERESTS
STRUCTURAL STEEL AND BOLTING SPECIAL INSPECTOR
ACI CONCRETE CONSTRUCTION SPECIAL INSPECTOR

TECHNICAL SUMMARY

Mr. Emad Qadi is experienced in all types of Bridge construction and Repairs, Construction and Renovation, Trestles, Bridges, Commercial High-rise, Residential, School Construction and Rehabilitation, Railroad, Environmental Cleaning and heavy Civil works. Emad is also experienced in Design Reviews, Estimates Preparation, Preparing and negotiation of Change Orders, CPM schedule review and site visibility studies.

Mr. Qadi is Field Management oriented, possessing a strong grasp of computerized project management control systems, management of contracts, and the interpersonal skills required for building relationships with building occupants and owner personnel. Emad has more than 19 years experience of which 7 years as a Resident Engineer and 5 years as a Senior Construction Manager.

PROFESSIONAL EXPERIENCE

7/07 – Present
Construction Management Services During 2010, 2011 and 2012 – Newark Airport Construction Inspector Responsibilities are Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions. Check Daily contractor work and prepared daily reports.
Contact Person: Peter Rozpedowski, Resident Engineer, PA, 973-961-6110

Haider Engineering, P.C., New York Project: NY & NJ Port Authority #410-07-002, Performance of Expert Professional Construction Management Services During 2007, 2008 and 2009 – Newark Airport- Construction Inspector; Responsibilities are Responsibilities are Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions. Check Daily contractor work and prepared daily reports.
Contact Person: Peter Rozpedowski, Resident Engineer, PA, 973-961-6110

Oct. 06 – End of April 2006. Lead Project Officer New York City, NY – USA: Job totaling $30,000,000.00 work included building a new school and two level 90 feet long bridge over the highway to existing school, foundations, structural steel, Fireproofing, extensive concrete placement, plumbing, electrical, fire sprinkler, intercom system, data lines, fiber optics, security cameras, central air conditioning, roofing, emergency generator installation etc. In charge of all field operations managed 12 Engineers, 12

Subcontractors and 110 Laborers. Reviewed Schedule, Specifications, Shop Drawings and processed payment requisitions.

Mar 2005 - August 2006 MAG Construction, Dubai, UAE, Contracts Manager – Contract Assignment; 66 Story Tower in the Arabian Gulf, total cost $105 MM. Construction included a four-story day care center; Prepared BOQs (Bill of Quantities) based on Architectural Contract Drawings, Prepared, related by trade, Contract Drawings and Specifications for Bidding, Advertised/solicited Subcontractors, Conducted walk-through with potential Subcontractors, Qualified Subcontractors to perform required work, i.e. Bonding, Insurance.

Dec 2003– Mar 2005 QAD, Inc. Upper Montclair, NJ Chief Engineer – General Contractor: Constructed a 16-unit apartment building located in East Orange, NJ, Designed and constructed a 16,000 SF commercial space located in Orange, NJ, Designed and built homes, Designed financed and built residential building in Amman, Jordan, Estimated, scheduled and obtained financing for projects, Prepared Contract Drawings and wrote job specifications, Obtained zoning and building permits.

May 2001– Dec 2003 Jacobs Engineering, New York, NY : Construction Manager of nineteen Public Schools of the State of NJ Health and Safety Program at Paterson Public School System, total construction cost $700 MM; Managed six civil engineers. Reviewed Architectural Designs, structural, electromechanical, entertainment arenas, theater for three schools, worked with independent estimators, prepared phasing plan to conduct construction during School occupancy, Prepared Site Specific Health and Safety Program.
Prepared QA/QC Plans, Determined and prioritized school repairs, i.e. meeting fire code requirements/safety regulations, eterias, HAVC, etc, Advertised for job biddings.

Oct 1996- May 2001 Jacobs Engineering RE/Construction Manager; Extensive Steel/Concrete Repairs at Bayonne and Outer bridge Crossing (The Port Authority of NY and NJ – Client). Brooklyn Polytechnic (Assistant RE): Construction of Dormitory, Stadium and Cafeteria. In Charge of Contract Specifications, Estimates and Design Review and 24Hrs/3 Shift Field Operations, Work Totaling $115 MM.

David M. Price, PE, LEED® AP

Senior Electrical Engineer

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

- **20 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer PA
- Professional Engineer NJ
- Professional Engineer MD
- LEED® AP
- Institute of Electrical and Electronics Engineers (IEEE)

EDUCATION

BS, 1994, Drexel University, Electrical Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Price has extensive experience in the consulting engineering industry. He is skilled in the management of multi-discipline projects. These projects often required close interaction with disciplines outside of MEP, including architects, planners, contractors, and other sub-consultants. Projects are often performed across a number of sectors such as transportation (highways and airports), federal, education, hospitality, entertainment, and commercial. Professional experience includes medium and low-voltage distribution, communications infrastructure, Intelligent Transportation, fire alarm, security, CCTV, paging, mass notification, and photovoltaic. Mr. Price's experience includes:

TRANSPORTATION

New Jersey Turnpike Authority (NJTA), Garden State Parkway South Maintenance Facility Rehabilitation, Statewide, NJ - Senior Electrical Engineer for 20 new and renovated vehicle maintenance buildings, administration buildings, as well as salt and material storage facilities in five (5) maintenance district yards. Construction cost is $75 million.

US Airways, Express Hangar, Philadelphia International Airport, Philadelphia, PA - Senior Electrical Engineer for the renovations to the existing fire protection systems and addition of a foam fire suppression system for the US Airways express hangar located at the Philadelphia International Airport.

Ardmore Transit Center, Lower Merion Township, Ardmore, PA - Senior Electrical Engineer for the new, $43 million transportation center, servicing Amtrak and SEPTA train lines and a bus station. MEP design involves the new 11,000 SF, three-story station building, including retail and commercial space, passenger ticket and waiting areas, a 220,000 SF parking garage accommodating 375+ cars, and a new 7,000 SF township public safety building.

South Jersey Transportation Authority (SJTA), South Jersey Traffic Operations Center & State Police Barracks, Hammonton, NJ - Electrical Engineer for the design of a 2,000 SF addition and renovations to The State Police Barracks at Farley Service Plaza of the Atlantic City Expressway.

Wilkes-Barre Intermodal Facility, Wilkes-Barre, PA - Project Manager for the design for a five-story parking garage with first floor bus transportation and four parking levels above. Design required ventilation of bus parking area, and lighting and special systems for the areas above.

Lakehurst Naval Air Base, Aircraft Hangars and Air Control Tower, Lakehurst, NJ - Project Manager and Senior Electrical Engineer for the MEP design of multiple projects at Lakehurst Naval Air Base, including renovations to Aircraft hangars, and revisions to an Air Control Tower to incorporate an elevator and canopy additions.

Bradley International Airport, Terminal B Reconstruction, Windsor Locks, CT - Senior Electrical Engineer for the preliminary MEP engineering and schematic design for the half-billion dollar terminal redevelopment for Connecticut's largest airport. Design includes relocation of airfield lighting vault and associated electrical, apron design, utility relocations, and aircraft layout. Terminal areas include arrivals, departures, parking garage, rental car facility, utilities, and the terminal building for airline operations, baggage, ticket lobby and federal inspection, concessions and passenger/public areas. Design involves demolition of the existing terminal for a new 500,000 SF terminal to be constructed in two

phases.

Capital District Transportation Authority (CDTA), Saratoga Bus Maintenance Facility, Saratoga Springs, NY - Senior Electrical Engineer for the design of a new 72,700 SF bus maintenance facility. This project includes a satellite bus garage with administrative offices, dispatch and driver areas, maintenance bays, a fuel dispensing station, a bus wash unit and an indoor bus storage area for a 50 bus fleet. This design of this new facility will be LEED® Certified.

MISCELLANEOUS

Octavius V. Catto Elementary School and Boys and Girls Club, Camden, NJ - Electrical Project Engineer for the electrical engineering for a new 122,729 SF elementary school and Boys and Girls Club facility. This new building on North Dudley Street houses both an elementary school and the Boys & Girls Club and contains an indoor pool, a gymnasium, an auditorium and a cafeteria with a kitchen. Project will be certified as a LEED® 2.1 building. As such, the building systems must meet the requirements of the U.S. Green Building Council.

Sunoco Logistics, Eagle Point Pipeline Facility, Westville, NJ - Senior Electrical Engineer for this $2.5 million project at the Sunoco Logistics Eagle Point Refinery site. The project consists of replacing an existing 6700 hp steam boiler with (2) 800 hp boilers with economizers, a deaeration unit and new boiler feedwater pumps. Upgrading to high efficiency equipment that is more appropriately sized to serve the new operations of the Power House and ancillary processes at the facility is projected to have a Return on Investment of under three years.

Controlled Environment in Lab Building 355, Lakehurst Naval Base, Lakehurst, NJ - Electrical Project Engineer for the development of plans and specifications for a new dedicated HVAC system to provide a controlled environment in the laboratory on a year round basis, design of two new exhaust systems for two existing hoods located in the laboratory, and design modifications to two existing interconnected exhaust hood systems in the laboratory.

2301 Chestnut Street and 2300 Ionic Street, Property Condition Assessment, S. Harris Ltd, Philadelphia, PA - Senior Electrical Engineer for a Property Condition Assessment (PCA) of the mechanical, electrical, plumbing, elevator and life safety systems in the properties located at 2301 Chestnut Street and 2300 Ionic Street in Philadelphia. The Chestnut Street building is a four-story office building of approximately 128,000 SF. The Ionic Street building is a two-story office building of approximately 11,000 SF.

Rutgers University, Cook/Douglass Campus, Ruth Adams Building New Brunswick, NJ- Project Manager and Electrical Engineer for the HVAC upgrades to the Ruth Adams Building consisting of a basement, first, second and third floors, with a mix of classrooms and offices. Chiller was upgraded from 60-ton to 100-ton, replaced steam radiation system and window air conditioners with a two-pipe fan coil unit system. Installed variable speed primary pumping package; expanded system and installed steam to heating hot water heat exchanger. Provided electrical upgrades to support new chiller.

Rutgers University, Cook/Douglass Campus, New Brunswick, NJ- Project Manager for the renovations to Murray Hall consisting of the first floor classrooms within the building including HVAC, plumbing and electrical fit-out.

Camden County Vocational-Technical School, Science Laboratory Building, Pennsauken, NJ - Project Manager and Electrical Engineer for the design and construction administration services for a new two-story building built on the site of the Camden County Technical School's Pennsauken campus. The building is a total of 48,900 SF, with a 29,100 SF first floor and a 19,800 SF second story. The design included dual temperature fan coil units with a dedicated outdoor air ventilation system that incorporates energy recovery.

Clean Harbor Development, Bridgeport, NJ - Project Manager and Senior Electrical Engineer for the design of a 1.2 MW solar power production facility for groSolar at the Clean Harbor landfill in Bridgeport, NJU. The project involved DC and AC design, including circuiting for modules, arrays, and connection to the utility grid.

James A. Bilella, PE

Senior Electrical Engineer

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

- **22 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- Lighting Certified
- Professional Engineer AL
- Professional Engineer CT
- Professional Engineer DE
- Professional Engineer DC
- Professional Engineer GA
- Professional Engineer ME
- Professional Engineer MD
- Professional Engineer MA
- Professional Engineer MI
- Professional Engineer MO
- Professional Engineer NJ
- Professional Engineer NY
- Professional Engineer OH
- Professional Engineer PA
- Professional Engineer TX
- Professional Engineer VA
- National Council of Examiners for Engineering and
- Professional Engineer WV
- Institute of Electrical and Electronic Engineers (IEEE)
- Illuminating Engineering Society of North America (IESNA)
- Society of American Military Engineers
-

EDUCATION

BS, 1999, Drexel University, Electrical Engineering

OSHA, 40-Hour, Hazardous Waste Operations/Response Training, 1995

FHWA, Using the National ITS Architecture for Development, 1999

Illuminating Engineering Society, ED-150 Intermediate Ltg, 2000

The Light Brigade, 2003, Fiber Optic Design, Installation & Maintenance

Certificate, 2004, Dale Carnegie Course

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Bilella is Director of Building Systems, managing all Mechanical, Electrical, and Plumbing (MEP) Engineering services, as well as Fire Protection and IT Systems design. He is skilled in the management of multidiscipline projects. His background includes design, system and equipment selection, project field administration, specification writing, feasibility and conditions reports. Major projects include public and private educational institutions, museums, housing development, financial and corporate centers, shopping malls, hotels, and transportation related facilities. Mr. Bilella's experience includes:

TRANSPORTATION FACILITIES

The County of Westchester, Replacement of Dynamometer System at the Central Bus Maintenance Facility, Yonkers, NY - MEP Principal for the design of a new dynamometer and brake tester for the Central Bus Maintenance Facility. This project involves evaluation and recommendations for the new equipment, electrical power for the new equipment, HVAC exhaust system upgrades, additional make-up air, and air cooling. Potable water service, discharge system, and fire protection and controls will be evaluated.

New Jersey Turnpike Authority (NJTA), Garden State Parkway South Maintenance Facility Rehabilitation, Statewide, NJ - MEP Project Manager for 20 new and renovated vehicle maintenance buildings, administration buildings, as well as salt and material storage facilities in five (5) maintenance district yards. Construction cost is $75 million. Design - current

Philadelphia International Airport, Terminals D and E, Daroff Design, Philadelphia, PA - MEP Project Manager for the renovations to Terminal D and E located at the Philadelphia International Airport. The project consisted of enhancements to passenger safety, security and comfort, including optimizing gate capacity, expanded passenger screening, enlarged ticketing lobbies, new baggage handling systems, renovation and construction of 30 new restrooms, over 25 new concession spaces, as well as management and executive office spaces. Services included modifications to existing air distribution systems, hydronic distributions systems, domestic water systems, underground sanitary systems, and fire-suppression systems. Design - current

Southeastern Pennsylvania Transportation Authority (SEPTA), Elmwood Shop Roof Replacement, Philadelphia, PA - MEP Principal responsible for reviewing the existing site and record drawings, maintaining the existing mechanical and plumbing systems, and making improvements while the existing roof was replaced. For the mechanical systems, new roof curbs and equipment supports were provided to existing rooftop devices, new refrigerant lines were installed for existing split systems, a new rooftop unit was provided, and an 8" vent and exhaust fan were relocated. For the plumbing system, new roof drains, piping and an emergency roof drainage system were installed.

South Jersey Transportation Authority (SJTA), Traffic Operations Center and State Police Barracks, Hammonton, NJ - MEP Principal for the design of a 2,000 SF addition and renovations to The State Police Barracks at Farley Service Plaza of the Atlantic City Expressway. The addition will provide for a new Traffic Operations Center and IT equipment room. Design included new electric power distribution, emergency backup systems, IT systems, and HVAC and plumbing, along with extension of the Life Safety Systems. This project involved coordination with the Department of Community Affairs (DCA) and the architect for reviews and

permitting.

Widening, Reconstruction, Drainage and Intersection Improvements of Route 47, Sec. 1C, NJDOT, Middle Township, Cape May County, NJ - Electrical Designer for the roadway lighting for four intersection improvements included in the project. Reviewed the project for lighting warrants. Also designed the lighting system to current NJDOT standards using Calapro.

Interchange 13A Toll Plaza Expansion, New Jersey Turnpike Authority, City of Elizabeth, NJ - Electrical Designer for interchange widening project. This project encompasses the addition of six toll islands and widening the approaches to the toll plaza. Responsibilities included interchange and highway lighting system design along with electrical power system design. Lighting design was performed with Calapro software. Also responsible for toll plaza lighting canopy lighting and power distribution.

MISCELLANEOUS

New Jersey Department of Transportation (NJDOT), Electrical Safety Training Program, Statewide, NJ - MEP Principal for the update of NJDOT's existing electrical safety training program to reflect the changes to the National Fire Protection Association (NFPA) 70E, National Electric Code (NEC), Occupational Safety and Health Administration (OSHA), the State of New Jersey Public Employee Occupational Safety and Health Program (PEOSH), and current NJDOT safety practices. The existing program includes training on general electrical safety, personal protective equipment, personal protective grounding, high voltage lines, lockout/tagout, insulated and nonconductive tools, substation entry, confined spaces, ladder safety, aerial lifts, asbestos avoidance, fall protection, rig and hoist, and green energy. Urban is also conducting a complete statewide arc flash/blast hazard assessment "approach plan" for NJDOT that presents the methodology that will be used to conduct the full assessment at the NJDOT facilities. The intent of this plan is to document NJDOT's intent to perform the assessment in order to be in compliance with federal, state, and local regulations.

Whitemarsh Boat Club, Conshohocken, PA - MEP Principal for the renovations to the 9,600 SF boat club consisting of boat storage, maintenance areas, locker/shower facilities and exercise/training area. Project included an investigation and assessment of the existing building systems, including mechanical, electrical and fire protection systems.

The RCA Victor Building, Camden, NJ - MEP Principal for the renovation and reuse of the historic RCA Victor building on Camden's Waterfront. The RCA Victor's 75-foot-high Nipper stained glass tower is a defining feature of the Camden skyline. Renovations included transforming the former manufacturing and industrial complex into 314-unit luxury loft apartments. Cost, energy efficiency, and unique design features posed significant challenges for the design team. Mechanical design employed high efficiency boilers to provide heating at low temperature and heating from 0 degree water without thermal shock.

South Jersey Transportation Authority (SJTA), Traffic Operations Center and State Police Barracks, Hammonton, NJ - MEP Principal for the design of a 2,000 SF addition and renovations to The State Police Barracks at Farley Service Plaza of the Atlantic City Expressway. The addition will provide for a new Traffic Operations Center and IT equipment room. Design included new electric power distribution, emergency backup systems, IT systems, and HVAC and plumbing, along with extension of the Life Safety Systems. This project involved coordination with the Department of Community Affairs (DCA) and the architect for reviews and permitting.

(ITS AND TRAFFIC SYSTEMS)

Operational and Intersection Improvements of Route 47, Sites 2 and 7, NJDOT, Glassboro Borough, NJ - Electrical Designer for this five intersection improvement project. Designed ITS elements for video surveillance and variable message sign for this heavily utilized shore travel route. Designed fiber optic interconnect for coordinating the signalized intersections. All plans are being prepared in accordance with NJDOT's Traffic Signal Standards. Currently overseeing comment resolution for final submission.

Adam J. Shelly, PE, LEED AP® BD+C, CEM

Mechanical Engineer

URBAN ENGINEERS
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WHY SELECTED

- **6 years of professional experience**
- **Extensive experience in energy evaluations and modeling**
- **Infrastructure sustainability expertise**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer: NY
- CEM – Certified Energy Manager
- LEED® BD&C (Building Design & Construction)
- CEA - Certified Energy Auditor
- ICC Commercial Mechanical Inspector
- Association of Energy Engineers (AEE)
- Urban Green – New York
- AIA – New York Chapter
- Delaware Valley Green Building Council (DVGBC)
- American Society of Heating, Refrigeration & Air Conditioning Engineers (ASHRAE)
- American Society of Mechanical Engineers (ASME)

EDUCATION

- MS, 2012, Villanova University, Sustainable Engineering
- BS, 2008, Washington University, Mechanical Engineering
- Certificate, 2009, ASHRAE Basic Course
- Certificate, 2009, Carrier HAP for LEED®

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Shelly holds a Master of Science degree in Sustainable Engineering from Villanova University. Since joining the firm, Mr. Shelly has been responsible for many phases of completed and ongoing projects including building energy simulations, life cycle analysis, load calculations, HVAC systems design, equipment selection and documentation, LEED® submissions lighting simulations and streetscape lighting design. He is a LEED® Accredidate Professional and a Certified Energy Manager and Certfied Energy Auditor. Adam is also a member of USGBC's Education Review Team and the leader of Urban's Green Committee. He is proficient in AutoCAD, Revit MEP 2013, Carrier Hourly Analysis Program v4.7, Visual 2.6 Lighting Software and NIST's Building Life Cycle Cost Program. Mr. Shelly's experience includes:

University of Pennsylvania, Richards Medical Research Laboratories, EYP Architecture, Philadelphia, PA – Deputy Project Manager for the phased renovation of the building mechanical and electrical systems in the Richards Medical Research Laboratories. The research laboratory facility building was constructed in 1962 and was an innovation in laboratory facility space design and construction by Louis Kahn and his consultants. *Richards Medical Research Laboratories is declared a National Historic Landmark.*

The Curtis Institute of Music, Rock Resource Center, Venturi, Scott Brown & Associates, Philadelphia, PA – Sustainability Project Manager for the upgrades to the mechanical and electrical systems for Building 1720 Locust Street (Rock Resource Center). The HVAC system consisted of elimination of the existing steam heating system and utilizing is a variable refrigerant flow system (VRF) system for the entire building. The electrical system included a new electrical service to support the buildings electrical loads and new HVAC equipment. Simulated energy of building dormitory building to optimize the design and to comply with LEED® Credit 1, Optimize Energy Performance. Designed systems to ensure criteria would achieve a LEED® Gold building.

Lafayette College, Renovation, KSS Architects, Inc./Kieran Timberlake Architects, Easton, PA – Sustainability Project Manager for the 30,000 SF, two-building renovation and expansion to accommodate the college's new Film and Media Studies theater facility. The project included the renovation and expansion of two existing buildings (Case and Mohican) into offices, classrooms, a screening room, theatrical support areas, residential space, and black box theatre. Special consideration was given to establish and maintain a working arts campus at the bottom of College Hill, creating spaces that promote interaction between students, faculty, staff and community members.

Curtis Institute of Music, Lenfest Hall, Venturi, Scott Brown & Associates, Philadelphia, PA – Sustainability Project Manager and LEED® Specialist for 98,700 SF of environmentally sensitive, state-of-the-art music education and student residence building. Simulated energy of building dormitory building to optimize the design and to comply with LEED® Credit 1, Optimize Energy Performance. Designed systems to ensure LEED® criteria would be achieved for a LEED® Gold building.

Camden County College, Gabriel E. Danch CIM Center, Blackwood, NJ – Sustainability Project Manager for the 1,500 SF renovation within the Gabriel E. Danch CIM Center located at the Blackwood Campus of Camden County College. The project consisted of converting two traditional classrooms into new, smaller rooms to accommodate staff and equipment used as part of the college's laser

program.

East Stroudsburg University, Koehler Fieldhouse and Natatorium, Chiller Replacement, East Stroudsburg, PA – Sustainability Project Manager for the construction documentation and construction administration services for the replacement of a central chilled water system. The project included the replacement of the existing chiller, cooling tower, pumps, associated piping, electrical power equipment and controls. Replacement equipment included an outdoor, air cooled, liquid chiller with new pumps, new disconnects and starters. All new controls associated with the replacement were connected to the existing Building Management System (BMS).

Kemerer Museum of Decorative Arts, SaylorGregg Architects, Philadelphia, PA – Sustainability Project Manager for the 21,200 SF schematic design for new collection storage, new galleries and renovations of the entire facility, including the facility's MEP/FP infrastructure.

Cabrini College, Grace Hall Renovations, Radnor, PA – Sustainability Project Manager for the construction project that renovated the Co-op and Career Services, and portions of Registrar office spaces in Grace Hall. The 1,800 SF renovation project consisted of survey of the existing space, new ceilings and office cubicles, revised ductwork and diffuser layout, new lighting fixtures, revised fire alarm configuration and new power/data outlets to match new open space office configuration. In addition to these improvements, additional scope was added to the project to provide a revised lighting design for the college President's office.

Drexel University, North Residence Hall, Philadelphia, PA – Sustainability Project Manager for the complete HVAC equipment replacement project for this 160-bed dormitory suites building. Design included replacement of the cooling towers, central pumps, DDC control system, rooftop make-up air units and the water source heat pump units in four phases. This project involved mechanical and electrical designs, as well as architectural and structural designs.

Philadelphia Museum of Art, Philadelphia, PA – Sustainability Project Manager for a research report for the Philadelphia Museum of Art investigating the life cycle costs of various energy sources. The current system requires steam produced by a utility, but several options, including producing their own steam using co-generation plants, were evaluated and analyzed.

The ARCH, University of Pennsylvania, SaylorGregg Architects, Philadelphia, PA – Sustainability Project Manager for the complete renovation of a 1927-29 building of the late-Gothic Revival period with a richly detailed facade and interior. The building currently houses three cultural centers, administrative offices, classroom, performance, and meeting space. By restoring the ARCH, the building will serve as another focal point for student activities. This building is being designed for LEED® 2009 Commercial Interiors.

The Academy of Natural Sciences, Master Plan & Lobby Renovations, SaylorGregg Architects, Philadelphia, PA – Sustainability Project Manager for the lobby renovations and the $70 million, 250,000 SF master plan renovations for new exhibits, enhanced public spaces and work areas, along with improved building infrastructure to support the extensive collections, library, and laboratories. *The Academy of Natural Sciences is listed in the National Register of Historic Places.*

Curtis Institute of Music, Lenfest Hall, Venturi, Scott Brown & Associates, Philadelphia, PA – Sustainability Project Manager for 98,700 SF of environmentally sensitive, state-of-the-art music education and student residence building. Simulated energy of building dormitory building to optimize the design and to comply with LEED® Credit 1, Optimize Energy Performance. Designed systems to ensure LEED® criteria would be achieved for a LEED® Gold building.

Woodmere Art Museum, Venturi, Scott Brown & Associates, Philadelphia, PA – Sustainability Project Manager for renovation and construction inspection for the mechanical system upgrades, roof air distribution, and rooftop HVAC system renovations to the 19th century, stone Victorian mansion located in the Chestnut Hill section of Philadelphia. The system consisted of a heat recovery chiller, air handling system, exterior ductwork distribution, humidifier, and modifications to existing boiler system and DDC controls designed to maintain consistent museum quality humidity and temperature space conditions.

Edward J. Godorov, PE

Senior Mechanical Engineer

URBAN ENGINEERS
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WHY SELECTED

- **46+ Years of Professional Experience**
- **Mechanical Engineering & Project Management**
- **New Construction & Historical Renovations**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer IL, MD, NJ, PA
- American Society of Heating, Refrigeration & Air Conditioning Engineers (ASHRAE)
- American Society of Plumbing Engineers (ASPE)
- National Society of Professional Engineers (NSPE)
- Delaware Valley Green Building Council (DVGBC)

EDUCATION

BA, 1967, Pennsylvania State University, Architectural Eng.

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Godorov is a registered professional engineer with 46+ years of experience. He is responsible for the engineering design and construction management of heating, ventilation, air conditioning, plumbing and fire protection systems. Major projects include engineering design for public and private academic institutions, museums and theaters, municipal buildings, high-rise development, shopping malls, food markets, corporate centers, medical buildings, and transportation facilities. Highlighted project experience includes:

Penn Valley Elementary School, Lower Merion School District, SPG^3 Architects, Narberth, PA – Senior Mechanical Engineer for the renovation and addition of the MEP systems for this elementary school, including classrooms, gymnasium, kitchen and cafeteria/dining area, auditorium and library.

Drexel University, North Residence Hall, Philadelphia, PA – Senior Mechanical Engineer for a 160-bed dormitory suites building. This project was a complete HVAC equipment replacement project that was designed to replace the cooling towers, central pumps, DDC control system, rooftop make-up air units and the water source heat pump units in four phases. This included architectural, structural, mechanical and electrical design work to accomplish the work.

The University of Pennsylvania, Richards Medical Research Laboratories, EYP Architecture, Philadelphia, PA – Senior Mechanical Engineer for the historical 50,000 SF restoration and renovation to this iconic 1950s Louis Kahn-designed building. This building is targeted for LEED Silver certification. *Richards Medical Research Laboratories is declared a National Historic Landmark.*

The University of Pennsylvania, College Hall, Building Feasibility Study, Atkin Olshin Schade Architects, Philadelphia, PA – Project Manager/Senior Mechanical Engineer for the historic 100,000 GSF College Hall, the oldest building on the Penn Campus, built in 1873. The building's feasibility study included the HVAC, Plumbing, Electrical and Fire Protection condition assessment services for the west wing of the facility. Schematic HVAC diagrams were designed, along with recommendations for the other building systems. *College Hall is listed in the National Register of Historic Places.*

The Curtis Institute of Music – Lenfest Hall, Venturi, Scott Brown & Associates, Philadelphia, PA – Senior Mechanical Engineer for a new 98,700 SF, nine-story building to accommodate the school's world-renowned music program, along with a 22 dormitory residence hall. The building houses a rehearsal facility, practice rooms, kitchen/dining and lounge area, music classrooms, and student bedrooms. Among the demanding constraints that needed to be achieved were acoustical considerations, space limitations, and historic preservation. This building achieved LEED Gold certification and received the Preservation Alliance's Grand Jury Award.

Drexel University, College of Law School & Hagerty Library Alterations, SaylorGregg Architects, Philadelphia, PA – Senior Mechanical Engineer for the $5 million MEP/FP design upgrades for a 78,000-SF renovation to two buildings on Drexel's Philadelphia campus, while maintaining the architectural beauty of the Library and the Law School. Renovation was for the expansion of the Law School into the third floor of Hagerty Library and renovation of the parts of the Law School.

REFERENCES:

Joseph D. Monahan / Assistant Vice President – Facilities Services / Rowan University / 201 Mullica Hill Road / Glassboro, NJ 08028-1702 / [redacted] / Project: Rowan University – Various Projects

John P. Ruiz, AIA / Principal / R2Architects, LLC / 110 Kresson-Gibbsboro Road, Suite 8 / Voorhees, New Jersey 08043 / [redacted] / Projects: Camden Bank & Trust Renovation and Addition

Brenda Loewen / Project Manager, Facilities & Real Estate Services - Design & Construction / The University of Pennsylvania /3101 Walnut Street, Philadelphia, PA 19104 / [redacted] / Project: The University of Pennsylvania's Museum of Archaeology & Anthropology

Brian R. McElwee

Plumbing/Fire Protection Designer

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

- **16+ Years of Professional Experience**
- **Historical Renovations & New Construction**
- **Experienced in all aspects of Plumbing and Fire Protection Engineering**

REGISTRATIONS/ MEMBERSHIPS

- American Society of Plumbing Engineers (ASPE)

EDUCATION

- Certificate, Camden County College AutoCAD Training, 1998
- Certificate, A.S.S.E. Plumbing Design School I, 2000
- Certificate, A.S.S.E. Plumbing Design School II, 2001
- Certificate, Philadelphia Engineers Club, Automatic Sprinkler Design I, 2001
- Certificate, Philadelphia Engineers Club, Automatic Sprinkler Design II, 2002
- Certificate, Carrier, HVAC Design Course, 2005

RECORD OF PROFESSIONAL EXPERIENCE

Mr. McElwee is a Senior Plumbing and Fire Protection Designer for the firm's MEP engineering division. His experience encompasses the design of retail, commercial, healthcare, educational, industrial and municipal facilities. Practical experience includes the design of plumbing systems, medical gas systems, laboratory gas systems, purified water systems, specialty waste drainage systems, as well as various water-based fire suppression systems. Additonal experience includes the review of sprinkler shop drawings and hydraulic calculations for conformance to design documents and NFPA 13 requirements, as well as performing job site inspections to determine compliance of systems installation per contract documents and all revelant codes and standards. Mr. McElwee's experience includes:

New Jersey Turnpike Authority (NJTA), Garden State Parkway South Maintenance Facility Rehabilitation, Statewide, NJ – Plumbing/Fire Protection Designer for 20 new and renovated vehicle maintenance buildings, administration buildings, as well as salt and material storage facilities in five (5) maintenance district yards. Construction cost is $75 million.

Capital District Transportation Authority (CDTA), Saratoga Bus Maintenance Facility, Saratoga Springs, NY – Plumbing/Fire Protection Designer for the design of a new 72,700 SF bus maintenance facility. This project includes a satellite bus garage with administrative offices, dispatch and driver areas, maintenance bays, a fuel dispensing station, a bus wash unit and an indoor bus storage area for a 50 bus fleet. This design of this new facility will be LEED® Certified.

Harrisburg International Airport (HIA), Feasibility Study and Generator Replacement, Airport Rescue and Fire Fighting Building, Harrisburg, PA – Plumbing/Fire Protection Designer for the initial feasibility study and generator replacement for the Airport Rescue and Fire Fighting building, a one-story fire stations serving landside and airfield operations. The 175 kW generator will enable the ARFF to maintain functions critical to the operation of the airport through a variety of conditions.

The University of Pennsylvania, Richards Medical Research Laboratories, EYP Architecture, Philadelphia, PA – Plumbing/Fire Protection Designer for the historical 50,000 SF restoration and renovation to this iconic 1950s Louis Kahn-designed building. This building is targeted for LEED Silver certification. Richards Medical Research Laboratories is declared a National Historic Landmark.

South Jersey Transportation Authority (SJTA), Traffic Operations Center and State Police Barracks, Hammonton, NJ – Plumbing/Fire Protection Designer for the design of a 2,000 SF addition and renovations to The State Police Barracks at Farley Service Plaza of the Atlantic City Expressway. The addition will provide for a new Traffic Operations Center and IT equipment room. Design included new electric power distribution, emergency backup systems, IT systems, and HVAC and plumbing, along with extension of the Life Safety Systems. This project involved coordination with the Department of Community Affairs (DCA) and the architect for reviews and permitting.

Norfolk Southern Railroad, Enola Welfare Building, Enola, PA – Plumbing/Fire Protection Designer for the new, two-story, 15,000 SF building to be constructed in Enola, PA for the Norfolk Southern Railroad. The new building will house offices, training rooms, and locker room facilities. The design features

an Energy Recovery Ventilation unit that uses energy from the exhaust air to temper the make-up ventilation air. Lighting systems controlled with occupancy sensors will further reduce energy use.

The ARCH, University of Pennsylvania, SaylorGregg Architects, Philadelphia, PA – Plumbing/Fire Protection Designer for the complete renovation of a 1927-29 building of the late-Gothic Revival period with a richly detailed facade and interior. The building currently houses three cultural centers, administrative offices, classroom, performance, and meeting space. By restoring the ARCH, the building will serve as another focal point for student activities. This building is being designed for LEED® 2009 Commercial Interiors.

Lafayette College, Renovation, KSS Architects, Inc./Kieran Timberlake Architects, Easton, PA – Plumbing/Fire Protection Designer for the 30,000 SF, two-building renovation and expansion to accommodate the college's new Film and Media Studies theater facility. The project included the renovation and expansion of two existing buildings (Case and Mohican) into offices, classrooms, a screening room, theatrical support areas, residential space, and black box theatre. Special consideration was given to establish and maintain a working arts campus at the bottom of College Hill, creating spaces that promote interaction between students, faculty, staff and community members.

Philadelphia International Airport, Terminals D&E, Philadelphia, PA – Fire Protection Designer for the renovations to Terminal D and E located at the Philadelphia International Airport. The project consisted of enhancements to passenger safety, security and comfort, including optimizing gate capacity, expanded passenger screening, enlarged ticketing lobbies, new baggage handling systems, renovation and construction of 30 new restrooms, over 25 new concession spaces, as well as management and executive office spaces. Services included modifications to existing air distribution systems, hydronic distributions systems, domestic water systems, underground sanitary systems, and fire-suppression systems.

The Bank of New York Mellon (BNY) and CenterSquare Investment Management Group, Existing Conditions Assessment, Meyer Design, Inc., Radnor, PA – Plumbing/Fire Protection Designer for an Existing Conditions Assessment of the 241,000 SF, seven-story office building at 555 Lancaster Avenue in Radnor. The project was the initial phase of a lease arrangement between BNY/CenterSquare and Radnor Properties-555 LA, L.P. The project includes renovation of the 30,000 SF, third floor of the building for occupancy by the CenterSquare Investment Group.

Newton Memorial Hospital, Newton, NJ – Plumbing/Fire Protection Designer for an ambulatory care expansion which included revisions to entire site fire sprinkler system.

615 Chestnut Street, HVAC Renovations, Philadelphia, PA – Plumbing/Fire Protection Designer for the evaluation and replacement of the existing boilers and cooling towers at 615 Chestnut Street. The project included the evaluation of the existing systems and recommendations for the replacement of the closed circuit coolers and boilers serving the existing water source heat pump loop in this 12-story, commercial building.

4300 Liberty Heights, ATI Architects, Baltimore, MD – Plumbing/Fire Protection Designer for the renovation of a three-story, residential building located in Baltimore, Maryland. The project included 14 apartment units served by split-system air conditioning units with gas-fired furnaces, individual metered electric services to each tenant, water and sanitary building services.

Hamilton Mall, SOSH Architects, Hamilton, NJ – Plumbing/Fire Protection Designer for the interior renovation and expansion of an existing retail enclosed mall located in Hamilton, New Jersey. The project also including site lighting for the entire parking lot surrounding the mall.

The Pointe at River Station, Barton Partners, Downingtown, PA – Plumbing/Fire Protection Designer for a new, mixed-use, three-story residential building located in Downingtown, Pennsylvania. The project included retail shell space, 25 apartment units, and green roofs served with air source heat pump units, individually metered electric services to each tenant, water and sanitary building services.

Thomas F. Kerins, EIT

Constructability Specialist

URBAN ENGINEERS
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WHY SELECTED

- **32 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- Engineer in Training PA
- Construction Management Association of America
- American Society of Highway Engineers

EDUCATION

BS, 1981, Temple University, Civil Engineering

Certificate, 1997, Dale Carnegie Course

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Kerins directs Urban's Constructability Review Group in the Construction Services Practice in which he is responsible for performing detailed constructability reviews on all design documents prepared by Urban in addition to performing these reviews for non-Urban designs for numerous public and private clients.

Mr. Kerins also has extensive experience in the construction and rehabilitation of major highways, interchanges, and bridges throughout Pennsylvania and New Jersey. He has been involved in the design of major highway projects for the Pennsylvania Department of Transportation (PennDOT), the Pennsylvania Turnpike Commission (PTC), and the New Jersey Turnpike Authority (NJTA). Mr. Kerins has also managed construction assignments for these clients that involve complex staging and phasing where the coordination of numerous contractors, utilities agencies, local businesses, and communities has been significant. He is extremely proficient in the practices and procedures utilized by these owners. Mr. Kerins has performed detailed constructability reviews on numerous projects and has developed detailed Critical Path Method (CPM) schedules and preliminary construction schedules that have been included in contract documents. Further, he has experience in evaluating claims issues to protect owners' interests. Mr. Kerins' experience includes:

Open-End Agreement (Plans Checking), Pennsylvania Department of Transportation, PennDOT, District 3-0 - Construction Engineer for an open-end agreement for the review of highway design plans developed by outside consultants, as well as District 3-0 personnel. The work entailed review of plans for conformance with PennDOT's Design Manual Part 3, Design Manual Part 4, Publication 7, Publication 218, Publication 408, applicable Strike-off Letters, and other PennDOT publications and standards. Plans reviewed consisted of, but were not limited to, construction plans, erosion and sediment pollution control, traffic control plans, signing and pavement marking plans, highway lighting plans, structure plans, cross-sections, and right-of-way plans.

I-95/I-276 Connection Project, Pennsylvania Turnpike Commission, Bucks County, PA - Constructability Review Coordinator for this project involving construction of a new interchange between I-95 and the Pennsylvania Turnpike. The entire $700 million program will involve up to 12 separate construction contacts, which will be completed over a 10-year timeframe. The project will include widening and reconstructing the existing five-mile length between MP 351 and MP 356. Construction of new mainline toll facilities, modifications to two existing interchanges at US Route 1 and US Route 13, and replacement of the existing Trevose maintenance facility are also included in the program.

Roadway and Bridge Reconstruction between MP 326.01 and MP 331.33, Pennsylvania Turnpike Commission, Montgomery County, PA - Mr. Kerins helped develop detailed staging and phasing plans required to construct this $158 million project for widening and reconstructing approximately five miles of the Pennsylvania Turnpike, including replacing five Turnpike bridges, new retaining walls, box culverts, noisewalls, and interchange modifications. Additionally, Mr. Kerins provided detailed constructability reviews throughout final design and developed the project's pre-bid construction schedule.

State-Wide Open-End Constructability Review Agreement, Pennsylvania Department of Transportation, PennDOT - Indicative of Urban's leadership in the area of constructability reviews is the fact that they have been retained by PennDOT to assist Engineering Districts throughout the state in performing constructability reviews on non-Urban projects. As Project Manager, Mr. Kerins currently manages this $1 million Open-End Constructability Review Agreement, and has performed reviews on 14 separate projects having a total construction value in excess of $300 million.

SR 168, B05 Shippingport Bridge, Pennsylvania Department of Transportation, PennDOT, District 11-0, Beaver County, PA - CPM Schedule and Claims Manager providing "as-needed" Construction Management Support Services for this $19.8 million project. Urban supports the District's Assistant Construction Engineer in documenting, monitoring, evaluating, and resolving all scheduling concerns, field construction problems, engineering design problems, community and public concerns, contractors submissions, and contractors claims for additional time and costs. Mr. Kerins supervises the Urban Scheduler assigned to the project and reviews, comments, and makes recommendations concerning all major scheduling and claim issues on the project.

Frankford Transportation Center, Southeastern Pennsylvania Transportation Authority, (SEPTA), Philadelphia, PA - As part of Urban's program management assignment, Mr. Kerins performs detailed constructability reviews for SEPTA's Guideway and Systems Contract at the Frankford Transportation Center. This project involves construction of a new guideway on either side of the new terminal building and the supply and cut-over of all rail systems. This project is the most difficult of the six contracts to be let, since all of its work must be coordinated with both an active elevated rail line and surface transportation activities, including bus and trackless trolley service, as well as several other construction phases.

Widening and Rehabilitation of the Schuylkill River Bridge and Replacement of the Diamond Run Viaduct, Pennsylvania Turnpike Commission, Montgomery County, PA - As a Senior Construction Engineer, Mr. Kerins performed detailed constructability reviews for all contract documents prepared by Urban. The plans, specifications, and applicable standards were checked for compatibility; traffic control plans, staging and phasing plans, structure plans, and erosion and sedimentation control plans were reviewed for consistency; site logistics and constraints were identified; alternate methods of performing various construction operations were investigated and evaluated; all bid items and tabulated quantities were checked for clarity and accuracy; and the Engineer's estimate was reviewed and determined to be a realistic means of evaluation and comparison of bids. Mr. Kerins also developed a detailed CPM schedule for the project and a summary level schedule that was included in the contract documents for the bidders' information. He also developed several alternate schedules and cost estimates to demonstrate the potential time and cost impacts associated with accelerating the project schedule to varying degrees.

SR 322-Chester Access Ramps, Pennsylvania Department of Transportation, PennDOT, District 6-0 - CPM Schedule and Claims Manager providing "as-needed" Construction Management Support Services for this $71 million project. Urban was just recently brought onto the project to implement a Project Control System to document, monitor, evaluate, and resolve all related issues, including scheduling, field construction problems, engineering design problems, community and public concerns, contractors submissions, and contractors claims for additional time and costs. Urban now monitors and maintains a CPM schedule for the project in conjunction with the contract documents and the contractor's submitted CPM schedule. Mr. Kerins supervises the Urban Scheduler assigned to the project and reviews, comments, and makes recommendations concerning all major scheduling and claim issues on the project.

SR 1056, Sec. 001, Athens River Bridge, Pennsylvania Department of Transportation, PennDOT, Bradford County, PA - Senior Scheduler and Claims Manager providing "as-needed" Construction Management Support Services for this $7 million project. Reviewed all project documentation, including project Critical Path Method (CPM) Schedules, interviewed project participants, and developed a thorough familiarity with job history and alleged claim history. Met with the Department's representatives and reviewed contractor submitted requests for additional direct costs, indirect costs, and schedule impacts. Reviewed contractor furnished bid information for reasonableness and accuracy. Prepared and submitted to PennDOT's Office of Chief Counsel and Engineering District 3-0 advisory opinions and recommendations on all issues presented by the contractor and participated in the successful resolution of all outstanding claims against the Department.

Charles A. Halboth, PE, PMP

Constructability Reviews

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

- **36 years of professional experience**
- **Previous RR & Transit construction management experience**
- **Heavy Civil construction inspection experience**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer PA
- Professional Engineer (INACTIVE) NJ
- Professional Engineer (INACTIVE) NY
- Certified Project Management Professional (PMP)

EDUCATION

MS, 1982, New Jersey Institute of Technology, Engineering

BE, 1975, Stevens Institute of Techonology, Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Halboth is an experienced, energetic, and hands-on engineering and construction professional with extensive experience in all aspects of capital project execution. He has a verifiable track record of success in executing complex projects within critical schedule and budget constraints. Mr. Halboth's specific areas of expertise include leadership and team development; construction planning and scheduling; design and constructability reviews; contract administration; and change order management and negotiation. He believes in improving performance through applying the lessons learned resolving numerous construction claims and disputes. Mr. Halboth's experience includes:

Project Management Oversight of Second Avenue Subway (Phase 1), Project Manager on a $4.45 billion extension of subway service from 105th Street to 63rd Street beneath Second Avenue. Responsibilities included monitoring and evaluating design and construction progress as well as conducting independent cost and schedule evaluations to verify project performance. Also assisted in developing strategic plans for enhancing project delivery processes, as well as conducted in-depth assessments of project management capacity and capability in support of the development of funding agreements.

Port Imperial Ferry Terminal, New Jersey Transit - New $45 million ferry terminal built on pile foundations in the Hudson River. Implemented approximately $6 million of value engineering recommendations to maintain budget. Coordinated tenant modifications with owner/client.

PATCO Station Enhancements, Delaware River Port Authority - Renovations to nine line stations, including ADA upgrades, elevator, escalator replacements, and general improvements. Also coordinated all construction with ongoing rail operations.

Walt Whitman Bridge (two contracts), Delaware River Port Authority - Featured reconstruction on eastern approaches (Contract WW-02-2001) and repainting of main and approach spans (Contract No. WW-06-2003).

Frankford Transportation Center, Southeastern Pennsylvania Transportation Authority, Philadelphia, PA - Program/Construction Manager on this project that achieved on-schedule opening of the $120 million multi-modal terminal complex. Planned and executed the complete demolition and reconstruction of 400-foot-long elevated viaduct structure in nine days, including the cutover and recommissioning of all railroad systems. Recovered three month schedule delay through selective acceleration of critical path activities and detailed coordination of work. Regained lost time with minimal additional expense. Daily coordination of nine prime contractors and more than 30 major subcontractors with ongoing owner operation of active terminal servicing 50,000 riders per day. Scope included replacing all rail turnouts and third rail systems within the adjacent Bridge Street Yard. Work was accomplished via weekend track outages while maintaining overall yard operation. Also resolved conflicts and technical problems through comprehensive design reviews prior to construction.

Market Street Elevated Reconstruction Program, Philadelphia, PA - Provided detailed engineering analysis and dispute resolution assistance in defense of contractor's claim arising from termination on a $69 million contract for the reconstruction of an elevated viaduct structure and two passenger stations. Prime contractor was terminated with less than 30 percent of the work completed. Contractor's claim for improper termination involved multiple technical issues and

the evaluation of their individual and cumulative impact on the project schedule. Developed detailed "as-built" and "window schedule" analyses to demonstrate the effect of individual issues on the overall schedule. Claim is was excess of $45 million. Surveys, engineering design, constructability, maintenance of rail operations, third rail power, installation of DFF system, and construction quality were all significant elements in the dispute. Assisted attorneys in deposition preparation and presentation of case at mediation.

Railworks Program, Philadelphia, PA - Project Controls/Construction Manager responsible for replacing 26 bridges, two stations, and 4.5 miles of mainline track, catenary, signal and communications systems in two service shutdowns totaling 10 months in duration. Total Program value was approximately $300 million. Developed program master schedule and incorporated contract schedules as they became available; provided schedule and project status briefings to client and FTA utilizing the "earned value" technique; and negotiated all contract change orders. Also implemented a structured design review process to minimize changes during construction. The project received 11 national awards for management and engineering excellence.

Market-Frankford Railcar (M-4) Procurement, Southeastern Pennsylvania Transportation Authority, Philadelphia, PA - Provided project controls support, including contract administration, scheduling, cost control, cost estimating, change order management, and claims evaluation services for the design and fabrication of 220 subway vehicles for the SEPTA. The $285 million design/build project included improvements to control center and communication systems as well as installing platform surveillance equipment at 28 stations. Developed and implemented an earned value reporting system that combined schedule and cost to demonstrate the effect of both critical and non-critical schedule slippages on the overall project progress. This technique provided an early indication of project schedule problems and facilitated early action to correct the matter.

Freshkills Landfill, Staten Island, NY - Program Manager for multiple projects with a total value of $110 million. Major features included a new maintenance building, new methane gas extraction and transmission facilities (delivered via design/build contract), and improvements to all existing unloading facilities. Also included roadway, waterfront unloading, and utility and security improvements throughout the complex. Performed independent design phase and constructability reviews of all projects prior to bidding. Also developed formal phase completion criteria to validate design progress and authorize commencement of subsequent phase.

Southeastern Pennsylvania Transportation Authority - Technical assistance in evaluating and resolving various contract disputes and claims arising from capital construction projects. Specific efforts have included:

- **Market Street Elevated Reconstruction Program** - Reviewed and evaluated design engineer's request for additional compensation for design phase services. Performed a detailed entitlement and valuation of the 15 issues raised in this $3.5 million request. Assisted in the ultimate negotiation and resolution of the matter for approximately $425,000.
- **Manayunk River Bridge - Evaluated claim brought by contractor as a result of contract default determination** by client. Determined that owner had incorrectly defaulted contractor. Negotiated revised contract, returned to work by contractor, and successful completed project in accordance with revised agreement.
- **Radnor Station** - Delay analysis and estimate of damages claimed by general contractor during the renovation of a commuter rail station in suburban Pennsylvania. Work included the phased reconstruction of outboard platforms, canopies, and parking facilities as well as the complete restoration of the historically significant station building. Prepared expert report and assisted in negotiation that resulted in a favorable settlement.
- **Paoli Transportation Center** - Evaluated the role and responsibility of the construction manager with respect to schedule delays, cost overruns, and defective performance as part of the environmental remediation of a superfund site.
- **Overbrook Station** - Developed expert report in support of SEPTA termination of general contractor during $2.7 million station reconstruction project. Provided technical support and negotiation assistance to general counsel in successful counterclaim against surety for additional costs incurred by SEPTA.
- **FERP Contract CL-2S** - Prepared expert report evaluating the responsibility of the designer, construction manager, and contractor relative to defective structural steel construction. Provided technical support during negotiations, which resulted in a settlement for a significant portion of the additional costs incurred by SEPTA.
- **FERP Contracts CL-2D, CL-4D, SCB-1** - Prepared expert report evaluating the responsibility of the designer, construction manager, and contractor relative to improper connection of precast concrete deck sections to structural steel framing. Provided technical support during negotiations, which resulted in a settlement for a significant portion of the additional costs incurred by SEPTA.

John S. Holak, Jr.

Contract Administration

URBAN ENGINEERS
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WHY SELECTED

- **30 years of diverse professional transit experience**
- **Risk Assessment expert; leads Urban's practice**
- **Financial Analytical specialist**
- **Former Chief Procurement Officer, CFO, and Manager of Contract Auditing**

REGISTRATIONS/ MEMBERSHIPS

- Construction Financial Management Association (CFMA)
- Institute of Certified Management Accountants (ICMA)
- National Contract Management Association (NCMA)
- Association of Certified Fraud Examiners (ACFE)
- Association of General Contractors of America (AGC)

EDUCATION

MBA, 1999, St. Joseph's University, Financial Management

BS, 1983, La Salle University, Accounting (Minor Concentration Pre-Law)

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Holak is a dedicated and adaptable financial and administrative executive with extensive experience in increasing responsibility in the solicitation, administration, and negotiation of private and government contracts and the preparation, audit, and analysis of financial systems and statements. He is a proven leader who takes pride in the integrity, efficiency, and thoroughness of all work. Mr. Holak's experience includes:

Risk Assessment, Los Angeles County Metropolitan Transportation Authority (LACMTA) Westside Subway Extension Project, Federal Transit Administration - Led two detailed risk assessments of LACMTA's $5.9 billion Westside Subway Extension Project as the project prepared to enter into the Preliminary Engineering and the Final Design phases. Responsibilities included managing the characterization, risk identification, risk significance, mitigation strategies, and Contingency Management Plan for the project by coordinating numerous technical experts, along with key representatives from the grantee and FTA. Facilitated the performance of multiple Risk Workshops in support of the initiative.

Risk Assessment, Los Angeles County Metropolitan Transportation Authority (LACMTA) Regional Connector Project, Federal Transit Administration - Led a detailed risk assessment of LACMTA's $1.36 billion Regional Connector Project as the project prepared to enter into the Final Design phase. Responsibilities included managing the characterization, risk identification, risk significance, mitigation strategies, and Contingency Management Plan for the project by coordinating numerous technical experts, along with key representatives from the grantee and FTA. Facilitated the performance of a Risk Workshop in support of the initiative.

Risk Assessment, San Francisco Municipal Transportation Agency (SFMTA) Central Subway Extension Project, Federal Transit Administration – Facilitated and chaired a two day Risk Workshop pertaining to the Risk Assessment of the SFMTA's Central Subway Extension Project for the FTA, as part of the grantee's request for a Full Funding Grant Agreement (FFGA). Responsibilities included evaluating the scope, cost, and schedule projections expressed by the grantee against the FTA's OP 40 Risk Assessment guidelines. Results of the Risk Assessment were then incorporated into the FTA's Report on the FFGA request and led to the need for the grantee to expand on primary and secondary mitigation measures as part of their Risk and Contingency Management Plan.

Federal Transit Administration New Starts Workshop, Cost Estimating Section – On invitation and request from the FTA, moderated the Cost Estimating section of the annual FTA New Starts Workshops, offered to grantees and FTA regional staff. Workshop moderators were chosen based on their proven national expertise in the New Starts process and provided guidance to owner representatives and FTA staff on best practices, procedures, and requirements.

Federal Transit Administration New Starts Workshop, Cost Estimating Section – On invitation and request from the FTA, moderated the Risk Assessment practices section of the annual FTA Engineer's Conference, offered to the PMOC community and FTA regional staff. Workshop moderators were chosen based on their proven national expertise in specific areas, with Mr. Holak being one of two moderators appointed to discuss current practices and updates in the area of Risk Assessments of major capital projects.

Assessment of Regional Transit District's 2009, 2010, 2011, and 2012 FasTracks Financial Plan, Denver Regional Council of Governments - Project Manager for the assessment of the annual Financial Plan for one of the nation's largest transportation projects - the FasTracks project in Denver, CO for four consecutive years. Working for the MPO, DRCOG, the assessment included evaluation of the 2009, 2010, and 2011 Capital and Operating budgets for this $6.9 billion project, and overseeing the analysis of Revenue and Financing plans to enable the project to successfully meet its program schedule within budget. Assessment required presentations in public session for this highly visible and scrutinized program.

Lead Instructor for Risk Assessment Course @ Various Locations, National Transit Institute (NTI) – Led a two-day Risk Assessment course as part of Urban's contract with NTI, under a grant from the FTA, to provide FTA-sanctioned risk assessment instruction at various locations throughout the United States. The course is structured in accordance with the FTA's Oversight Procedures and is continually updated to be consistent with current regulations.

Physical Infrastructure Sustainability Research Project, Utah Transit Authority - Project Manager for the evaluation of UTA's existing asset infrastructure inventory and an assessment of the strategic and financial plans required to maintain the inventory in a State of Good Repair. Research and report is consistent with heightened national concern on eroding transportation infrastructure and developing proactive Asset Management Plans.

Special Assignments, Federal Transit Administration Project Management Oversight Consultant Contract – On request from the FTA, analyzed and opined on Buy America issues related to several high-profile national capital projects. Also, was asked to evaluate and offer refinement to the Procurement section of FTA's Quality Assurance/Quality Control Manual for Project Management Oversight Consultants, and to review and opine on revisions to the FTA's Operating Procedures for Cost Estimating and Project Scoping.

Chief Financial Officer, Neshaminy Constructors, Feasterville, PA – Full charge executive providing complete direction and management of all financial, accounting, human resource, office, information technology, contract administration and purchasing activities. Developed and monitored several significant technical entitlement and time delay claims resulting in favorable settlements. 2008

Senior Director of Procurement and Director of Contract Administration, Southeastern Pennsylvania Transportation Authority, Philadelphia, PA - Performed all tasks associated with being the Contracting Officer for North America's fifth largest public transportation company having an annual capital budget of approximately $500 million. Responsible for overseeing more than $400 million of purchases and contract awards per year. Directed, managed, and controlled the daily activities of over 140 diverse individuals in all aspects of procurement, contract administration, supply chain management, and regulatory compliance. Administered and managed the negotiation of contracts, legal matters, cost/price analysis, vendor performance ratings, and quality assurance issues that impacted procurements. Coordinated and communicated with supporting departments within SEPTA and senior representatives from vendors and funding agencies. Monitored industry trends, legislative changes, and peer group ideas to explore new and better ways for simplifying the procurement process, while promoting the concepts of cost savings, increased competition, enhanced efficiency, and conformance to governmental funding requirements. 2005

Contracting Officer/Manager, Overhead Accounting, Parsons Brinkerhoff, New York, NY - Ensured that all contracts complied with relevant regulations and were legally enforceable. Negotiated contract terms, disputes, and claims with top-level representatives from client organizations, audit agencies, and funding sources. Directed internal pre-proposal cost/pricing reviews for accuracy and compliance with applicable contractual and regulatory sanctions. 2000

Manager, Contract Audit, Senior Contract Auditor, and Contract Auditor, Southeastern Pennsylvania Transportation Authority, Philadelphia, PA - Planned and conducted audit programs, providing an independent evaluation of contractor's costs, financial statements, and internal controls in compliance with GAAS, CAS, and FAR. Assisted in preparing, negotiating, and administering numerous types of contracts with vendors spanning a wide range of industries and disciplines. Analyses of over 700 pre-contract and contract modification proposals resulted in more than $5 million of cost avoidance. Developed strategic plans, goals, and budgets for the department that ultimately led to several organization-wide policy and procedural changes. 1999

Logistics Management Specialist, United States Naval Air Technical Services Facility, Philadelphia, PA - Developed and analyzed fiscal and multi-year budgets for a division responsible for the multi-billion dollar F/A-18 Aircraft Program. Formulated and reviewed cost proposals and expenditure reports. 1985

Thomas E. Mitchell, PE

Contract Administration

URBAN ENGINEERS
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WHY SELECTED

- **33 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer MD
- Professional Engineer CT
- Professional Engineer PA
- Professional Engineer CA
- NCEES Council Record
- American Arbitration Association (AAA) - Roster of Neutrals
- National Construction Dispute Resolution Committee (AAA)
- Construction Management Association of America

EDUCATION

BS, 1982, Loyola Marymount University, Civil Engineering

MS, 1996, Villanova University, Civil Engineering

Certificate, 2008, Urban Engineers, Inc., Project Management Training

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Mitchell's 30+ years of construction consulting experience includes expert witness testimony for construction claims, as well as technical and management experience. He has worked with clients on federal, state, local, and private projects. Project types include heavy, marine, highway, transit, educational, hospital and health-care, military, aviation, hotel, and other commercial construction. His experience includes all aspects of construction contracts - procurement, management, and dispute resolution.

He also has experience with the design, drafting, and editing construction contracts; drafting general and special provisions for contracts; and technical specifications. While working on construction projects, he performed construction inspections, quality control inspections, and quality assurance inspections. He has performed construction management and contract administration; change order evaluations and negotiations; and construction claims analyses for time extension and cost damages entitlement.

Mr. Mitchell's experience includes dispute resolution of construction claims. When construction claims have been elevated to litigation, Mr. Mitchell has successfully provided expert testimony on matters related to quality management, entitlement, damages, and delays. He provides training courses and seminars on a wide variety of construction topics, including construction management, CPM scheduling, claims avoidance, writing, and dispute resolution. In addition to construction experience, Mr. Mitchell has provided insurance claim investigations to determine cause and origin of physical property damage.

Mr. Mitchell's experience includes the following:

AIG/Lexington/Chartis Insurance - Directed and/or conducted insurance claim investigations on behalf of AIG and related companies for construction-related projects, such as a high-rise commercial complex, commercial and residential structures, public works facilities, and municipal properties. Insurance policies related to property and casualty claims. The investigations required documentation research and review, site inspections, engineering analysis, and estimate of damages. Approximately 75 assignments have been performed since 2006.

Management of Transit Construction Projects, National Transit Institute, Nationwide- Project Manager and course instructor for the Management of Transit Construction Project, which is provided by the National Transit Institute, funded by the Federal Transit Administration (FTA). Instruction is provided to transit agency professionals nationwide. The course content covers federal transit laws requiring projects for a major capital investment (>$100 million) to have a Project Management Plan approved by the FTA. This course covers the basics of good project management for transit projects from preliminary engineering, through construction, and ending with start-up and testing. Mr. Mitchell has provided this course in Los Angeles, CA; Detroit, MI; Seattle, WA; Anchorage, AK; Miami, FL; Honolulu, HI; Portland, OR; Phoenix, AZ; St. Paul, MN; Fort Lauderdale, FL; Newington, CT; and Washington, DC.

Replacement of Clifton Avenue and Nesbitt Street Bridges over NJ Transit and I-280, New Jersey Department of Transportation, Newark, Essex County, NJ - As a subconsultant to Ammann-Whitney, review of baseline and updated schedules. Project started in April 2009 and scheduled to be completed by November 2010. Evaluation of schedules focuses on contract compliance, delay analysis between each updated period, and project progress evaluation. Evaluated time impact analyses presented by the contractor for project

completion extension. Project inspection is performed periodically to monitor contractor's progress.

Route 280 at GSP Interchange 145, Burnet Street to Steuben Street, New Jersey Department of Transportation, East Orange, Essex County, NJ - Analyst for a $30 million reconstruction of the interchange at I-280 and Garden State Parkway. The assignment was to evaluate the contractor's submitted schedules for compliance with contract documents and acceptability. Additionally, evaluated time extension analyses related to value engineering changes, change of plans, and change of phasing.

Construction Claim Analysis, Haynes Construction v. ConnDOT, Highway Maintenance and Electrical Facility and Salt Storage Shed, Southbury, CT - Claim evaluator for a $917,000 construction claim, including 133-day delay to project completion date. ConnDOT required evaluation of entitlement for claim issues for the $5.5 million construction of the Maintenance and Electrical Facility. Claim issues included differing site conditions, productivity inefficiencies, and changed conditions. Additionally, an as-built schedule analysis was performed to determine the source and magnitude of the delays. The project documents were reviewed to determine liability of the claim issues and delays. Testified in mediation on behalf of the State in July 2009. Mr. Mitchell assisted the Department and Office of Attorney General in settlement of claim issues.

Construction Claim Analysis, Oxford -Waterbury Airport, ConnDOT, Southbury, CT - Evaluated a $509,000 construction claim, including a 421-day delay to the project completion date. ConnDOT required evaluation of entitlement for the claim issues related to changed conditions and increased quantity of material. An as-built schedule analysis was required to be performed using the project documentation. Liability analysis was determined using the project documentation. Assisted ConnDOT in settlement negotiations.

General Engineering Services: Construction Monitoring and Inspection, Delaware River Port Authority (DRPA), New Jersey and Pennsylvania - Mr. Mitchell performed project management functions for this GEC contract with the DRPA in 2011 and 2012. The assignments included Mr. Mitchell performed project management functions for this GEC contract with the DRPA in 2011. The assignments included oversight, attending progress meetings, and communication with DRPA officials during construction progress for the Walt Whitman Bridge Permit Vehicle Staging Area (WW-15-2010), Commodore Barry Bridge Security and Lighting Improvements (CB-19-2010), and Replacement of Electrical Sub-station on Commodore Barry Bridge.

Second Avenue Subway Project Management Oversight, Federal Transit Administration, New York, NY - Analyst for a $3 billion project for the Second Avenue Subway project. The work included tunnel boring and cut and cover station construction. The assignment was to assess the labor availability and provide a risk analysis if the labor market would support construction of project from 2007 to 2013. Additionally, he provided an ongoing assignment to evaluate change orders for compliance to prescribed procedures outlined in the Project Management Plan and requests for time extension by reviewing Primavera schedules.

EXPERT TESTIMONY EXPERIENCE:

- 2009, Expert Witness, Mediation, Ames/Dawson vs. US Department of Veterans Affairs (VA), critical path method (CPM) scheduling issues, delays, and damages, presentation on behalf of the VA regarding delays at Building No. 650, Mather Field, Sacramento, CA.
- 2009, Expert Witness, Mediation, Haynes Construction vs. Connecticut Department of Transportation (ConnDOT), Construction Impacts and Scheduling issues, presentation on behalf of ConnDOT.
- 2010, Expert Witness, Arbitration, Shire Corporation (Crum & Foster) v. Rholde Island Department of Transportation, CPM schedule analysis and responsibility for excusable and compensable delays to the project completion for the reconstruction of the Greenwood Railroad Bridge, Warwick, RI.
- 2012, Expert Witness, Pennsylvania Board of Claims, Sordoni Construction Services, Inc. v. Pennsylvania Department of Transportation (PennDOT) v. City of Scranton, PA v. Pasonick Engineering Services, Inc. Testified on behalf of PennDOT on issues related to construction documentation, quality control/quality assurance contract compliance, and related issues for the construction of the Park, Plaza, and Pedestrian Court, Scranton, PA.

William J. Goffe

Conttract Administration

URBAN ENGINEERS
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WHY SELECTED

- **33 years of professional experience**

RECORD OF PROFESSIONAL EXPERIENCE

New Transit Hub at Financial Plaza Deck, City of Poughkeepsie, NY – Office Engineer and Document Control for this $1.2 million heavy civil project to create a new bus transit services hub. (2013 – present)

Project Management Oversight Program, USDOT Federal Transit Administration (FTA), Region II Capital Projects, MTA East Side Access (ESA) and Second Avenue Subway (SAS), New York City, NY - Construction Management Manager on the team tasked with Oversight Procedure 53 - Readiness to Bid Construction Work (OP53). Provided assistance with document retrieval, organizing, and review. (2010 - present)

Portal Bridge Capacity Enhancement, New Jersey Transit (NJT) and Amtrak, Secaucus, NJ - Office Engineer for this over $1 billion multi prime contractor project which is due to get underway shortly. (2010 - present)

Meadowlands Railroad and Roadway Improvement Project, New Jersey Sports and Exposition Authority (NJSEA), New Jersey Transit (NJT) and New Jersey Department of Transportation (NJDOT), East Rutherford, NJ - Office and Contracts Manager on this $211 million multi prime contractor project with alignment through sensitive environmental areas including Superfund sites.

Office Manager responsible for hiring and training office staff, maintaining office and computer network, maintaining all project records, both paper and electronic, logging and distributing all incoming and outgoing correspondence and processing, logging and maintaining all contractor submittals. Also, responsible for compiling and maintaining all project cost records and reporting same on a monthly basis.

Contracts Manager prepare requests for proposals for owner and engineer requested changes, prepare independent estimates, analyze contractor proposals, perform detailed analysis of time and material invoices, consult with Resident Engineers and advise owner, and negotiate with contractors and prepare all documentation required to effect the changes.

Successfully analyzed, negotiated and processed over 100 time and material invoices incorporating over 350 vendor invoices for unanticipated work on a superfund site with a final value of $1.4 million, $200,000 less than the contractor's request. Also maintained and prepared documentation and invoices which allowed the Owner to recover over $3.5 million in cleanup and other costs from the original superfund site owner.

Also, audit contractor invoices for allowance items, review contractor submittal logs for accuracy, maintain insurance certificate and certified payroll files and report all deficiencies to Resident Engineer and prepare notifications to the contractors for all noted deficiencies. (2005 - 2010)

Northeast Corridor Modifications Project - Secaucus Transfer Program, New Jersey Transit, Secaucus, NJ - Contracts Manager on this $610 million multi prime contractor project responsible for preparing requests for proposals for owner and engineer requested change orders, analyzing contractor requested changes and advising owner, preparing independent engineers' estimates for potential change orders, assisting the owner in negotiating change

orders, and preparing records of negotiation meetings for owners' representative's signature. Also maintained historical project cost data, prepared cash flow projections, reviewed and processed contractor payment requests and process, and logged and distributed all incoming and outgoing correspondence.

Successfully tracked, analyzed, negotiated and processed host railroad force account invoices reducing the billings by over one third saving the Owner many millions of dollars. After years of savings, the Owner requested a presentation on our tracking and verification system, and subsequently based on confidence in the system utilized our work to reduce millions of outstanding billings from other projects realizing about one third in savings

Construction Management Site Office Administration Manager responsible for budgeting and cost control of a $6.9 million operating budget. Also responsible for negotiating lease for 18,000 square feet of field office space to support the CM team and owner's field and office personnel for the duration of the project. Also designed the office layout and supervised the build-out of the space. Purchased and supervised installation of a PC-based network with over twenty-five workstations including the implementation of project management and scheduling software and trained personnel in use of the system. Responsible for developing project forms and systems, purchasing, expediting, inventory control, personnel administration and training, and providing support services to the 80-person construction management team including various joint venture partners, subconsultants, and railroad personnel. (1993 - 2005)

Martin Luther King, Jr. Courthouse and Federal Office Building, US General Services Administration (GSA), Newark, NJ - Field Office Manager responsible for the cost control of a $100,000 operating budget on this GSA project. Prepared requests for proposals for owner and engineer requested change orders, analyzed contractor requested changes and advised owner, and prepared independent engineers estimates for potential change orders. Assisted the owner in negotiating change orders and prepared records of the negotiation meeting for the owner's representatives to sign. Maintained historical project cost data and prepared cash flow projections. Reviewed and processed contractor payment requests. Processed, logged and distributed all incoming/outgoing correspondence. Responsible for field office leasing and build-out including three office relocations during the course of the project, design and implementation of computerized document and shop drawing control systems, development of project forms, purchasing, expediting, inventory control, personnel administration and training, and provision of support services for the construction manager and five resident engineers and inspectors. Assisted in inspection of the construction work primarily in the foundation and earthwork areas. (1989 - 1993)

North Jersey Coastline Electrification and Signal Project, New Jersey Transit, Matawan to Long Branch, NJ - Construction Site Office Manager responsible for the budgeting and cost control of a $600,000 operating budget. Developed project forms, purchased, expedited, performed inventory control, trained personnel, and provided support services to the construction manager and five resident engineers. Designed and implemented a document and shop drawing control system and maintained the main office and two satellite offices for field staff. (1985 - 1988)

Various Job Site Offices, Mountain Lakes, NJ - Construction Office Manager responsible for setting up new job site offices, supervised and trained office staff, purchased supplies, expedited materials, controlled inventory, shipped and received materials, and prepared preventive maintenance manual for bulk material handling facilities.

Field Engineer responsible for quality control inspections. Inspected subcontractor's installation work to ensure conformance to plans/specifications. Inspected fabrication shops and equipment being built for the project and prepared as-built drawings depicting field changes. (1980 - 1984)

Sita Mohan, EIT

Contract Administration

URBAN ENGINEERS
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WHY SELECTED

- **17 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- 40 Hour OSHA HAZWOPER Training
- Certification Army Corps of Engineers - Construction Quality

EDUCATION

MS, 1999, New Jersey Institute of Technology , Environmental Engineering

MS, 1993, College of Engineering (University of Kerala - India), Housing

BS, 1991, Government College of Engineering (University of Calicut), Civil Engineering

Diploma in Industrial Pollution & Control, 1995, Annamalai University (India)

RECORD OF PROFESSIONAL EXPERIENCE

Sita Mohan is an engineering professional with over 17 years of experience in the field. A certified Engineer-in-Training (State of New Jersey, 2005); Ms. Mohan has almost 12 yrs of experience in Project Management and Construction Administration. Her expertise includes Project Documentation Control, Estimating and preparation of Change Orders. Ms. Mohan has completed the 40-hour OSHA HAZWOPER Training. Has Excellent Computer and communications skills.

Phase 4 Hoboken Rail & Ferry Terminal Facilities Repair, NJ Transit, Hoboken, NJ

The Phase 4 Project on the Hoboken Terminal Repairs has a Contract cost of $948,000.00. The contract involves the repairs to the roof over the Rail & Ferry terminals and replacement of copper gables. As Assistant Resident Engineer/Office Engineer, main responsibilities include project documentation control, preparation of meeting minutes and review of contractor pay application documents. (2013-Present)

Hoboken Terminal -YMCA Building Roof & Façade Renovation, NJ Transit, Hoboken, NJ

The YMCA Roof & Façade Renovation Project has a Contract cost of $4,129,150.00 including almost $2,000,000.00 of copper installation/repair work. The contract includes the repairing/replacing the copper façade of the YMCA building & roof work. As Assistant Resident Engineer/Office Engineer, main responsibilities include project documentation control, preparation of meeting minutes and review of RFIs/Shop drawings/Submittals , contractor pay application & backup documents. (2013-Present)

Hudson-Bergen Light Rail (HBLR) 2nd St. Station Walkway, NJ Transit, Jersey City-Hoboken, NJ

The HBLR project had a contract cost of $2,597,000.00 and duration of 360 days. The scope of the project included the construction of a 3300 mile of Asphalt/Concrete Walkway equipped with fencing, lighting, CCTV, Landscaping etc from the west end of the 2nd St. Light Rail Station in Hoboken to a future development site which is currently vacant (Previously Van Leer Chocolate Factory site) in Jersey City. In the role of the Assistant Resident Engineer/Office Engineer, main responsibilities included project documentation control, preparation of meeting minutes and review of RFIs/Shop drawings/Submittals , contractor pay application & backup documents. Also was involved in site supervision as required. (2013-2014)

Lower Hack Bridge Rehabilitation Project, NJ Transit, Jersey City, NJ.

The Lower Hack Bridge is a 3-Track NJ Transit Railroad Bridge over the Hackensack River. This is the second phase of the project with a contract cost of approximately $14.8 million. The scope of the project includes under-deck repairs of the approach slabs, repairs of the concrete piers, parapet walls, concrete slab and waterproofing, track & ballast removal and also repairs to the structural steel members in the lift and tower span. As Assistant Resident Engineer/Office Engineer, responsibilities include project documentation control, preparation of meeting minutes and review of contractor pay application & backup documents. (2010-2013)

Metropark Platform Reconstruction Project, Metropark Station, New Jersey Transit, Iselin, NJ
Metropark Station is situated on the Northeast Corridor of NJ Transit Railroad System. It is served by both Amtrak and NJ Transit Rail systems. The Contract value was $29.8 million. The project scope included the reconstruction and extension of both the existing east bound & west bound platforms, improvements to the station building, installation of climate controlled waiting shelters, reconstruction of existing elevator, installation of a new elevator with access to the east bound platform and improved access to the station platforms from Rt. 27 for commuters. As Assistant Construction Manager, main responsibilities besides assisting the Construction Manager included Documentation Control, Preparation of Meeting Minutes, Maintenance of Submittal, RFI & NPC Logs, Review Pay Applications, Processing NPCs, and Site supervision. (2009-2010)

Newark Drawbridge and Approach Structures Rehabilitation, NJ Transit, Newark/Harrison, NJ
The Newark Drawbridge is a NJ Transit Railroad Bridge over the Passaic River, MP 5.8 and located adjacent to Newark Broad St Station, Newark, NJ. The Project Contract was approximately $23 million. The scope of construction included rehabilitation of the structural and mechanical components of the bridge & its operating system, substructure concrete repairs and repairs to the existing fender system in the navigation channel. Responsibilities as Office Engineer included the following, Documentation Control, Preparation of Meeting Minutes, and Maintenance of Submittal & RFI Logs. (2008-2009)

The Capacity Constraint Relief and Historic/ADA Improvements Project at Newark Broad St. Station, NJ Transit, Newark, NJ.
Newark Broad St Station is a major historic station located in Newark, NJ. The improvements were made to make the station compatible with the American with Disability Act (ADA). The contract value was approximately $58 million. The project scope included the construction of a new center island high-level Platform, a new eastbound high-level platform, reconstruction of Martin Luther King, University Avenue & Broad St railroad bridges, installation of new elevators, stairs and rehabilitation of the main station building. Main responsibilities as Office Engineer included Documentation Control, Preparation of Meeting Minutes, Communicating with Consultants & the Contractor on Submittal Management, RFIs & Mock-up related issues, Maintenance of Submittal & RFI Logs, Preparing and negotiating Change Orders, Site work (2006-2009).

Estimation of Change Orders on various mentor and emergency projects in the 5 Boroughs, NYC School Construction Authority, New York, NY
As Assistant Estimator, main responsibilities included assisting the Chief estimator in the following areas: - Processing & Preparation of Change Orders using Expedition Primavera; Communicating with Contractors & Subcontractors on the various aspects of Change orders; Negotiating Change Orders with Contractors; Preparing all necessary documentation for Change orders & obtain SCA approval; Performing all necessary tasks to complete Change Order processing; Maintaining & preparing logs and reports on status of Change Orders; Communicating with suppliers & vendors to obtain pricing on materials for estimating; and Estimating and conducting Quantity Take-offs on various construction projects mainly for Bidding purposes (TDX Construction Corp., NY 2004-2006).

Improvement of Newark Pennsylvania Station, New Jersey Transit, Newark, NJ
The project mostly involved construction work for station renovation, installation of wastewater facilities, fencing Transit property, Punch List work etc. Main responsibilities as Project Engineer included assisting the Project Manager & Quality Control Manager in the following tasks: Preparation of Change Orders and cost proposals; Preparation of quantity take-offs; Procurement of materials and man power; Negotiation of subcontracts; Supervision and assistance in the preparation of Submittals based on Contract Specifications and Drawings; Preparation and maintenance of Submittal and RFI Logs; Verification, review and submission of Submittals, Shop Drawings, As-built drawings etc; Maintenance and documentation of Daily Construction Reports; Review of subcontractor progress payment request; Preparation of payment requisition; and Preparation of O & M Manuals. (Volmar Services Inc., NY, 2002-2004)

Various Job Order Contracts for New York City Transit Authority, New York, NY
The project mostly involved construction work for station renovation, installation of wastewater facilities, fencing Transit property, Punch List work etc. Main responsibilities as Project Engineer included assisting the Project Manager & Quality Control Manager in the following tasks: Preparation of Change Orders and cost proposals; Preparation of quantity take-offs; Procurement of materials and man power; Negotiation of subcontracts; Supervision and assistance in the preparation of Submittals based on Contract Specifications and Drawings; Preparation and maintenance of Submittal and RFI Logs; Verification, review and submission of Submittals, Shop Drawings, As-built drawings etc; Maintenance and documentation of Daily Construction Reports; Review of subcontractor progress payment request; Preparation of payment requisition; and Preparation of O & M Manuals. (Volmar Services Inc., NY, 2002-2004)

Steve Mathew Contract Administration

URBAN ENGINEERS
Formulating Excellence

WHY SELECTED

9 years of professional experience

REGISTRATIONS/ MEMBERSHIPS

EDUCATION

- Manhattan College, Riverdale, NY, BS - Civil Engineering
- Saint Thomas Aquinas College, Sparkill, NY, BS - Mathematics

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Mathew's experience as an Engineer entails a high level of detail and accuracy in various aspects of construction, as an Inspector or an Office Engineer. He is a team player, who is successful at establishing rapport with contractors, clients. He is capable of adapting to the sometimes fast-paced nature of certain projects, and is calm under pressure. Mr. Mathew's experience includes the following:

Interim Project Management Support for Projects Related to Superstorm Sandy, Port Authority Trans-Hudson Corporation, Jersey City, NJ – Communications Coordinator who assisted PATH in developing a Project Management Plan for all projects that require restoration due to the events of Superstorm Sandy. Conducted meetings with various managers for the understanding of policies across departments, then collected, compiled, and organized this information to complete the plan, which is required for funding by the Federal Transit Administration for Sandy-relief projects. Prepared reports and meeting minutes. (2013 – Present)

Robert F. Kennedy Bridge Utility Relocation, MTA Bridges & Tunnels, New York, NY – Office Engineer who oversaw the day-to-day functions of the field office on a utility-relocation project on Randall's Island, in New York City. Prepared all reports, including meeting minutes and monthly progress reports. Organized all files. Maintained communication with all personnel, including the contractor, subcontractors, and client. Evaluated payment requisitions. (2013)

Repaving and Debris Removal, MTA Bridges & Tunnels, New York City – Inspector who presided over work performed at the Throgs Neck Bridge (repaving) and on the Verrazano-Narrows Bridge (debris removal). Observed and documented actions taken by the Contractor, as well as site conditions prior to work performed and after work was completed. Communicated with Contractor and Project Engineer on project issues and progress. Prepared daily reports. (2012)

Throgs Neck Bridge Steel Repairs, MTA Bridges & Tunnels, Bronx, NY – Assistant Office Enginer who assisted staff on creation of database of all steel repairs to be performed on the Throgs Neck Bridge in the Bronx, NY. Populated database with repair details, and added and updated repair locations as new issues arose. Programmed spreadsheets to automatically generate reports. (2011 – 2012)

Lane Striping, New York State Thruway Authority, Westchester, Rockland, Orange, and Ulster Counties, NY – Inspector who presided over work performed by the Contractor on a new and experimental procedure designed by the Thruway Authority. Maintained a chronology of events onsite, and maintained constant communication with the Project Engineer and the Contractor. Conducted measurements and collected samples of items installed by the Contractor. Conducted cost analyses and produced estimates. Prepared reports using the New York State DOT's CEES program (Computerized Engineer's Estimate System) and spreadsheets. (2011 – 2012)

Logistics Planning, Port Authority Trans-Hudson Corporation, Jersey City, NJ – Project Engineer who assisted PATH in developing and implementing new management processes and procedures focused on long- range planning and scheduling of all PATH facility forces, including meeting equipment needs as well as track rights to support the Capital Program, and planning ongoing system

repair and maintenance work and various other construction activities. Evaluated proposed changes to project schedules for their impact on other planned work and on available and planned resources. Managed the acquisition of data regarding actual performance of work and utilization of resources for comparison against original plans and schedules. (2009 – 2010)

Yankee Stadium City Work, New York City Economic Development Corporation, Bronx, NY – Office Engineer who coordinated, scheduled, and presided over meetings and site walkthroughs with contractors, agencies, and utility companies. Prepared meetings minutes, and maintained communication with contractors, agencies and utility companies. Reviewed drawings and documents. Maintained and organized files. Evaluated payment requisitions from contractors for submission to city agencies. Prepared reports. (2007 – 2009)

Assorted Projects, GEA Engineering, Nanuet, NY – Staff Engineer who performed calculations and worked on drawings on various projects. Prepared reports. Performed fieldwork, including topographical surveys, percolation tests, and sampling. Maintained contact with clients and contractors. (2006 – 2007)

Douglas Chin

Compliance Monitoring

URBAN ENGINEERS
Formulating Excellence®

WHY SELECTED

- **3 years of professional experience**
- **Compliance experience from working on One World Trade Center (Freedom Tower)**
- **Experience working with law enforcement**

REGISTRATIONS/ MEMBERSHIPS:

- Associate member of the Association of Certified Fraud Examiners
- Member of the National Association of Inspector Generals
- Member of the New York – New Jersey Chapter of the Association of Inspector Generals
- Pi Alpha Alpha Public Administration Honor Society
- Phi Beta Kappa Honor Society

EDUCATION:

- M.A., 2012, CUNY John Jay College of Criminal Justice, Public Administration
- B.A., 2009, SUNY Binghamton, Sociology

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Chin holds a Master's degree with experience in compliance monitoring, labor investigations, and background checks on construction projects. He works as a consultant with the Port Authority of New York and New Jersey Office of the Inspector General to oversee the construction of One World Trade Center, a ($4 billon plus project) for overseeing integrity related fraud, waste, abuse, and misconduct. Mr. Chin has reviewed certified payrolls, wage schedules, and Collective Bargaining Agreements in accordance with the Davis-Bacon Act and New York State Labor Laws. Mr. Chin's experience includes:

One World Trade Center Integrity Monitoring – Analyzes certified payrolls, attendance records, wage rates, union records, contracts, checks, and paystubs for wage, benefit, classification, and labor violations. Maintains electronic records and organized files including documents needed for evidence and litigation. Works and coordinates with attorneys, investigators, and forensic accountants in related investigations, including cases referred to prosecution. Assists in additional audits and investigations as needed.

City University of New York (CUNY) – Performed prevailing wage investigations and background checks for the Facilities Planning Construction Management of CUNY. Received and investigated allegations. Conducted site visits and interviewed workers. Background checks consisted of checking for criminal misconduct, verification of licensing and certifications, debarments, safety violations, liens, tax warrants, and outstanding debts. Wrote reports and summary of findings.

City of Binghamton Economic Development Office – Contacted and surveyed businesses in triple cities (Binghamton, Johnson City, Endicott New York) area. Designed and composed the first edition of the Green Resource Guide. Pioneered the program succession plan.

Moses J. Gaster, EIT, CEP

Estimator

URBAN ENGINEERS
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WHY SELECTED

- **15 years of professional experience**

REGISTRATIONS/ MEMBERSHIPS

- Engineer in Training PA
- Certified Estimating Professional
- Med-Tex Refiner's Traininbg Process Safety Mgmt
- TWIC Card

EDUCATION

BS, 1999, Penn State University , Civil Engineering

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Gaster is an estimator with experience in a wide variety of construction fields, projects, and responsibilities. He has experience estimating industrial projects up to $1 billion, including coal, natural gas, and geothermal power plants and water treatment facilities. His responsibilities have included field engineer, estimator, scheduler, and cost engineer for construction contracting firms on large design-build projects.

Blanket Purchase Agreement for Cost Estimating Services, General Services Administration, Region 3 - Estimator for continuing, open-ended assignment, including plan development for conceptual through final design and construction costs ranging from $200,000 to $20 million. These have included interior and exterior renovations, new construction, and security enhancements throughout the full range of CSI divisions. Facilities users include US Marshals, FEMA, FBI, IRS, NARA, SSA, FBI, federal and state courts, and Immigration.

Student Housing, Rutgers University, Camden, NJ - Cost Engineer for construction manager, Joseph Jingoli & Son, Inc. (JJS). on fast-paced project to complete a 12-story student apartment building before the Rutgers fall semester furniture move-in date. Provided change order/claims management, review, tracking, and reporting for the prime contact and all subcontracts in order to minimize the project cost without delaying the schedule delivery dates.

Data Center Expansion/Renovation, Nomura Securities International, Inc., Piscataway, NJ - Cost Engineer for design-build construction manager, JJS, on fast-paced project to upgrade/expand existing operating data center facility in order to meet the client's deadlines (two phases). Provided claims management of all subcontracts and change order management of the prime contract.

Security Upgrades, Exelon, Pottstown, PA - Cost Engineer for design-build general contractor, JJS, on fast-paced project to implement security changes to existing nuclear power plants in order to meet government audit deadlines: Limerick, Peach Bottom, and Oyster Creek. Provided daily cost tracking. Projections, and change management in order to keep the project within budget.

Senior Estimator, O'Brien & Gere Inc., Blue Bell, PA - Provided in-house estimates of environmental, reservoir, utility, and water treatment projects at various design levels in order to manage the client's needs vs. budget. Priced and compared construction options to assist design decisions.

Scheduler, O'Brien & Gere Inc., Blue Bell, PA - Provided in-house schedule baselines, analyses, and updates for conceptual designs and construction projects.

Walter Scott, Jr. Energy Center Unit #3 Upgrade, MidAmerican Energy, Council Bluffs, IA - Scheduler for $181 million design/build Kiewit/Burns (Kiewit) & McDonnell joint venture to upgrade an existing coal power plant's air emissions scrubbing equipment in order to meet new EPA requirements. Provided client with approved baseline schedule and progress updates integrated with monthly cost reporting/tracking. Coordinate/integrate designer's, general contractor's, and major equipment supplier's schedules.

New Ethanol Plants, Fagen Engineering, LLC, Rochell & Pekin, IL, and Rensselaer, IN - Scheduler for general contractor, Kiewit, building three new ethanol plants simultaneously in three different locations. Provided on-site schedule updates and facilitated communication of schedule issues and resolutions

among projects.

Estimator, Kiewit Power Constructors Co., Overland Park, KS - Worked as part of the company's industrial power plant estimating team to provide the civil, concrete, and piping discipline estimate for each power plant estimate: coal, natural gas, geothermal, and emissions projects. Design/build lump sum projects were competitively bid using analysis of previous project cost data, conceptual planning, and working closely with the designers.

Ultra-Low Sulfur Diesel Unit, Flint Hills Resources, Pine Bend Refinery, Rosemount, MN - Field Engineer/Cost Engineer for Kiewit on above-ground structural/mechanical contract portion of new unit built within operating refinery. Responsibilities included safety and quality inspection, cost tracking, analysis and reporting, RFIs, work plans, and verification.

Carville Energy Center, St. Gabriel, LA - Field Engineer/Subcontracts Administrator for design/build Kiewit/Bibb & Associates joint venture building, a 500MW combined cycle natural gas cogeneration facility on a green-field site. Responsibilities included safety and quality inspection, schedule and cost tracking and reporting, RFIs, subcontract requisition, coordination, change order management, and closeout.

Level 3 Communications, Nationwide Fiber Optic Network, Baltimore, MD Area - Field Engineer for nationwide, fast-track, design/build Kiewit/Parsons joint venture project to construct underground cross-country fiber optic cable and major city gateway distribution facilities. Responsibilities included utility coordination, as-built drawings, documentation, reporting, and testing.

Estimating

- Constructability review to determine scope of work with design team to bring project within budget by making suitable recommendations and exploring alternatives.
- Accurately complete estimates that require a quick turnaround time after scope of work evolves during conceptual phase in order to meet the project's initial pricing deadlines.
- Organize and de-scope competitive subcontract bid packages and maintain historical pricing and man-hour records.

Cost Engineer

- Maintain project cost tracking, reporting, and projections: general conditions, direct work, contingency, fee, and profit.
- Thoroughly investigate subcontract change proposals: labor, equipment, & material rates, verify the origin of change vs. original scope of work, and perform check estimates or get comparative pricing.
- Prepare owner change request proposals, track and report the status of project change management, and maintain records for future auditing.
- Verify and present detailed schedule of values, monthly progress, and invoices for owner approval.

Scheduling

- Build owner approved estimate level baseline including all procurement, continue to refine schedule as more information becomes available, and accurately update comparing variance to baseline using Primavera Software: Versions 3, 5, and 6.
- Anticipate delays and mitigate overall impact on construction schedule by working closely with project team to expedite and properly sequence design, fabrication, and construction.
- Identify and demonstrate impact on multiple projects due to manufacturer production delays using critical path analysis and ensure delivery delays do not prevent the project from meeting its deadlines.

Alan Pizzi, PE, PLS, CCE

Cost Estimating Practice Leader

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WHY SELECTED

- **40 years of professional experience**
- **Cost Estimator for heavy heavy construction contractors**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer PA
- Professional Land Surveyor PA
- General Contractor License Certification VA
- Certified Cost Engineer
- American Society of Highway Engineers - Past President
- Association for the Advancement of Cost Engineering - Member
- Design-Build Institute of America - Member

EDUCATION

- BA, 1981, Eastern University, Business Administration
- Civil Engineering Courses, 1974, Drexel University
- Certificate, 2005, Dale Carnegie Course
- Certificate, 2006, Urban Engineers, Inc., Project Management Training

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Pizzi has extensive experience with the cost estimating, engineering, management, and claims resolution for public and private sector construction projects. His project experience includes transportation (highway, railroad, subway, bridge, and airport), water and sewage treatment, pollution mitigation (containment structures in petroleum refineries), dam/ hydroelectric, and industrial. He has held the position of Chief or Senior Cost Estimator for three major heavy construction contractors operating nationwide: Allan A. Myers (highways, bridges, and treatment plants); Buckley Co., (highways, bridges, transit, subways, and airports); and The Conduit and Foundation Corp. (highways, bridges, transit, subways, airports, treatment plants, dams/hydroelectric, and industrial projects). Mr. Pizzi serves on the faculty of the Pennsylvania State University and Drexel University, where he teaches construction estimating. He also served as President of the American Society of Highway Engineers, Delaware Valley Section. Mr. Pizzi's experience includes:

Second Avenue Subway Project, New York City, MTA (owner) - As part of Urban Engineers, Inc. role as the Project Management Oversight Contractor for the Federal Transit Administration, Mr. Pizzi performed a detailed review of the MTA's $3.8 billion cost estimate for Phase 1 of the project, using preliminary engineering documents. The estimate included tunneling in hard rock using TBM equipment, shoring of existing facilities using "secant pile" method, drill and blast rock excavation, and station finishes / systems. Also was part of the team which performed a **risk assessment** of the total project budget and schedule.

Integrity Monitor for Freedom Tower Project - World Trade Center Site, NY, NY (Port Authority of NY & NJ - owner) - Selected as "Cost Engineer" as part of Urban Engineers, Inc. role on the Integrity Monitoring team known as Fortress Monitoring Group.

Cost Estimating Projects:

South Bronx Greenway, Produce Market Fence Project - New York City Economic Development Corp. (client) - As part of Urban Engineers, Inc. role as Construction Manager, performed a detailed cost estimate for this $4.2 Million project whose main feature is a caisson-supported pre-cast concrete wall.

GSA Open Ended Cost Estimating assignment - Courtroom Renovation Project, Harrisburg, PA - Conceptual Cost Estimate VA Data Center New Power Feed System, Philadelphia, PA - Design/Build Cost Estimate

Sullivan County Bus Garage - Sullivan County, NY (client) - as part of Urban's role as construction manager, performed a detailed cost estimate for this 11,000 sf, $2.6 million facility, including sitework, foundations, structural, architectural, mechanical, and electrical components.

SugarHouse Casino on the Delaware River - marine bulkhead, floating docks, floating breakwater, riverside high deck, and vehicle access structures - As part of Urban Engineers, Inc. role as project designer, performed a detailed estimate for 3,500-feet of anchored steel sheet pile bulkhead, 22,000 SF of marine deck structure, and 400-feet of vehicle access bridge structure. The value of this work is approximately $20 million.

Dock Extension (750 feet), Fairless Hills, PA, Delaware River, US Steel (owner) - As part of Urban Engineers, Inc. role as project designer, performed a detailed cost estimate of five dock extension options whose value ranged between $11 million and $20 million. These options included installation of sheet pile cells and pipe pile-supported concrete (precast and cast-in-place) platforms and seawalls, with tied-back sheet pile cutoff walls.

University Link Light Rail Project, Seattle Sound Transit (owner) - As part of Urban Engineers, Inc. role in performance of a **risk assessment** of the total project budget and schedule for the Federal Transit Administration, performed a detailed review of Sound Transit's $1.5 billion cost estimate for this phase of the Link Light Rail Project, using preliminary engineering documents. The estimate included tunneling in soft ground using TBM equipment, shoring of existing facilities using "secant pile" method, and station finishes/systems.

Southern Beltway Project, US Rt. 22 to I-79, PA Turnpike Commission (owner) - Performed an *independent cost validation* of the FEIS estimate, as required by the FHWA for "major projects". This $600 million project is 13 miles of limited access highway in Allegheny County, Pennsylvania, and includes 20 bridges, multiple box culverts, mainline and ramp toll collection facilities, and a major interchange at I-79.

Project Management Experience:

Cooling Water Pipeline and Storage Tank, Limerick Nuclear Power Plant, Philadelphia Electric Company (owner) - Project Field Manager in charge of overall construction, scheduling, and budget. This project involved construction of a supplemental cooling water supply system including an eight mile long, 36" diameter ductile iron pipeline and a 1.5 million gallon steel storage tank. Deep rock excavation, utilizing drill and blast methods, were integral to the construction process. The entire system was pressure tested in a single operation.

Dundee Dam Rehabilitation and Hydroelectric Project, American Hydropower Inc. - Clifton, NJ - Project Manager and civil designer of the project, in charge of FERC, U.S. Army Corps of Engineers, state and local permitting, dam safety analysis, HEC dam-break analysis, and hydraulic studies including historic river flows, energy and head-loss calculations. Construction management included material and equipment purchasing, project scheduling and start-up. This project involved rehabilitation of a 500' long, 15' high dam across the Passaic River, and the retrofit to install 11 turbine-generators to produce 2 MW of electrical power.

I-95 Emergency Bridge Replacement - Tanker Truck Fire, PennDOT, Chester, PA - Construction Manager in charge of schedule coordination and emergency procurements of structural steel (plate girders fabricated and delivered in four weeks), precast concrete barrier, reinforcing steel, and stay-in place deck forms. This emergency construction contract was awarded to Buckley Co. based on previous performance on an I-95 fire damage contract. It involved the demolition and replacement of a 300' long section of bridge deck severely damaged by an oil tanker truck fire.

I-95 Center City Access Project, PennDOT, Philadelphia, PA - Project Engineer in charge of schedule oversight, coordination of all fabrication submittals and deliveries, redesign of foundations at out-of tolerance bearing piles, design of concrete formwork/falsework, and design of temporary shoring for earth retention, preparation of contractor-changed Traffic Control Plans for staged construction, bridge deck placement and deflection calculations, claims preparation and negotiation, and all other aspects of construction engineering solutions. The project involved reconstruction of the I-95 Expressway to provide on and off ramps in the vicinity of Penn's Landing at the Delaware River. Major structures included a "slide-under" southbound ramp with 8' thick base slabs to counteract uplift, a new curved girder northbound bridge over the ramp, a multi-span off ramp to Washington Ave., a 40' deep pumping station, and a new bridge carrying Walnut St over the I-95 Expressway and Delaware Ave. The project included an Incentive/Disincentive payment/penalty of $30,000. per calendar day.

Burton G. Kohlman, PSP

Senior Scheduling Engineer

URBAN ENGINEERS
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WHY SELECTED

- **Scheduling Expert**
- **Risk Specialist**
- **35 Years of Experience**

REGISTRATIONS/ MEMBERSHIPS

- OSHA 40 Hour Hazardous Waste Operations
- Emergency Response Training
- OSHA 8 Hour Refresher Course
- AACE Planning & Scheduling Professional
- American Society of Highway Engineers
- American Society of Civil Engineers
- Articles Published - Scheduling, Delay Claims, & Litigation for Pennsylvania Bar Association, Construction Litigation Committee, 1990

EDUCATION

BS, 1979, Drexel University, Civil Engineering

Certificate, 1997, Dale Carnegie Course

RECORD OF PROFESSIONAL EXPERIENCE

As Vice President of Urban Engineers Mr. Kohlman is a certified Planning and Scheduling Professional (PSP), and provides direction, guidance, and training for Urban's Construction Services Practice on scheduling, cost control, and project administration. Through his career of over 35 years he has experience from working on major airport, highway, marine, bridge, railroad structure, transit, and building projects. In addition he has worked on site layouts for heavy construction, and provided project coordination between government agencies and private industry on multi-phase projects.

As part of the Federal Transit Administration's (FTA) continuing oversight of transit mega projects, Mr. Kohlman has been involved in all aspects of risk assessments and mitigation planning for numerous transit agencies. Quantitative risk assessment requires calculations of two components of risk the magnitude of the potential effect, and the probability that it will occur. On behalf of the FTA he has been part of a facilitation team that investigates, evaluates and assembles risk profiles for specific project approaches and agency capabilities. The potential vulnerabilities and threats, once exposed and evaluated, can be addressed with the most effective resolution that meets the project's goals.

He uses specific risk modeling techniques such as Monte Carlo Analysis and proprietary methods to determine probabilistic outcomes. Specific risk items can then be targeted for mitigation strategies which help to reduce the risk. Megaprojects have been shown to be particularly risky in terms of finance, safety, and social and environmental impacts. The risk assessment process provides management with the best understanding of near and long term threats and provides a forum to develop alternate methods to handle those risks.

Metropolitan Transit Authority (MTA), Federal Transit Administration, New York, NY - Project Schedule Engineer and Risk Assessment manager responsible for evaluating the grantee's project controls methodology. Services include in-depth analysis and schedule characterization for integrated contracts leading to new transit services. He conducted monthly reviews of schedule updates and meetings with the MTA to discuss status, trends, and alternate approaches to the program. He led several schedule risk assessment evaluations, documenting potential risks and their time and cost implications and assessing the effectiveness of mitigation measures documented in reports. This was done on both projects utilizing Oracle Primavera Risk Analysis statistical methods and probabilities to arrive at ranges of costs and completion dates. Assignments included document review and characterization; risk identification workshops; risk model development; analysis of results; and documentation. The results are used to develop a management plan with contingency reserves. These services are used on two MTA projects. **East Side Access (ESA)** is a $8.3 billion new alignment for Long Island Rail Road that begins at the Harold Interlocking in Queens and runs under the East River to a new terminal station situated under Grand Central Station with eight tracks. The work involves two 22' diameter tunnel boring machines, drilling and blasting caverns, track, systems, station mezzanine, platforms, and entrances. **Second Avenue Subway (SAS)** is a $3.3 billion new subway line under Second Avenue. This work is the first of a four phase program that provides service from 96th Street to 63rd Street. The work involves two 22' diameter tunnel boring machines, drilling and blasting caverns, track, systems, three stations, platforms, and entrances. Ongoing

Integrity Monitor, Freedom Tower (1WTC) New York City, NY - Project Schedule Engineer on an integrity monitoring assignment responsible for

evaluating the project controls methodology. Services include conducting schedule risk assessment evaluations, documenting potential risks and their time and cost implications for reporting to the Inspector General. This is done utilizing state-of-the-art software and statistical methods and probabilities. The results are used to analyze progress and develop contingency or alternate plans. The effort supplements the search for waste, fraud, and abuse that may be systemic to the construction industry and the evaluations, reports, and analyses are forwarded to the NYNJPA Inspector General. He also performs in-depth analysis and schedule characterization for integrated contracts leading to new 1,776-foot, high rise tower at the World Trade Center site. He conducts monthly reviews of schedule updates and meetings with the contractor to discuss status, trends, and alternate approaches to the work. Participate in claim evaluations and negotiation sessions.

Urban is a joint venture partner of the Fortress Monitoring Group (FMG), which brings together professional personnel recognized for their engineering, forensic auditing, investigative, and legal abilities and experience. Urban's personnel constitute FMG's Forensic Auditing Division. FMG's purpose is to prevent fraud, waste, and abuse and/or corruption; to detect it; and, if detected, to coordinate with the Inspector General on definitive and effective actions to be taken. The key points of this assignment are: Integrity Monitoring, Risk Assessment, Constructability Reviews, Construction Monitoring

Driscoll Bridge, New Jersey Highway Authority, Perth Amboy, NJ - Served as Scheduling Engineer for widening the Driscoll Bridge, which involved demolishing the existing Driscoll Bridge fender system; partially demolishing its abutments; and constructing a new bridge to carry the proposed southbound roadway over the Raritan River. Work included foundation excavation; constructing pipe pile and drilled shaft foundations; and constructing reinforced concrete footings, abutment, and wingwalls. Also included constructing reinforced and post-tensioned concrete piers; mechanically stabilized earthwalls; and erecting and constructing the bridge superstructure. The overall length of the proposed bridge is approximately 4,380 feet and the overall width is 96 feet. The construction cost was $85 million. The second project, Driscoll Bridge Widening, Approaches, and Miscellaneous Structures Project, involved improving the bridge's approach roadway. This included constructing retaining walls and sign support structures; widening the two bridges carrying the Garden State Parkway over local roads; and constructing roadway pavement, curbing, drainage, earthwork, highway lighting, and other miscellaneous work. The construction cost for this project was $23 million. Responsibilities included reviewing and commenting on contractor's baseline construction schedule, monthly updates for each contract, participating in job meetings, claims avoidance, and negotiation assistance. The construction cost of this facility was approximately $180 million.

Master Plan Review Philadelphia International Airport, City of Philadelphia, Division of Aviation, Philadelphia, PA - Reviewed, analyzed, and prepared comments on the three alternate master plan schemes under consideration for the airport. Under consideration are runway and taxiway realignments as well as passenger handling and amenities. Conducted preliminary constructability analyses of the alternates. As a continuing effort, a master construction coordination analysis for ongoing projects was conducted. It included an annual review of construction conflicts with operational objectives and is used by airport management to prepare operational mitigations.

Project Management Oversight, Utah Transit Authority, University Avenue Line, Salt Lake City, UT – Lead Schedule Engineer for oversight services to perform a special investigation of a design/build project that was a new LRT extension from downtown to the site of the opening and closing ceremonies for the Olympics. Conducted a site visit and interviewed project participants to assess the grantee's capability and capacity (TCC). This initial review and follow-up review was conducted to determine if the grantee would be able to complete the project within the timeframe required to open service for the 2002 Winter Olympics. A detailed review of schedule, scope of work, budget, and possible constraints was performed and recommendations were provided. It opened on time and within budget on December 15, 2001 as projected.

University Link Light Rail Project, Central Puget Sound Regional Transit Authority, Seattle Washington - Project Schedule Engineer on a Risk Assessment team responsible for evaluating the grantee's project controls methodology. Services include in-depth analysis and schedule characterization for integrated contracts leading to new transit services in Seattle. Provided a pre-FFGA risk assessment and report on 7.2-mile light rail sub-surface segment connecting the Northgate Urban Center, through the Roosevelt area, the University District, and Capitol Hill to the Initial Segment in downtown Seattle. Provided analysis of the Civil, Architectural, Trackwork, Vehicle and System packages possess a level of definition and clarity. Conducted contract packaging reviews and cost and schedule sampling for consistency with the project scope. Participated in workshops and breakout sessions to obtain optimal schedule parameters for evaluation and incorporation into the risk assessment.

Sean T. Duffy, PE

Scheduling Construction Engineer

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WHY SELECTED

- **19 years of professional experience**
- **CPM scheduling, cost & claims experience**

REGISTRATIONS/ MEMBERSHIPS

- Professional Engineer PA
- OSHA 30 Hour

EDUCATION

BS, 1994, University of Pittsburgh, Civil Engineering Technology

MBA, 2008, Drexel University, Administration

RECORD OF PROFESSIONAL EXPERIENCE

Mr. Duffy is a Construction Engineer and critical path method (CPM) Scheduler working in Urban's Construction Management Support Services Division. Mr. Duffy provides "as-needed" CPM scheduling and construction engineering services for numerous heavy and highway transportation projects in Pennsylvania and the surrounding region. He has been recognized for project leadership; strong analytical skills; strategic thinking; ability to develop schedules, budgets, negotiate change orders, and control costs; and provide effective interface among numerous disciplines. Mr. Duffy's experience includes:

SR 322 Chester Access Ramps, Pennsylvania Department of Transportation (PennDOT), District 6-0 - CPM Schedule Engineer providing "as-needed" construction management support services for this $71 million project. Mr. Duffy monitors and maintains a CPM schedule for the project in conjunction with the contract documents and the contractor's submitted CPM schedule and reviews all CPM schedule updates for the Department. Urban was recently brought onto the project to implement a project control system to document, monitor, evaluate, and resolve all related issues, including scheduling, field construction problems, engineering design problems, community and public concerns, contractors submissions, and contractor's claims for additional time and costs. Mr. Duffy reviews, comments, and makes recommendations concerning all CPM scheduling issues on the project and prepares correspondence for the District's Assistant Construction Engineer on schedule-related issues. 2009-Present

SR 168, B05 Shippingport Bridge, Beaver County, Pennsylvania Department of Transportation, (PennDOT), District 11-0 - CPM Schedule Engineer providing "as-needed" construction management support services for this $19.8 million project. Urban supports the District's Assistant Construction Engineer in documenting, monitoring, evaluating, and resolving all scheduling concerns, field construction problems, engineering design problems, community and public concerns, contractor's submissions, and contractor's claims for additional time and costs. Mr. Duffy participated in a schedule workshop to assist the contractor in developing a schedule that meets all contract requirements, reviewed and commented on the contractor's baseline CPM schedule, and prepares correspondence for the Department's Assistant Construction Engineer on all schedule-related issues. 2008-Present

East Side Access, Program Oversight and Project Controls, Federal Transit Administration, New York, NY - The project is a 3.5-mile commuter rail extension of the Long Island Rail Road (LIRR) service from Sunnyside, Queens to Grand Central Terminal (GCT), Manhattan, utilizing the existing 63rd Street Tunnel under the East River and new tunnels in Manhattan and Queens, including new power and ventilation facilities. The project includes a new eight-track terminal constructed below the existing GCT and new surface rail yard in Queens for daytime rail storage. The project will procure 160 new electric rail cars. Ridership forecast is 160,000 daily riders (27,300 new riders) in 2020. Mr. Duffy's responsibilities include assessing risk, analyzing cost and schedule, and evaluating management practices of the Metropolitan Transportation Authority.

Second Avenue Subway, Program Oversight and Project Controls, Federal Transit Administration, New York, NY - The Second Avenue Subway project will include a two-track line along Second Avenue from 125th Street to the Financial District in Lower Manhattan. It will also include a connection from Second Avenue through the 63rd Street tunnel to existing tracks for service to West Midtown and Brooklyn. A total of 16 new ADA-accessible stations will be constructed. The Second Avenue Subway will reduce overcrowding and delays on the Lexington Avenue line, improving travel for both city and suburban commuters, and provide better access to mass transit for residents of the far West Side of Manhattan. Stations will have a combination of escalators, stairs, and, in compliance with the Americans with Disabilities Act, elevator connections from street-level to station mezzanine and from mezzanine to platforms. Mr. Duffy's responsibilities include assessing risk, analyzing cost and schedule, and evaluating management practices of the Metropolitan Transportation Authority.

Metropark Train Station Rehabilitation, New Jersey Transit, Iselin, NJ - The project entailed phased reconstruction of Metropark Station located on Amtrak's Northeast Corridor (NEC). Construction cost is approximately $30 million. The scope of work includes phased reconstruction of platforms and canopies, while maintaining service to the NEC's New Jersey Transit's busiest station. Construction also includes installation of a state-of-the-art information services system, elevator rehabilitation, installation of a temporary ticket office to permit expansion of the existing ticket office, and installation of bus operation facilities. Work is progressed while maintaining Amtrak, New Jersey Transit (NJT), and freight operations. Mr. Duffy's responsibilities include performing baseline and monthly reviews of contractor's CPM schedule. Mr. Duffy successfully negotiated time extensions, change order work, and extended overhead costs for NJT, and effectively integrated contractor's schedule with ancillary construction and maintenance activities to minimize Amtrak and NJT disruptions.

Commodore Barry Bridge Access Ramp Construction, Pennsylvania Department of Transportation, Chester, PA - Performed baseline and monthly reviews of contractor's CPM schedule.

New Haven Rail Yard Fueling Facility Improvements, Connecticut Department of Transportation, New Haven, CT - Performed baseline and monthly reviews of contractor's CPM schedule.

Pennsylvania Turnpike Widening Project, Valley Forge, PA ($158 million project) - Assistant Project Manager/Scheduler led crews of up to 25 foremen, carpenters, operators, and laborers that delivered Phase 1 Interchange within time and budget. Utilized lean production systems that yielded a 7% decrease in costs, netting $100,000 savings. Developed, maintained, and analyzed a 3,500 activity Critical Path Method schedule that was utilized by the project team to effectively construct the project. Trained and mentored two junior engineers who were quickly promoted to project engineers.

Cool Springs Reservoir Project, Wilmington, DE ($18 million project) - Managed two concrete crews that exceeded estimated productions rates yielding $125,000 by standardizing forming procedures. Resulted in continuous efficiencies and increased quality control.
Developed and negotiated two value engineering proposals that resulted in $110,000 profit.

SR222 Bypass Project, Trexlertown, PA ($48 million project) - Prepared a $4 million construction claim that is being used to negotiate a settlement with the Pennsylvania Department of Transportation.

Trauner Consulting Services, Philadelphia, PA,- Consultant successfully analyzed, prepared, and negotiated several multi-million dollar construction claims. Utilized CPM delay analysis to assess damages that mitigated liability for the clients. 2002-2004

The Durta Group, San Rafael, CA (1997 - 2002)
Project Manager/Scheduler/Estimator
Coast Guard Island Bridge Replacement Project, Alameda, CA ($8 million project)
San Rafael/Richmond Bridge Seismic Retrofit Project, Richmond, CA ($12 million subcontract)
Port of Oakland Construction of Berths 57/58 Project, Oakland, CA ($60 million project)
Dredging Projects (varied $2 million - $40 million) - Instrumental manager of a small marine construction firm. Responsibilities included estimating, scheduling, subcontract and supplier contracts, scheduling, cost controls, and management. Consistently achieved project budgets that increased company's profits and bonding capacity.

WEEKS MARINE, Camden, NJ (1994 - 1997)
Project Engineer performed and supervised hydrographic surveys for numerous dredging projects. Prepared monthly labor cost estimates and quality control reports. Monitored logs for proper disposal of dredged materials.

F. Billing Rates

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Billing Rates

PANYNJ Agreement No. 39247			
Salary Schedule			
Aaron M. Price	Mechanical Engineer	Urban	$25.00
Abbey R. Midelton Gancz	EIT	Urban	$33.02
Abhishek Joshi	Engineer	Urban	$35.73
Abrar Alam	Resident Engineer	Urban	$55.00
Adam J. Shelly	Mechanical Engineer	Urban	$48.08
Adam R. Brown	Engineer	Urban	$49.50
Agya Yaw A. Nyame Kusi	Office Engineer	Urban	$28.12
Alexandra M. Ryder	Engineer in Training	Urban	$36.86
Allison Valentine	EIT	Urban	$33.42
Andrew G. Royston	Inspector	Urban	$35.95
Andrew J. Scott	General Manager	Urban	$95.53
Andrew O. Quinn	Engineer	Urban	$47.61
Andrew R. Holland	Project Manager	Urban	$34.62
Andrew R. Gould	EIT	Urban	$30.56
Andrew T. Lusardi	Engineering Graduate	Urban	$30.05
Angelo Waters	Vice President	Urban	$62.17
Avi Y. Lebovic	EIT	Urban	$39.27
Benjamin W. Morton	Engineering Graduate	Urban	$32.90
Brian M. Taylor	Land Surveyor	Urban	$25.00
Brian McElwee	Plumbing Engineer	Urban	$43.73
Brian R. Hair	Engineer	Urban	$42.50
Bryan D. Kulakowsky	Project Manager	Urban	$43.00
Bryan P. McGrath	Engineering Graduate	Urban	$32.00
Burton Kohlman	Practice Leader	Urban	$63.00
Carl Gandza	Project Manager	Urban	$47.90
Carl V. Bruno	Intern	Urban	$16.00
Charles A. Halboth	Project Manager	Urban	$97.34
Charles F. King	Project Manager	Urban	$117.70
Charles J. Odgers	Project Manager	Urban	$61.92
Chris A. Burke	EIT	Urban	$39.15
Christine C. Kaelin	Administrative Assistant	Urban	$22.53
Christopher G. Gubeno	Division Director	Urban	$75.40
Christopher J. Commans	Engineer	Urban	$39.25
Christopher R. Connor	Safety Manager	Urban	$45.68
Dale E. Russell	Project Manager	Urban	$55.65
Dane J. Greene	Engineering Graduate	Urban	$29.67
Daniel B. Humes	Project Engineer	Urban	$51.00
Daniel D. Nguyen	Technician I	Urban	$21.00
Daniel E. Kreuz	Project Manager	Urban	$40.81
Daniel F. Pease	Traffic Counter	Urban	$15.00

Daniel J. Kowalski	Technician II	Urban	$26.78
Daniel J. Leinheiser	Division Director	Urban	$75.00
David A. Steele	Director	Urban	$58.42
David A. Huber	Engineer	Urban	$65.00
David Cox	Project Manager	Urban	$54.60
David G. Harrington	Technician	Urban	$21.96
David G. Machmer	Practice Leader	Urban	$37.45
David M. Price	MEP Engineer	Urban	$62.50
David Ottow	Project Manager	Urban	$42.08
David Parmiter	Mechanical Engineer	Urban	$63.00
David R. Benner	Project Manager	Urban	$57.82
David Vodila	Planner	Urban	$42.52
Dawn F. Dayawon	Engineer in Training	Urban	$28.50
Dennis K. Burgeson	Practice Leader	Urban	$80.00
Diane R. Wurst	EIT	Urban	$26.50
Douglas Y. Chin	Administrative Assistant	Urban	$23.08
Edward J. Godorov	Mechanical Engineer	Urban	$67.85
Edward K. Vaughn	Technician II	Urban	$32.00
Edwin J. Williamson	Project Manager	Urban	$98.70
Elizabeth E. Daugherty	Intern	Urban	$17.00
Elizabeth N. Palmer	Traffic counter	Urban	$15.00
Ellen B. Friedman	Administrative Assistant	Urban	$36.60
Eric J. DeDominicis	Project Manager	Urban	$57.00
Erika Rush	Practice Leader	Urban	$65.00
Erin M. McCloskey	Project Manager	Urban	$40.87
Eugene J. Nowicki	Project Manager	Urban	$34.00
Felix F. Liberto	Safety Manager	Urban	$45.15
Fiona Yee Chau	Engineering Graduate	Urban	$30.00
Franklin S. Teinfeld	Project Manager	Urban	$55.34
Frederick M. Summers	Engineering Graduate	Urban	$43.30
George J. Lukaitis Jr	Mechanical Engineer	Urban	$33.71
George P. Stamatas	MEP Engineer	Urban	$52.89
Gerald C. O'Neill	Sr. Vice President	Urban	$94.27
Gregory C. Scafonas	Engineer	Urban	$38.16
Gregory J. Bobyock	Engineer in Training	Urban	$26.25
Gustavo E. Dores	Deputy Practice Leader	Urban	$68.65
Habeeb A. Mohammed	Project Manager	Urban	$49.28
Heather A. Palladino	Plumbing Engineer	Urban	$31.85
Heather H. McGarrigel	Engineer	Urban	$41.95
Heiner H. Moehren	Sr. Railroad Track Engineer	Urban	$61.48
Jack M. Martins	Director	Urban	$89.60
Jaimie L. Younkins	Engineer	Urban	$34.20
James A. Bilella	Sr. Electrical Engineer	Urban	$76.92
James R. Fullerton	Engineer	Urban	$67.70

Jared Krause	Engineering Graduate	Urban	$39.45
Jason Horn	Technician I	Urban	$14.00
Jason N. Babel	MEP Engineer	Urban	$35.10
Jason R. Reid	Instrumentman	Urban	$15.87
Jason S. Vopelius	EIT	Urban	$34.10
Jasper N. Huang	Engineer in Training	Urban	$26.25
Jay Etzel	Engineer	Urban	$56.00
Jeffrey L. Christie	Intern	Urban	$16.00
Jeffrey M. Wierzbicki	Technician I	Urban	$23.00
Jeffrey May	Director	Urban	$102.85
Jeffrey N. Ulmer	Land Surveyor	Urban	$28.70
Jeffrey Roken	Engineer	Urban	$50.01
Jennfier Waters	Engineer	Urban	$45.35
Jerome Benson	Technician II	Urban	$35.36
John A. Bonck	Engineering Training	Urban	$31.92
John E. Citrone	Engineer in Training	Urban	$26.25
John M. Osborne	Project Manager	Urban	$60.00
John S. Holak	Vice President	Urban	$87.74
John W. Morris	Practice Leader	Urban	$52.00
Jonathan D'Alba	Engineering Graduate	Urban	$29.13
Jonathan R. Tweed	Land Surveyor	Urban	$25.00
Jordan D. Wood	EIT	Urban	$44.69
Joseph A. Serruta	Engineer	Urban	$53.71
Joseph F. Musil	Project Manager	Urban	$53.48
Joseph Polchlopek	Project Manager	Urban	$46.68
Joseph Rimiller	Engineer	Urban	$40.07
Julie A. Rentz	Project Manager	Urban	$35.18
Keith A. Shuster	Scheduler	Urban	$53.83
Keith W. Foglia	Engineer	Urban	$48.25
Kelly Newton	EIT	Urban	$25.00
Kenneth Godorov	MEP Engineer	Urban	$52.00
Kenneth J. McFadden	Project Manager	Urban	$60.00
Kenneth R. Fulmer	Engineer	Urban	$82.06
Kevin J. Buchanan	Inspector	Urban	$52.89
Laura N. Clark	Engineering Grad	Urban	$26.25
Lauren R. Antenucci	EIT	Urban	$35.00
Lawrence Mussio	Engineer	Urban	$45.99
Lawrence P. Mitros	Engineer	Urban	$37.50
Lesya Y. Delyaur	Engineer	Urban	$53.00
Luis R. Rivera	Safety Coordinator	Urban	$45.00
Margarita D. Gagliardi	Practice Leader-Transit Planning	Urban	$105.01
Mark A. Kinnee	Director	Urban	$87.55
Matin Haghkar	Engineering Graduate	Urban	$30.00
Matthew E. Jonas	EIT	Urban	$33.17

Matthew J. Seth	Engineer	Urban	$25.20
Michael E. Dunn	Planning Coordinator	Urban	$72.80
Michael G. Leinheiser	Practice Leader	Urban	$81.15
Michael J. McAtee	Vice President	Urban	$59.54
Michael J. Thomas	Project Manager	Urban	$34.75
Michael O. Moy	Technician I	Urban	$25.50
Michael Owamagbe	Engineer in training	Urban	$26.00
Michael Wagner	Vice President	Urban	$55.63
Moses J. Gaster	Estimator	Urban	$45.43
Olga L. Santiago	Administrative Assistant	Urban	$28.31
Orla H. Pease	Vice President	Urban	$66.00
Oscar Bustos	Resident Engineer	Urban	$48.36
Patrick B. Harding	Document Control Manager	Urban	$54.29
Patrick J. Williams	EIT	Urban	$35.00
Patty C. Robles	Engineering Graduate	Urban	$31.00
Paul T. Dionisio	Project Manager	Urban	$87.67
Paul Yantosh	Engineer	Urban	$30.63
Peter F. Brennan	Engineer	Urban	$44.19
Peter O'Halloran	Project Manager	Urban	$41.35
Peter Yilanjian	Scheduler	Urban	$32.28
R. Bradley Tombs	Project Manager	Urban	$57.50
Rachel E. Schott	Engineer in Training	Urban	$26.25
Raffi Asatoorian	Business Developer	Urban	$49.98
Reaz Kamal	Administrative Assistant	Urban	$23.00
Richard C. Simon	QA/QC	Urban	$91.00
Richard D. DiVirgilio, Sr.	Estimator	Urban	$65.00
Robert D. Kiesler	Engineer in Training	Urban	$41.39
Robert G. McCracken	Project Manager	Urban	$66.20
Robert Golisch	Engineer	Urban	$84.57
Robert L. Macioce	Engineer	Urban	$39.50
Robert M. Wright	Engineer	Urban	$66.72
Robert W. Long	Technician III	Urban	$64.75
Ronald G. Swerdon	Quality Control Specialist	Urban	$40.91
Ronald R. Morrison	Project Manager	Urban	$68.60
Rosemarie Bakk	Document Control Manager	Urban	$38.70
Roy E. Denmark, Jr.	Project Manager	Urban	$89.00
Rugnab W. Bangura	Construction Manager	Urban	$65.00
Ryan E. Matthews	Inspector	Urban	$33.00
Sarah E. Dores	Traffic Counter	Urban	$15.00
Scott Esher	Engineering Graduate	Urban	$36.00
Scott J. Diehl	Practice Leader	Urban	$72.56
Scott Walker	Engineering Graduate	Urban	$34.05
Sean Duffy	Engineer	Urban	$50.13
Shashin Umrania	Technician II	Urban	$27.32

Shawn M. McAdams	Engineer	Urban	$45.46
Silvia Scheuermann	EIT	Urban	$33.31
Sita Mohan	Assistant Resident Engineer	Urban	$42.58
Steve Mathew	Engineering Graduate	Urban	$39.00
Steven Locke	Practice Leader	Urban	$65.00
Susan Marie Dondero-Dores	Engineer	Urban	$53.00
Thomas A. Paul	Project Manager	Urban	$53.30
Thomas D. DiCampli	Mechanical Engineer	Urban	$36.97
Thomas E. Mitchell	Vice President	Urban	$84.82
Thomas F. Kerins	Director	Urban	$70.62
Thomas F. Srodin	Engineer	Urban	$60.59
Thomas M. Podskalny	Practice Leader	Urban	$47.17
Thomas Nodar	Practice Leader	Urban	$91.35
Thomas Regino	Electrical Engineer	Urban	$35.10
Timothy L. Polaski	Practice Leader	Urban	$41.45
Tom E. Halterman	Project Manager	Urban	$60.46
Veronica A. Boyce	Intern	Urban	$15.00
Victor R. Simuoli	Senior Planning Manager	Urban	$101.95
Walter A. Mudrowsky	Engineer	Urban	$64.40
William B. Fahber	Technician III	Urban	$43.50
William J. Goffe	Technician II	Urban	$55.25
William Kroth	Resident Engineer	Urban	$61.80
William L. Taylor	Party Chief	Urban	$30.00
William P. McGarrigel	Regional Manager	Urban	$72.30
William R. Cavender	Engineer	Urban	$41.20
William T. Thomsen	Regional Manager	Urban	$112.75

G. Similar Experience

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Similar Experience

THE URBAN ADVANTAGE

Urban is an **ISO 9001:2008-Certified**, multidisciplinary design, environmental, planning, and construction services consulting firm. Founded in 1960, Urban provides services for buildings, ports, transit, railroads, airports, bridges, and highways. We attribute our reputation and excellence as a recognized leader in our fields of professional practice to our ability to provide clients with a superior level of competence, quality, and commitment.

Urban has a distinguished history of providing innovation, technical excellence, and on-time performance on bridge, roadway, transit, aviation and marine projects in the Northeast United States. We have 466 employees in 11 offices, including a staff of more than 50 professionals in the New York Metro region.

SERVICES

Urban provides clients with a broad range of services in such markets as:

- Aviation
- Bridge Design and Inspection
- Building Systems Design
- Civil/Site Design and Material Testing
- Claims Litigation Support
- Construction Management and Construction Inspection
- Environmental Services
- Highway Design
- Marine (Ports and Waterways) Services
- Planning Services
- Program Management
- Railroads and Rail Transit Services
- Traffic Engineering and Intelligent Transportation Systems

Urban has been recognized by the Engineering News Record as one of the top 500 engineering firms and has been repeatedly selected by local, state, and the federal government clients for complex and high-profile technical assignments. Our Construction Management and Construction Inspection Practices comprise approximately 50 percent of our business. The quality of Urban's work has been recognized by our clients in the form of return business and by ENR in their listing of Urban as one of the top Construction Management firms in the United States.

Our Construction Management team in New York City is thoroughly familiar in New York City having performed service for numerous New York City clients including New York City Economic Development Corporation (EDC), New York City Parks Department and the Battery Park City Authority, among others. We have also served New Jersey Transit and the New York State Department of Transportation on Construction Management projects adjacent to Port Authority properties.

Urban served several private clients as Construction Manager within the New York and New Jersey region on marine and aviation projects. Our work has included work at LaGuardia Airport for United Airlines. We have ports projects on the New Jersey waterfront and at the Brooklyn Navy Yard for Sunoco. We have also worked with NYCDOT on the Ferry Program, including ferry terminals in Staten Island and Manhattan.

Urban is well known for our capability and capacity to perform Resident Engineering and Construction Inspection work on infrastructure projects in congested urban environments with multiple stakeholders. This is particularly evident through the execution of our REI work for ongoing EDC projects at 125th St.

in Manhattan and the South Bronx Greenway projects. We have introduced our procedures, discipline, quality approach and staff to EDC on these projects resulting in cost savings, on-schedule performance, improved contractor relationships and quality construction.

THE URBAN MISSION

We will strive to be our clients' first choice through planning, engineering, and management excellence.

THE ISO ADVANTAGE

Urban is distinguished by our **ISO 9001:2008 Certification**; the definitive quality standard for design/consulting firms. This certification verifies that Urban's Quality Management System complies with the stringent requirements of the International Organization for Standardization for the planning, design, and construction management of engineering projects. Urban is one of a select number of consulting engineering firms in the United States to have earned this distinction.

THE PROJECT TEAM

Urban will serve the Port Authority as prime consultant. To enhance our capabilities and capacity to deliver qualified staff, we have added the following subconsultants:

- Distinct Engineering (D/MBE) specializes in Special Inspection services and maintains a robust staff of certified ACI Special Inspectors and ICC certified Steel Bolting and Welding Inspectors.;
- Haider Engineering (D/MBE), a Construction Management firm with numerous assignments in the New York City region and a highly qualified staff and;
- Advanced Testing Company, a top rated testing laboratory and inspection firm with whom we have teamed on numerous Inspection projects in New York City. Urban and ATC have a strategic alliance and long standing working relationship.

The makeup of our Team includes subconsultants that we know and trust to perform quality services. With this Team, we will meet or exceed the subcontracting and DBE goal:

ADDITIONAL BENEFITS

In New York City, Urban is accredited as a **"Special Inspection Agency"** in 39 categories by the International Accreditation Service (IAS). The IAS accreditation has enabled Urban to achieve registration in compliance with NYC's Department of Building (DOB) rules and regulations as a "Special Inspection Agency – Class 1".

We are proud to say that we are one of the few firms in the metropolitan area that is:

- Accredited in all categories of the DOB code, and;
- Met the DOB's requirements of all registered Class 1 Special Inspection Agencies being accredited by an approved accrediting body by May 13, 2013.

For more than 50 years, Urban has been performing construction services for our clients. We are a **"charter member" of the Construction Management Association of America** and have been instrumental in the development of the CMAA-recommended standards and procedures for performing profession construction management services. Our firm has a well-defined Construction Services Division with documented standards for inspecting and reporting on construction projects. We employ our standards to help our clients achieve solid schedule, cost, and quality performance.

SCHEDULE/BUDGET PERFORMANCE

Urban strives to maintain good cost and schedule performance on our projects. To accomplish this, we employ proven project management procedures for tracking costs and schedule and we communicate frequently with project team members to coordinate efforts and resolve issues before they impact cost

and schedule. As such, Urban's services on the projects presented herein were successfully delivered on time and within budget. Additional information regarding these projects can be found in the project profiles following this section.

PROJECT DESCRIPTIONS

Our list of project descriptions are representative of our work in the New York City region that are relevant to the type of work and facilities owned and operated by the Port Authority of New York and New Jersey. During the past five years, Urban has robust experience in performing CM/CI services for various New York City agencies and other government clients in the Northeastern United States on several projects.

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West 125th Street
New York City (Manhattan), NY

"Urban provided construction management and inspection for this $19 million streetscape project in historic West Harlem."

Client: New York City Economic Development Corporation

The purpose of the West 125th Street Streetscape Improvements Project is to increase pedestrian access to the waterfront and improve intermodal connections. The project, with a construction value of $19 million, involves streetscape improvements on 125th Street, extending between the Harlem Piers to the west, and Old Broadway to the east, as well as portions of adjacent side streets. This area of Harlem is a vibrant community and dynamic business district with a history rich in American entertainment and culture. Construction activities include:

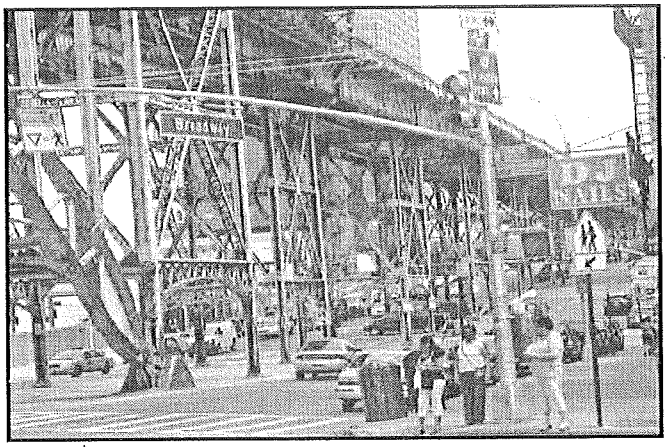
- Street furniture, including benches, bicycle racks, and trash receptacles
- Planting beds and sidewalks
- Cobblestone and asphalt roadway reconstruction
- Drainage and sewer improvements
- Plaza, street, and architectural lighting
- Aesthetic treatments at a new transit plaza adjacent to 12th Avenue
- Addition of transit shelters at bus stops

HIGHLIGHTS:

- Constructability Reviews
- Coordination with Client & Design Team
- Construction Management & Inspection
- Community & Project Stakeholder Relations
- Pedestrian Vehicular Safety
- Maintaining Access to Business
- Utility Coordination
- Schedule Adherence
- Coordination with Columbia University Expansion & Other Adjacent Projects by Others
- Material Procurement/Specialty Items
- Budget Administration

Urban Engineers (Urban) is responsible for construction management and inspection services, including preconstruction phase constructability and biddability reviews, monitoring construction activities, reviewing and monitoring the project schedule, coordinating the efforts with adjacent construction projects on the Columbia University campus and other developments, preparing progress payments, chairing progress meetings, reviewing technical submittals, and implementing a community outreach plan. Key issues include:

- Community and stakeholder relations
- Pedestrian and vehicular safety
- Maintaining access to businesses
- Utility coordination
- Schedule adherence
- Coordination with Columbia University expansion
- Material procurement/specialty items
- Budget Administration



URBAN ENGINEERS
Formulating Excellence

Hunts Point Landing / South Bronx Greenway
Bronx, NY

"The South Bronx Greenway is a more than $7 million effort that will provide a vital connection between the waterfront and residential and business communities."

Client: New York City Economic Development Corporation

The Hunts Point Landing Project is a $7.3 million park construction project that involves the use of more than 1.25-acres of waterfront area. Construction involves updating utilities within the park through coordination with Con Edison, the New York City Department of Environmental Protection, and New York City Department of Sanitation. This was made possible through the reclamation of waterfront area previously used for commercial purposes and a portion of a former street, which was removed from the City's maps as a public thoroughfare for reuse for recreational purposes. The project also introduces waterside green space and shore access in a once uninviting area.

HIGHLIGHTS:

- Constructability Reviews
- Coordination with Client & Design Team
- Construction Management
- Scenic Overlook
- Fishing Pier
- Amphitheater
- Aquatic Recreation
- Ecological Habitat
- Reuse of "Recycled" Stone from the Willis Avenue Bridge

The park includes an outdoor amphitheater, scenic overlook, fishing pier, and kayak and boat launch. These additions provide Hunts Point with a leisure area filled with scenic views and aquatic recreation. More than 150 large granite stones have been recycled from the nearby Willis Avenue Bridge, which was being reconstructed, to be incorporated as a part of the design of the park. These reclaimed stones each weigh over 1,000 pounds and are set in the amphitheater and scenic overlook to provide an area for relaxation.

As a part of an aquatic habitat development, the fishing pier incorporates artificial reefs used to create a new ecological habitat through the creation of tidal pools.

URBAN ENGINEERS
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Reconstruction of Lafayette Avenue / South Bronx Greenway
Bronx, NY

"This more than $4 million project will transform the community with landscape and infrastructure improvements, creating desperately-needed green space."

Client: New York City Economic Development Corporation

Lafayette Avenue currently serves as a connecting road between the Hunts Point Food Distribution Centers and the Bruckner Expressway. It is a diverse city street that contains residential buildings, local businesses, Hunts Point Riverside Park, small produce markets, and even a NYC public school. After reconstruction, Lafayette Avenue will no longer serve as a truck route to industrial areas, but will be a residential roadway connecting residential neighborhoods to the newly developed Hunts Point Riverside Park.

HIGHLIGHTS:

- Constructability Reviews
- Coordination with Client & Design Team
- Construction Management
- Streetscape
- Medians with Irrigation System
- Gas Main, Water Main, & Sewer Construction
- Coordination with Con Edison, Other Utility Companies & City Agencies

The project involves roadway reconstruction, concrete and cobblestone sidewalk replacement, a Class II bicycle lane, introduction of planted medians, installation of a church fence, and replacement and expansion of utilities on one of the most heavily trafficked roadways in the South Bronx. The project's utility work includes but is not limited to installation and relocation of a 12" water main, 8" gas main, 36" and 18" combined sewers, as well as replacing city fire hydrants and installing planting bed irrigation systems.

The project will transform the community with landscape and infrastructure improvements, such as roadside and median planting beds, street furniture, improved street lighting, and a massive increase in the areas biomass and street tree viability, creating desperately-needed green space in an otherwise large expanse of asphalt and concrete.

URBAN ENGINEERS
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Produce Market Fence / South Bronx Greenway
Bronx, NY

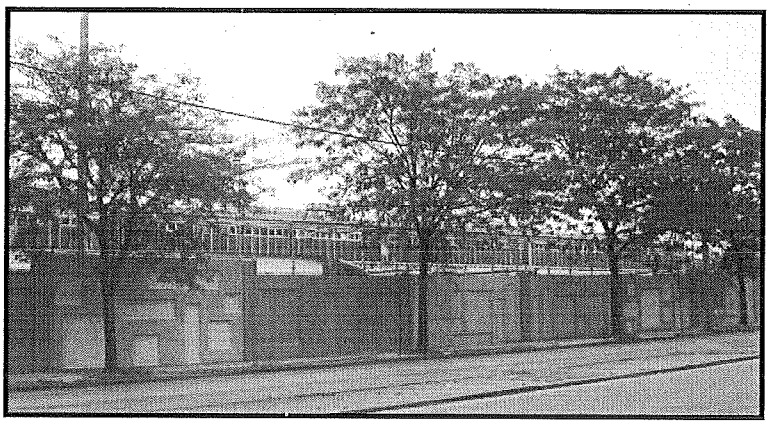
"This more than $2 million project features installing a precast concrete wall that ranges in height from 9.5-feet to 14.5-feet and will span more than 1,900 feet in length."

Client: New York City Economic Development Corporation

The Hunts Point Produce Market Fence Project involved installing a precast concrete wall that ranges in height from 9.5-feet to 14.5-feet. Located along Halleck Street, it is more than 1,900-feet long and will serve as an aesthetically pleasing security barrier for the world's largest food distribution center. The Hunts Point Produce Market is open 24-hours-a-day, 7-days-a-week, and receives fresh produce deliveries by rail, tractor trailer, and air cargo from 49 states and more than 55 countries. Each year more than 2.7-billion pounds of produce are sold from the market's 475,000-SF warehouse.

HIGHLIGHTS:

- Constructability Reviews
- Coordination with Client (New York City Economic Development Corporation) and Project Design Team
- Assistance with Bid Documents and Bid Administration
- Construction Management



The contract included removing the existing unsightly galvanized corrugated steel wall and barbed-wire fence; installing a wall system with over 160 precast concrete panels with their respective piles and concrete columns; and a landscape architectural design that includes the addition of vines, pines, and shade trees, increasing the areas existing biomass. The wall panels have been designed with different sized "panes," which could accommodate local artwork in the future.

Urban Engineers' (Urban) role was initially to provide construction management and inspection services, however it was later expanded to incorporate reviewing the design drawings and a constructability analysis. The 24-hour operation of the market presented a logistical challenge to construction, which was simplified to a great extent by Urban's review of designs and constructability suggestions. The limited on-site storage area and constrained work areas were reviewed by Urban and construction staging was revised to allow minimal impact to the site and trucking traffic. The result was a bid package that met the needs of market tenants and reduced the impact of construction on local residents and businesses.

URBAN ENGINEERS
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Food Center Drive / South Bronx Greenway
Bronx, NY

"This Phase I Project will improve the vehicular flow through the Food Distribution Center and create a safe access route to the new Greenway amenities for residents and local workers."

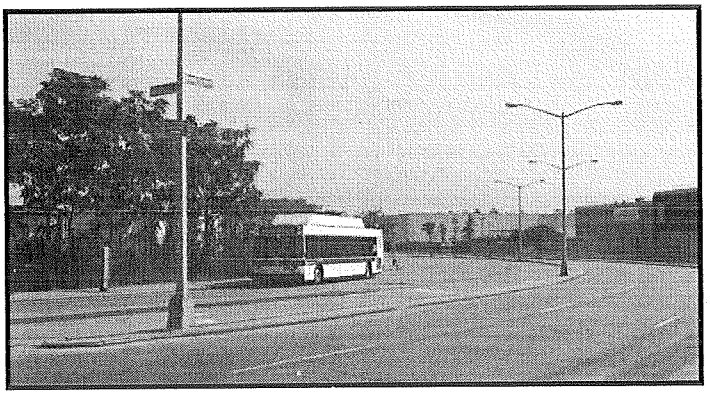
Client: New York City Economic Development Corporation

The Food Center Drive Project is the fourth and final element of the New York City Economic Development Corporation's South Bronx Greenway Program and is designed to enhance and restore elements of the Hunts Point neighborhood surrounding the Hunts Point Produce Market. The project will provide a vital link for residents and workers to access Hunts Point Landing Park and will help to develop employment in the area.

HIGHLIGHTS:

- Constructability Reviews
- Coordination with Client & Design Team
- Assistance with Bid Documents & Bid Administration
- Construction Management

This project will transform Food Center Drive, a loop road serving the New Fulton Fish Market, Hunts Point Produce Market, Hunts Point Cooperative Market, and other private food distribution centers, from its current configuration as a six-lane roadway (three lanes in each direction) to a more user-friendly three lanes for through traffic operating in a counterclockwise direction, starting at the intersection of Halleck Street and Ryawa Avenue, and ending at the intersection of Halleck Street and Hunts Point Avenue. The narrowed roadway will feature two "inner" lanes for local traffic and a widened pedestrian sidewalk, tree lawn, and separated bicycle lane, and will tie into the improvements effected under this program at Hunts Point Landing (former Farragut Street).



The tree lawn will be carefully landscaped to provide a natural buffer between the three lanes remaining for general traffic and the local service lanes. Roadway lighting will be modernized as part of this effort.

The project is valued at $11 million and will involve the entire 6,800-foot length of Food Center Drive.

Urban Engineers' (Urban) role will entail the providing a constructability review, assisting in preparing bid documents, assisting the EDC in regards to bid administration, and construction management/inspection services. Design of the project is complete and it is anticipated to be advertised for bids in mid-winter 2012, with construction scheduled to begin in early summer and lasting through summer 2013.

URBAN ENGINEERS
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Hudson River Sediment Remediation Project
New York

"Urban has been awarded four assignments for what could be one of the most complex environmental cleanups in the country."

Client: General Electric Corporation
Environmental Programs

General Electric is dredging the Hudson River in upstate New York to remove PCBs in one of the largest and most complex environmental cleanups in United States' history. The US Environmental Protection Agency will oversee the work and estimates the work will continue for five-to-seven years.

HIGHLIGHTS:

- Construction Management
- Blast Cleaning
- Removing and Disposing of Lead Paint
- Structural Steel Maintenance and Replacement
- Extensive Coordination Efforts with Multiple Stakeholders
- Establishing and Enforcing Safety Measures

The dredged material is being loaded onto 195-foot-long hopper barges that, when filled, are pushed by tugboats to a 110-acre processing treatment and transportation facility. Loaded barges are moored at the facility's 1,500-foot unloading wharf. A land-based excavator then lifts the sediment from the barges and places it into hoppers that feed a large piece of equipment called a trammel. The trammel separates finer sediments from debris, gravel, and rocks. The fine sediments are pumped into a gravity thickener, and then are sent to one-of-12 specially manufactured filter presses housed in a 41,000-SF dewatering building. The presses squeeze water from the slurry, resulting in cake-like bales. The cakes are then trucked to a staging area where they are loaded onto rail cars for disposal at permitted hazardous waste disposal facilities.

The debris, gravel, and rocks removed from the sediments during processing are transported by truck to on-site staging bins, at the Great Lawn Stock Pile Area, to await loading onto rail cars. A geomembrane liner is installed under the Great Lawn Stock Pile Area to ensure PCBs do not migrate from the site.

Urban Engineers (Urban) has been given four tasks to date:

- Design of Barge Dock Fender System.
- Design of Additional Barge Loading Wharf.
- Design of the Great Lawn Stock Pile Area
- Foundation Design for Gravity Thickener Tank, De-aeration Tank, and Size Separation Process Water Tank.

URBAN ENGINEERS
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Emergency Clean Up and Make Safe of Shore Parkway Bikeway and Pedestrian Path Brooklyn, NY

"Helping rebuild New York City after one of the most catastrophic natural disasters in the region."

Client: City of New York
Department of Parks and Recreation

Urban Engineers (Urban) is the Construction Manager for the $1.8 million Emergency Clean Up and Make Safe of Shore Parkway in the Bay Ridge area of Brooklyn, NY. Super Storm Sandy caused massive damage to this project site and created an unsafe condition for the public. The purpose of this project is to remove debris and other material, as well as provide safety measures to secure the Shore Parkway Bikeway and Pedestrian Path between 92nd Street and Bay Parkway for continued public use.

HIGHLIGHTS:

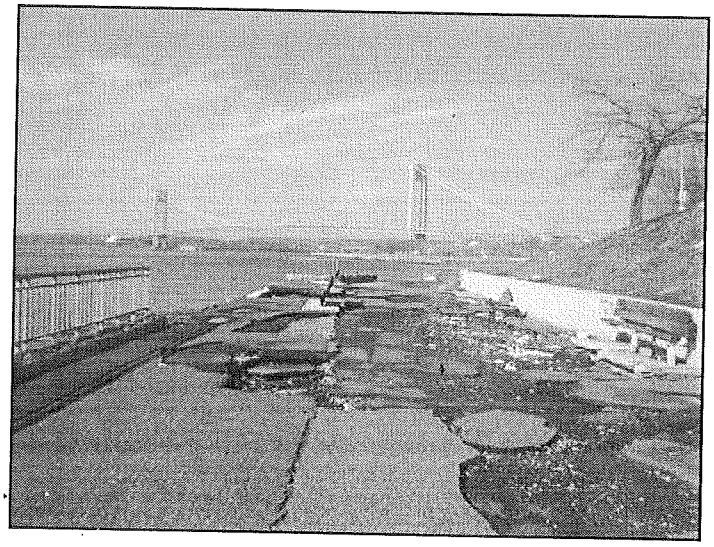
- Construction Management, Resident Engineering, and Construction Inspection
- Construction Schedule Monitoring
- Change Order Review and Negotiation
- Contract Administration

Urban's team is providing construction management and supervision services as the owner's representative on this project. Urban is responsible for field inspections and administrative services necessary for the continued progression of the project. Urban's role includes construction management and resident engineering services, monitoring construction activities, and preparing progress payments.

Construction activities include:

- Removal of 500 CY of miscellaneous debris
- 200 SY of full-depth pavement reconstruction and 1,200 SY of asphalt concrete top course
- Restoration with borrowed fill of 1,000 SY of washouts and eroded lawn areas
- Resetting of 600 SF of face stones and 500 LF of cap stones for the restoration of the damaged seawall
- 100 CY of reinforce concrete structural repairs of the seawall and pedestrian stairs

This post-Sandy recovery emergency contract is funded by the Federal Emergency Management Agency (FEMA). In order to guarantee reimbursement to the Department of Parks and Recreation by FEMA, Urban must prepare daily and weekly reports documenting construction progress and payment quantities, which are presented to FEMA as the record documents that substantiate and secure the federal funds.



The Shore Parkway's four-mile-long Bikeway and Pedestrian Path is heavily used by the local community, and bringing it back to a safe condition is essential.

URBAN ENGINEERS
Formulating Excellence

Construction Management Services for 2014 Pile Remediation
New York, NY

"Urban recommended several adjustments to the project requirements to facilitate reaching the client's important schedule goals while maintaining quality."

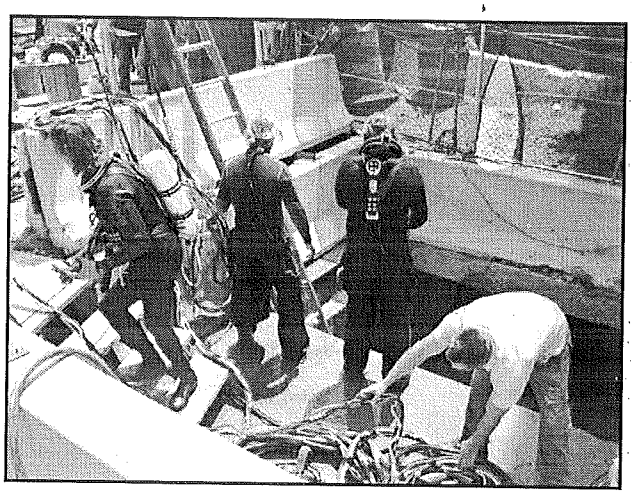
Client: **Battery Park City Authority**
One World Financial Center, 24th Floor
New York, NY 10281
Ken Windman, Director Facilities Maintenance and Construction
[redacted]

Construction Cost: **$8 million**

Urban provided construction management for the Battery Park City Authority's third phase of pile remediation. The scope of remediation work included the installation of protective encasements on 650 square concrete piles. The encasements are located in the water and were designed to address existing deterioration and to extend the service life of the structure surrounding the north PATH tunnel and at the North Esplanade along the Hudson River. The encasements were formed with a square section one eighth inch thick fiberglass jacket to create a 1" annulus. The annulus was then filled with a two-part epoxy offering upwards of 8000 psi in compressive strength to seal the structural pile from the harsh marine environment to minimize future deterioration.

HIGHLIGHTS:

- Epoxy Repairs for Concrete Piles
- Underwater inspection
- Critical Schedule Constraints requiring daily production tracking
- Coordination with NYSDOT, NYSDEC and USACE



The environmental permits for the project restricted the amount of time available to complete the work. Access to the work was a significant challenge which also affected the production schedule. Half of the work was only accessible through a 6' x 12' opening. Due to the challenges and schedule requirements, the contractor requested several changes to the required materials and procedures to help achieve the schedule goals. Urban reviewed and provided feedback to the client in order to select the option which provided the greatest overall value.

Urban also managed the four-step inspection process required by the contract. These inspections were coordinated with the contractor to review cleaning, forming, filling and capping of the encasements. Diving inspectors worked alongside construction divers on a daily basis to monitor quality of work. These monitoring efforts were focused on documenting the time elapsed between pile cleaning and encasement completion to promote an effective bond between the existing pile and encasement epoxy. Inspectors also verified the amount of encasement embedment into the river bottom. Urban also monitored and provided input on one of the most significant challenges to the contractor, which was to maintain the shape of the square encasement from initial pumping to curing.

Urban monitored the contractor's schedule and reviewed applications for payment which were based on unit prices for work performed. Diving inspectors played a critical role in that all of the work is below water and out of sight.

URBAN ENGINEERS
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City of Poughkeepsie Transit Hub Design
City of Poughkeepsie, NY

"Urban had to address the transit service needs, as well as bus operations for three different entities."

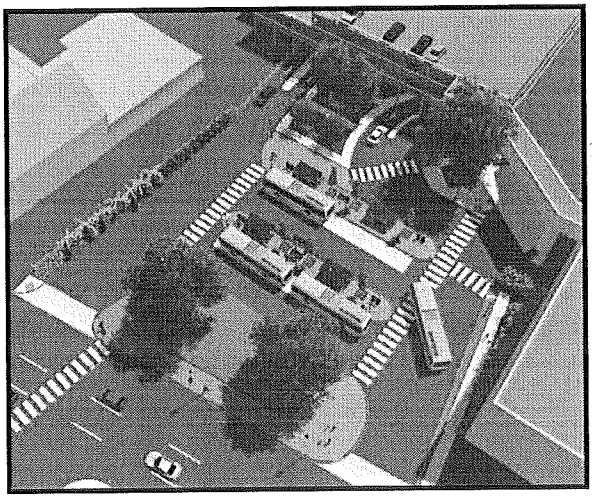
Client: City of Poughkeepsie, NY

Urban Engineers (Urban) is the design consultant for the Transit Hub at Civic Center Plaza in the City of Poughkeepsie. This project not only had to address the needs and desires of the City for a safe, functional transit services center, but it also had to have definitive requirements for maintaining the bus operations of the City of Poughkeepsie Transit Line, as well as the Dutchess County Loop and private bus services. The project will create an ADA-accessible central location for bus transit passengers and also be a hub of information allowing for intermodal connections.

HIGHLIGHTS:

- Project Management
- Civil Engineering
- Electrical Engineering
- Traffic and Maintenance and Protection of Traffic
- Landscaping
- Cost Estimating and Constructability Reviews
- Construction Inspection Services

Urban's team is providing project management, civil engineering, electrical, traffic, maintenance and protection of traffic (MPT), landscaping, cost estimating, constructability reviews, and construction inspection services.



The design includes the creation of a one-way bus loop to accommodate buses for off-street pick-up and drop-off of passengers. The loop will allow for approximately four buses to park simultaneously. , This project will also include landscaping, sidewalk improvements, and bike racks on site. Multiple bus shelters will be provided for waiting passengers, as well as an advanced traveler information systems to ease intermodal transfers. The Transit Hub will aid in alleviating congestion on Civic Center Plaza in the City due to the increased demand of ridership.

Urban conducted a subsurface investigation for the purpose of optimizing pavement design. Split-barrel sampling and penetration tests were performed in accordance with ASTM and other standard procedures. The recovered subsurface soil samples were inspected in Urban's laboratory, John H. Roberts Testing.

Urban provided stormwater management and erosion and sediment control design for the site and prepared a Storm Water Pollution Prevention Plan (SWPPP). Storm drainage is being handled by drainage structures located within the paved areas of the property with proposed connections to the existing drainage system on Civic Center Plaza Street. Electrical services included design of Transit Hub site lighting, lighted shelters, and provision of uninterrupted power supply to the communication and security systems. Bus services will continue to operate during the construction process.

The project is progressing towards 100% design completion and preparation of a Transit Design package for construction procurement. It is being funded by the American Recovery & Reinvestment Act (ARRA) administered by the Federal Transit Administration (FTA) and all work provided is being performed according to FTA and NYSDOT requirements.

URBAN ENGINEERS
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Gates C12 & C14 Apron Paving for United Airlines, Central Terminal, LaGuardia Airport New York, NY

"Urban provided full time "on site" inspection services during construction."

Client: United Airlines / Giuliani Associates
Date: 2013
Contact: Richard Ryan, Architect
Phone: [redacted]

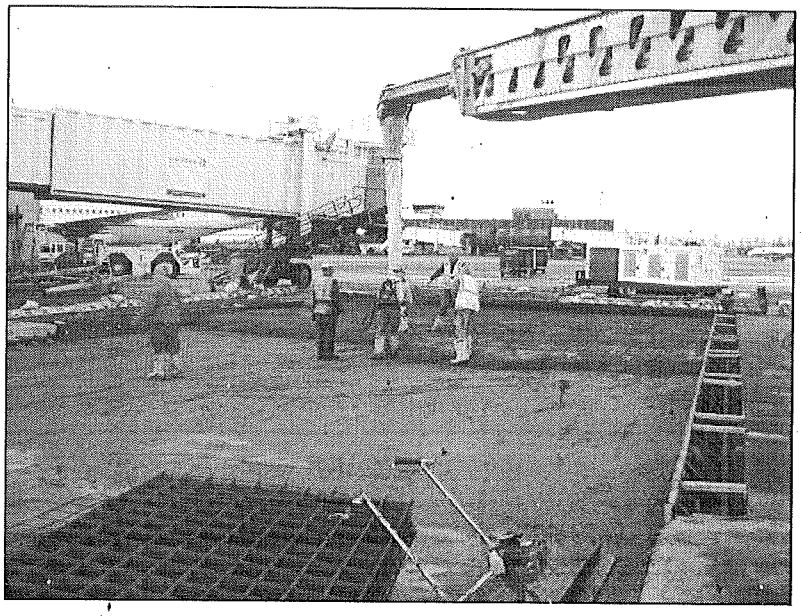
Urban designed and performed construction support services for apron paving at United Airlines Gates C12 and C14 at Central Terminal, LaGuardia International Airport in New York City. The owner of the airport, Port Authority of New York and New Jersey (PANYNJ) reviewed all design and construction work to confirm it was performed in accordance with the Tenant Alteration Agreement.

HIGHLIGHTS:

- Construction support services for apron paving
- Pavement design
- "On site" inspection services

Urban designed the pavement and prepared plans and specifications for bidding and award of the construction contract.

Urban provided full time "on site" inspection services during construction. Urban's Resident Inspector reviewed construction drawings and inspected soil preparation and concrete pouring activities. Urban observed, assessed, and documented the work in accordance with New York City Department of Building Special Inspection rules and regulations. Urban staff attended the PANYNJ partial inspection walk through for acceptance by the PANYNJ and United Airlines. Urban provided inspection reports and other information as needed to assist with project close out. (2012-13)



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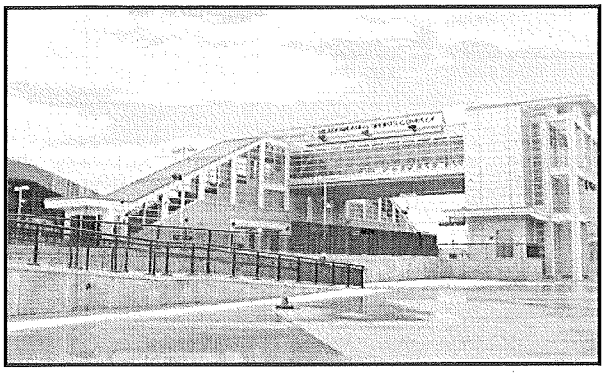
Meadowlands Railroad & Roadway Improvements
East Rutherford, NJ

"This new rail service helps cement the Meadowlands' status as a world-class destination for spectator sports and other major events." Dennis Robinson President and CEO of NJSEA

Client: New Jersey Sports and Exposition Authority



HIGHLIGHTS:

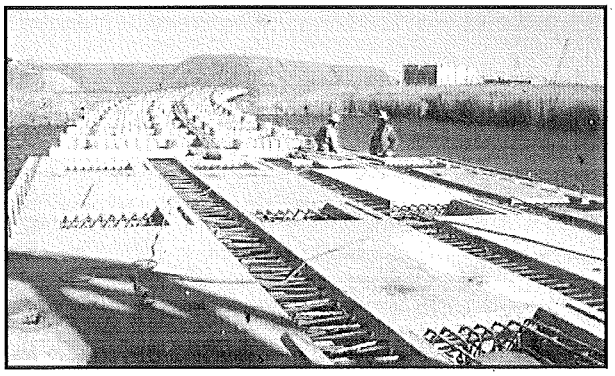
- Program Management
- Construction Management
- Construction Inspection
- Scheduling
- Cost Estimating
- New Rail Spur with Station
- Extensive Interagency Coordination

The New Jersey Sports and Exposition Authority hired Urban Engineers, Inc. (Urban) to provide program management, construction management, and construction inspection services for the Meadowlands Railroad and Roadway Improvement Project. The assignment also included development, tracking, and updating a master schedule, and preparation of an independent cost estimate.

Mutilple clients created the need for extensive interagency coordination to keep players on the same page through the process. Urban successfully worked within this multi-agency environment in a cooperative effort to provide rail access to the Meadowlands Sports Stadiums and the future Xanadu entertainment and retail complex.

The project included construction of a 2.1-mile dual track rail spur off New Jersey Transit's (NJT) Pascack Valley Rail Line, which serves NJT's new Meadowlands Rail Station. The station, located within the Meadowlands Complex, is directly adjacent to the new Giants/Jets Stadium. The line included three interlockings, bi-directional signaling, hazardous material remediatin, and approximately 3,500 feet of viaduct over wetlands. The rail station features an island platform approximately 950 feet in length, and a waiting area for passenger queuing and shelter. All aspects of code required egress and passenger flow, including pedestrian overpasses, escalators, stairs, and elevators.

The project was completed on time and within budget through two superfund sites, with constraints due to unreliable utility information, a moratorium due to anadromous fish, construction impacts due to race track operations, and numerous major concurrent construction projects on the site, including the Giants/Jets Stadium, Xanadu Entertainment Complex, and New Jersey Turnpike Authority's Interchange 16W.



URBAN ENGINEERS
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Sunoco Pipeline L.P.: Engineering and Design for Eagle Point Dock Repairs, Gloucester County, NJ

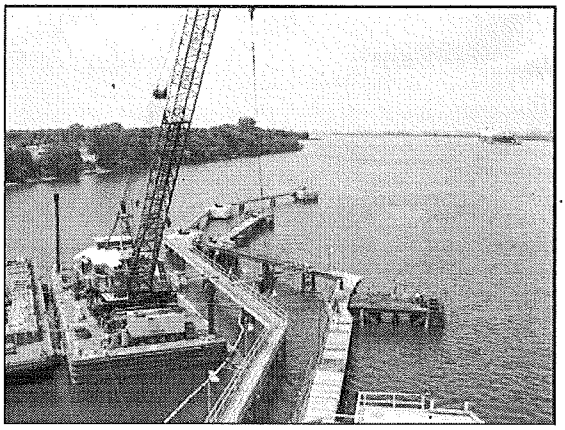
"Urban maintained coordination with Sunoco to ensure dock operations could be maintained during construction activities."

Client: Sunoco Logistics Partners LP
Address: 1735 Market Street
Philadelphia, PA
Contact: Colleen Armstrong
Phone: [redacted]
Cost: $25 million
Dates: 2009

The Eagle Point Refinery of Sunoco, Inc. is located along the southern shore of the Delaware River in Westville, New Jersey, approximately three miles upriver of the proposed Paulsboro Marine Terminal. This refinery is equipped with four docks. Dock 1A, 1, 2, and 3 constitute the 3,000-foot-long dock facility at this refinery. The docks are presently owned and operated by Sunoco Logistics, LP. The dock facilities were built in several stages, with the first dock constructed circa 1948. All docks at this facility are in need of rehabilitation. Sunoco has plans to rehabilitate all four docks prior to 2010 using a phased approach.

HIGHLIGHTS:

- Geotechnical Investigation
- Economic Analysis
- Design of Liquid Bulk Terminal
- Emergency Permits
- Construction Management & Inspection
- Design Accommodated Dock Operations Throughout Construction
- Removable Walkway for Future Access
- Approximate Cost: $25 Million



Urban Engineers (Urban) was contracted by Sunoco to review the existing condition of the four docks; establish the scope of rehabilitation work based on the priority of repairs; provide cost estimate for the construction work; assist Sunoco in budgeting and developing a phased approach for the construction work; perform off-shore geotechnical investigation; secure environmental permits; design the rehabilitation; assist Sunoco during the bid phase; procure material; and provide construction management services.

It was determined during the review and evaluation of the structural condition of the docks at this facility that most of the pile-supported walkways, mooring dolphins, and breasting dolphins at Docks 2 and 3 were in critical condition and required removal and renewal. Dock 3 was designed to receive up to 160,000 DWT vessels (900-feet long x 158-feet wide) while Dock 2 was designed to receive up to 70,000 DWT vessels at a berth depth of 45 feet. The breasting dolphins were designed such that their construction could be accomplished in two weeks to minimize dock shut-down time. Pre-fabricated, jacket-type construction was utilized to achieve this objective. Mooring analysis was performed and vessel mooring layouts proposed to account for the loads imposed during hurricane winds, current, tide, and passing vessels. Phase 1 of the construction work has been completed and Phase 2 is underway. Evaluation and design of rehabilitation to Docks 1 and 1A are also included under Urban's scope of work.

URBAN ENGINEERS
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Benjamin Franklin Bridge
Steel Painting over the Delaware River
Philadelphia, PA

"Protective shielding, netting, and containment measures shield workers and the public from the lead-based paint."

Client: Delaware River Port Authority
Date: 2005
Cost: $1.1 million
Contact: Vijay Pandya
Phone: [redacted]

Urban Engineers (Urban) provided construction management and construction inspection services for preparing the Benjamin Franklin Bridge's surface, removing lead-based paint, and applying a new coating system to the bridge's Camden, NJ and Philadelphia, PA towers. As part of the project, the existing concrete crosswalks were removed and replaced with new steel gratings. Urban's services included reviewing and approving shop drawings and product submittals.

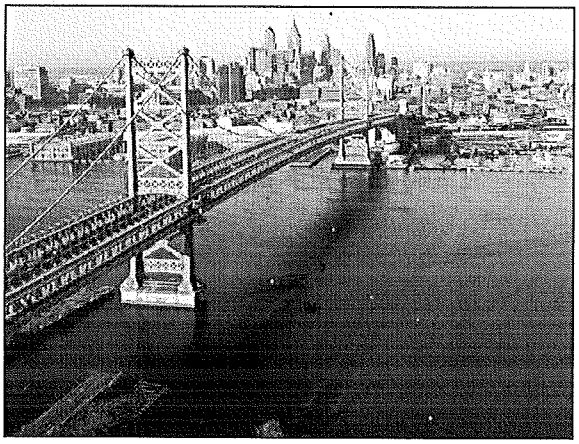
HIGHLIGHTS:

- Review and Approval of Shop Drawings and Product Submittals
- Bridge Surface Preparation
- Coating System Application
- Containment System to Protect Workers and the Public

The scope of work consisted of preparing the bridge surface for application of a new coating system by propelling expendable abrasives or recyclable steel-grit abrasives through a concentrated stream of compressed air to remove leadbased paint down to bare metal. This method was used to clean the steel component surfaces of the Camden and Philadelphia towers. Hazardous waste generated during paint removal operations was collected, transported, and disposed of in compliance with federal, state, and local environmental or other applicable regulations.

Following surface preparation, a new exterior coating system was applied that consisted of an organic zinc rich primer (stripe coat and full coat), full intermediate coat, and a urethane finish coat (stripe coat and full coat). The new interior coating system consisted of moisture cure urethane aluminum primer and a moisture cure urethane aliphatic finish coat.

A critical component was erecting protective shielding, netting, and containment to protect workers and the public from the lead-based paint. All areas where the paint was removed were fully enclosed using impermeable containment materials with seams completely sealed. The system was designed so the bridge's towers and the containment could support the equipment, materials, and workers in addition to being able to withstand adverse weather conditions. Filtered exhaust ventilation provided airflow through the work area and controlled emissions for workers and the public. Specially designed shielding platforms were constructed to protect the driving lanes, pedestrian sidewalks, and Port Authority Transit Corporation's (PATCO) tracks.



The bridge supports seven vehicular lanes that carry more than 100,000 vehicles per day and the PATCO Speedline on the outboard sides. The bridge was coated with lead-based paint during construction in the mid 1920s and the bridge has been re-painted several times since then. The bridge was previously last painted in 1989.

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Walt Whitman Bridge
Suspension Span Deck Replacement
Philadelphia, PA / Camden, NJ

"Deck replacement required complex construction activities while minimizing impacts to 110,000 daily vehicles crossing the bridge."

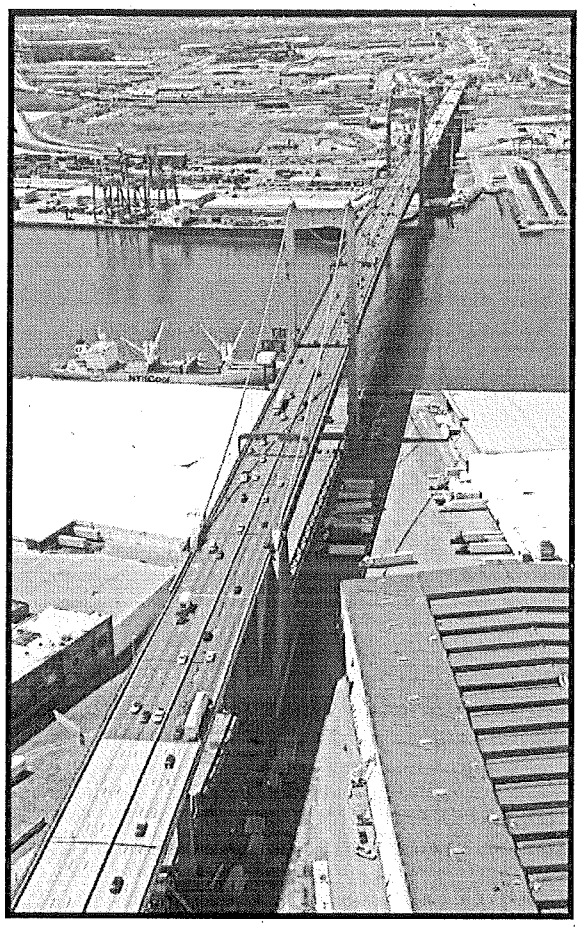
Client: Delaware River Port Authority

The Walt Whitman Bridge, opened to traffic in 1957, provides a critical link between Philadelphia and South Jersey, accommodating 110,000 vehicles per day. The project involves replacing the suspension span grid deck and supporting stringers with a floating grid deck system, and replacing reinforced concrete deck of the anchorages.

HIGHLIGHTS:

- Construction Management/Inspection
- Schedule Monitoring
- Coordination with Bridge Operations

The work includes maintenance and protection of traffic, procurement and installation of a new movable barrier, removal and replacement of four signal gantries, removal and replacement of the suspended span deck and stringer system, floor truss strengthening, removal and installation of new suspended span lateral bracing system, floor truss strengthening, and installation of new suspended span bearings, fabrication and installation of new stringers and diaphragms, fabrication and installation of new lightweight concrete filed grid deck, finger joint replacement, cast-in-place concrete anchorage deck replacement, partial stiffening truss top chord cleaning and painting, and installation of new TL-4 traffic barriers. Also included is modification to under-deck maintenance walkways, ladder relocations, replacement of sidewalk maintenance walkways and support framing, deck truss span partial concrete deck and concrete barrier replacement, saddle enclosure modifications, installation of new asphalt overlay, light pole replacement, relocation and protection of electrical and communication cables, modifications to fire department standpipe system, replacement of existing drainage structures, and signing and pavement markings.



Construction will occur over a four-year duration, using seven "long-term" traffic stages.

The JV Team is responsible for construction management and inspection services. Tasks include monitoring construction activities; coordinating work activities with the DRPA's engineering, bridge operations, and safety departments; monitoring the project schedule; preparing progress payments; chairing progress meetings; and processing technical submittals.

H. Management Approach

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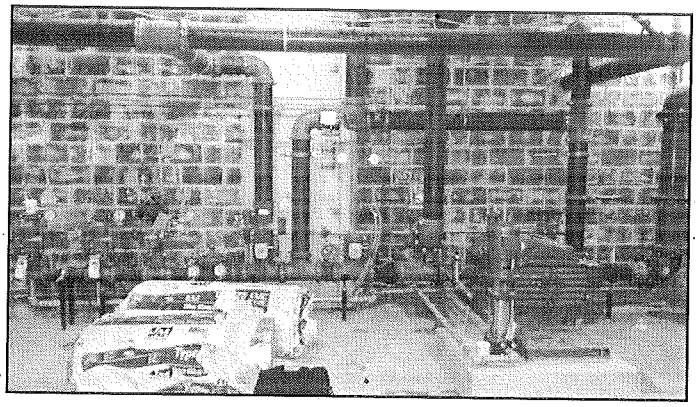
Management Approach

Urban has cultivated a highly successful management approach through years of experience on similar construction management "call in" contracts locally for several New York City and New Jersey clients. We maintain a robust qualified construction inspection work force from which we draw exceptional candidates to serve on various facility and infrastructure construction management and inspection assignments. Our Team will utilize these proven methods on task orders for this "call in" construction management contract for PANYNJ.

Inspection Certifications

Urban is a registered accredited Special Inspection Agency per the rules of the City of New York. This status requires our firm to undergo a rigorous review by International Accreditation Service (IAS) to verify that our procedures and ongoing work complies with the standards of ACI, IBC, ICC, and other guidelines for quality control of construction. Our construction inspection staff is knowledgeable and fully certified in accordance with our Special Inspection Agency status.



Urban presently has more than 20 ongoing assignments on both private and public projects in New York City. To maintain our status, we undergo an annual rigorous accreditation review wherein we demonstrate that our inspectors have current ACI, ICC, and other certifications. To comply with these requirements, we implement a training program for our Special Inspection and Construction Inspection staff wherein we monitor status of their certifications and review their compliance with the rules and regulations of our clients, including the New York City Department of Buildings and the PANYNJ.

Experienced Leadership

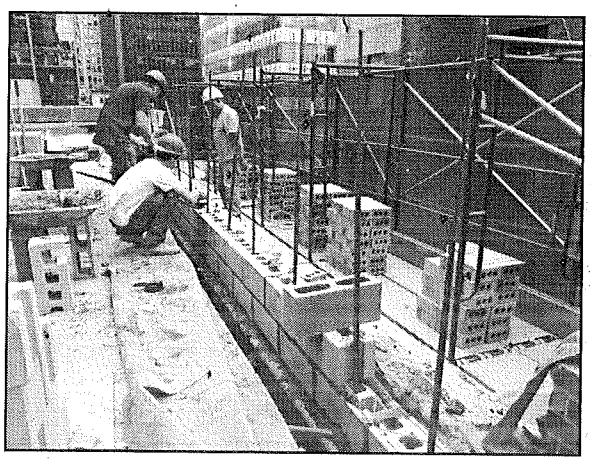
This "call in" construction management assignment with diverse and potentially complex assignments requires a project manager with: an understanding of the needs of PANYNJ; similar experiences that match the anticipated technical challenges; and a demonstrated ability to manage "call in" assignments. Our Project Manager, **Charles "Chuck" King, PE**, is well-known to the PANYNJ from his work on project management and construction management assignments on such projects as PATH Sandy Repairs, World Trade Center Reconstruction, and George Washington Bridge Bus Station Reconstruction. His qualifications include:

- Technical Director for Urbans' Special Inspection Agency #221
- Registered Structural Engineer
- Construction manager on Tappan Zee Bridge Rehabilitation, SEPTA Market Street Elevated Reconstruction, I-87/I-84 (Interchange 17) Reconstruction and other projects
- Manager for several PANYNJ "Call In" Project Management and Construction Management Contracts since the mid-1990's.
- Over 30 years professional engineering experience

Qualified Construction Inspection Staff

Urban has over 450 employees, including a staff of more than 50 professionals located in our New York City Office and 30 professionals in our New Jersey office. In addition, we have over 300 professional staff in our Philadelphia headquarters office, of which over 150 are engaged in construction management and inspection projects.

Our status as an SIA places Urban in a superior position to provide PANYNJ with inspectors who have the right certifications and meet your expectations. We understand that PANYNJ embraces the Special Inspections approach and applies the same rigor to construction management and inspection as that of the New York City Department of Buildings.



Urban is accredited and registered as a Class 1 Special Inspection Agency in over 30 categories of building construction, including structural, civil and all MEP trades.

"Call In" Contract Management Experience

Urban has extensive experience with "Call In" (or On-Call, IDIQ, Task Order) contracts and has been serving numerous clients through these types of contracts for more than 30 years. Our Team will utilize a time-tested procedure for managing "Call In" assignment contracts that has been developed and refined over time. Depending on the nature of the assignment, the project management approach may include the following steps:

- Define assignment scope (in-person or telephone interview).
- Determine staffing, subconsultants, include and define small business or M/WBE participation, identify discipline and other special abilities needed (scheduling, cost estimating, surveying, environmental permitting, etc.).
- Budget man-hours and fee for the task.
- Perform QA/QC reviews of employee performance.
- Attend job progress meetings (if necessary).
- Prepare meeting minutes (if necessary).

Our Team has considerable experience administering "Call In" contracts. Since "Call In" contracts are essentially a series of multiple contracts (tasks) with associated budgets within an overall contract ceiling, it is important to establish and monitor the fiscal and man-hour budgets on a task basis to avoid cost overruns. Our Team utilizes comprehensive spreadsheets and electronic programs, improved and adjusted over the years, to manage each task in the contract. The same spreadsheets are also used to track invoicing on a line item basis to confirm that billing is registered against the proper task, and to monitor small business or M/WBE participation.

Our knowledge of PANYNJ policies and procedures, facilities, and organizational structure, combined with our experience managing similar construction management "Call In" agreements, provides us with an understanding of the needs of the PANYNJ and, in turn, allows us to develop a management approach that will allow for the successful and timely execution of assignments. Among the identified needs are:

Project Communications

We are committed to being local. Urban has a New York City office conveniently located to all the PANYNJ facilities and offices, thereby maximizing our Team's ability to coordinate our task order design work with the PANYNJ staff. Our approach will include bi-weekly face-to-face meetings, with on-line access for those who cannot attend, between the Urban Team and the PANYNJ Engineering and Line Departments as well as stakeholders, such as airlines and tenants, outside agencies and federal agency (FAA, FTA, FEMA) personnel.

Urban utilizes a software-based project information management system (Project Share). The project information management system manages the information distribution for the Team, as well as

providing you with access and updates on our coordination and progress. The system is used to track files, submissions, and comments, as well as schedule coordination and stakeholder meetings. During design, the software is used to transfer CAD files, reports, and specifications. During construction the software is used to coordinate and track requests for information, shop drawings, and submissions for reviews, and distribute and review meeting minutes.

In addition to the file management, the project team will utilize conference calls and webex meetings to discuss the tasks, identify issues, and coordinate the design between disciplines that are in various offices in New York, New Jersey, and Pennsylvania.

Timely Response

Urban is prepared to respond immediately to the PANYNJ request for task order services. A "Call In" agreement is a mechanism used to expedite work and it is imperative that the consultant respond to PANYNJ request in a timely manner. Furthermore, on-call assignments often involve construction and/or engineering tasks that address impacts to the traveling public or resolve important safety issues, activities that are critical to maintaining operations for PANYNJ clients. Recognizing that a timely response is critical to the success of an assignment, Urban prepares to respond long before an individual task order is issued. First, through the significant resources available to our Team, we are able to identify experienced, knowledgeable, available individuals, allowing the "right" Team to be quickly assembled and mobilized.

We will routinely meet with PANYNJ staff to ascertain what on-call assignments may be forthcoming. Additionally, an accurate and responsive proposal will be prepared and submitted, in accordance with the PANYNJ requirements.

Diverse Resources

The PANYNJ requires a consultant Team with diverse resources. The PANYNJ's needs are as varied as the facilities it operates and maintains and the consultant Team must be prepared to provide a wide range of construction management and engineering services. Inspectors, construction managers, engineers, schedulers, estimators, and claims specialists must be available to respond to the PANYNJ tasks.

Familiarity with PANYNJ

The PANYNJ needs a consultant Team that can begin work immediately following awarding of the contract. Urban is familiar with the PANYNJ operations and procedures and we can respond quickly, perform task assignments accurately, and require minimal guidance from the PANYNJ staff.

Our Team understands the PANYNJ policies, protocol, and procedures and the operational characteristics of the facilities. In addition, most of our proposed staff have worked on PANYNJ facilities. This experience will eliminate learning curves, expedite issue resolution, and facilitate coordination among PANYNJ departments and stakeholders, as we intend to serve as an extension of your staff.

One Point of Contact

Mr. Charles "Chuck" King, PE, our Project Manager, will serve as the PANYNJ "one point of contact." Mr. King will evaluate each Task Order Request and determine the optimum staffing and resources needed to efficiently complete the assignment. As Urban's project manager he will be responsible for oversight of staff once assigned to a specific task. Our approach promotes continuity among concurrent task order assignments, presents clear lines of communication for our staff, and provides PANYNJ with one point of contact accountable for performance in a timely manner.

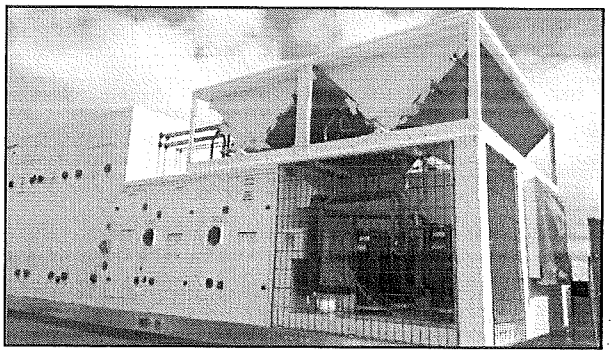
Minority and Women Owned Business Participation

Urban maintains strong working relationships with several Minority and Woman Owned Business Enterprises. We select our M/WBE partners based on the need in the scope of work from the client. For instance, a structural engineering assignment needs a qualified structural or civil firm; therefore we review qualifications of the M/WBE firms in our pool and select the most qualified firm for the project.

With the scope of tasks unknown at this stage, Urban is reserving our selection of consultants until we start receiving task order requests. Upon receipt of the Task Order Requests, we will select the best qualified M/WBE firms to assist us with the assignment and use our best effort to meet or exceed the participation goals of 12% MBE and 5% WBE.

Approach to Performing Requested Construction Management Tasks

Task A. Constructability/Biddability and General Engineering



If requested, Urban will actively participate in the design phase, which will afford it the opportunity to establish **Urban's Integrated Constructability Evaluations (ICE) Program** early on. The **ICE Program** enables designers to produce high-quality, cost-effective design documents that can reasonably be constructed in the field without unnecessary cost or project delays, and without sacrificing quality. When initiated early in the design process and continued throughout the design, **Urban's Integrated Constructability Evaluations typically produce a return on investment of up to 25:1.**

Urban has identified millions of dollars in savings as a direct result of the constructability reviews we have performed on over $3 billion worth of construction. Urban's constructability reviews are performed by a Team of individuals who are former contractors with extensive field experience, as well as a clear understanding of the design, the constraints of the project site, and the concerns of the various regulatory agencies involved with the project.

At every phase of design, the project's proposed plans and specifications are subjected to a detailed constructability review performed from a contractor's perspective. These reviews are distinctly different from other design reviews. Our reviewers utilize a checklist tailored to the type of project. Our checklists have been developed for highway/bridge, transit, and marine projects. For example, transit checklists require the reviewers to address the following items:

- Impact on the Railroad, Airport, Port, etc. - Are access and protection requirements determined?
- Operations
  - Is third party or Force Account work required?
  - How does the work influence pedestrian and vehicular circulation, paths of travel and use of the facility?
- Temporary Access - Is the work on or near the Right-Of-Way (ROW)?
- Coordination - Is interface between new and existing facilities and equipment shown?
- Time – Is the project duration adequate?
- Site Constraints - Are property lines/easements clear and documented?
- Safety – Has the project plan accounted for protection of the public and workers?

The Team will visit the project job sites to identify existing site conditions that could impact the success of the project, including utility locations, contractor access, commercial and residential access, laydown and storage areas, among other site features.

As part of its constructability review, Urban will evaluate the design requirements and specifications, including establishment of unit price elements and rates, and terms and conditions of the contract packages to minimize the likelihood of ambiguous, omitted, or redundant terminology.

Urban will evaluate any anticipated tests, pricing, or unit (material) allowances for reasonableness in consideration of the anticipated site conditions and construction means and methods. Urban will provide an independent evaluation of key contract terms, such as insurance and bonding requirements, payment terms, and change order/dispute policies to foster a mutually agreeable template contract that should encourage competition. We will also advise relative to market trends, material shortages, and resource issues that could influence pricing and interest.

Lastly, Urban will evaluate the overall bid schedule to provide a comprehensive, clear, and understandable pricing mechanism that will avoid protests based on ambiguities or redundancy within the bid schedule.

Task B. Construction Staging

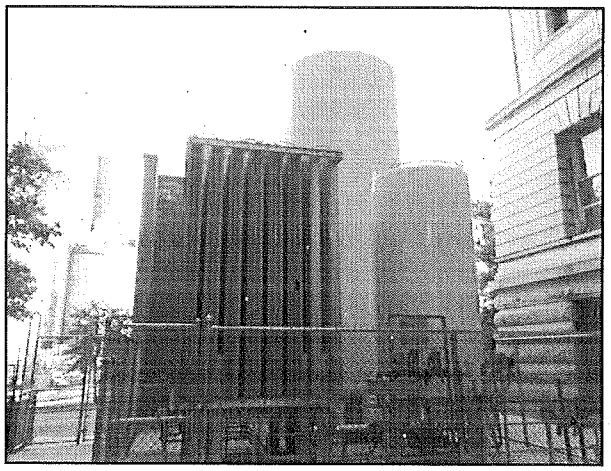
At the very outset, after receiving NTP, Urban will conduct a thorough review of the related documents, sequencing, bid package alternatives, long lead procurements, estimated fabrication and delivery times, third-party constraints and interfaces, vehicular and patron circulation, Force Account requirements, ROW status, operational requirements, and utility conflicts. Each of these elements must be addressed if a successful staging of construction is to be developed.

Urban is experienced in both design and construction management and knows how to integrate construction planning into the design phase of a project.

The earlier the construction manager gets involved, the greater the positive influence on the documents, thus defining the scope and parameters for the construction effort and enabling the contractor to better cost the job. The procurement will be more effective, prices will more accurately reflect reality, resulting in an avoidance of claims.

Once the construction phase is initiated, Urban will receive construction staging plans submitted by the general contractor (GC). Urban will review the sequencing of these construction activities for discussion with PANYNJ. These discussions will result either in comments for the GC's action or in a recommendation for approval.

During construction, as the job progresses, variations in the work plan may become necessary. If a schedule update indicates that a contractor has fallen behind schedule, a contractor-generated revision, or recovery schedule, will be required to illustrate how the lost time will be recovered. We will analyze the contractor-generated revision and recommend to the PANYNJ whether a modification to the baseline schedule is appropriate. Requests and directions to modify the schedule will be reviewed and analyzed for resulting implications prior to approval and implementation.



Change Orders involving a modification to contract schedule must include a time-impact analysis (TIA) to demonstrate the delay of specific work activities and establish the magnitude an impact may have on the overall project or intermediate milestones. Urban will evaluate TIAs received from the contractor for entitlement, reasonableness, and quantification. We will actively investigate alternatives to any proposed

TIAs as a means to mitigate or eliminate the delay. Actions such as changing the construction sequence, utilizing additional forces, or increasing daily work hours are some of the alternatives that will be analyzed.

Task C. Schedule Development and Monitoring

Just like labor, equipment, and materials, time must be used judiciously to build a project, and it is therefore essential to adequately plan and monitor the progress against the plan to confirm that optimal performance can be obtained. Any organization involved in construction on a regular basis must have an orderly and effective time management philosophy and a schedule of performance.

The bidding documents will be reviewed for relevancy and thoroughness of scheduling content information. A particular project may require tailored standard specifications, a set of supplementary conditions, or a set of special conditions detailing the contractual requirements for scheduling the project, coordination, or work zone availability. Such conditions may call for special scheduling efforts, the frequency of an update cycle, requirements of performance, liquidated damages, or binding milestones.

Urban will attend and participate in a pre-construction conference and pre-bid conference, if so desired. The pre-construction conference will be used as a workshop for the parties involved, where the requirements, duties, and responsibilities relating to the schedule can be emphasized. If necessary, a presentation as to the scope and sequencing of the conceived project can be made.

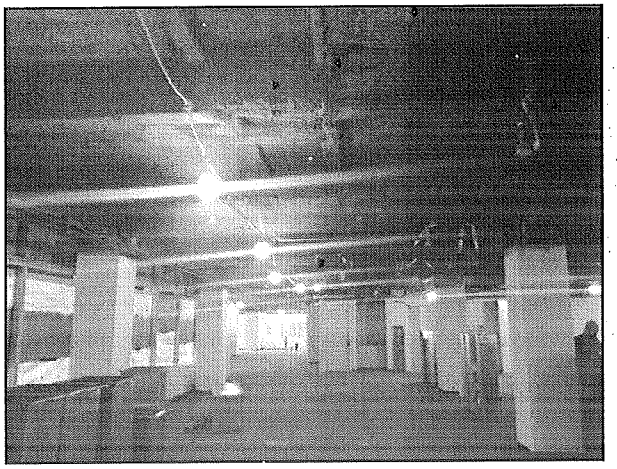
Urban will review the contractor's submitted detailed CPM construction schedule for thoroughness, clarity, and practicality of construction and will make comments and offer suggestions for schedule logic, timing, and coding for the development of a reasonable schedule. Urban will keep the PANYNJ and appropriate parties apprised of the contractor's schedule development progress. The schedule must be a reasonable approach to the project, have adequate detail, and show any coordination efforts required to keep the project running on time.

The intent is to plan and monitor the progress of the project and to make progress payments to the contractor. It is critically important that a suitable and accurate construction schedule that delineates the project in that fashion be developed and accepted. Urban will make recommendations on the schedule and their updates for approval or rejection, depending on its suitability, and offer corrective comments as necessary.

Monthly job site meetings will be held to document the contractor's construction progress. Meetings will be used to gather project status updates and negotiate future project status milestones if necessary, so that the project schedules are accurate and can predict the timing of future events. During the monthly schedule update, a site walk, where the aspects of the construction are observed, is conducted so that there is confidence in the project status. Appropriate photographs are taken to document the project status. The status update meeting will also be used to identify problems encountered in the update cycle and formulate possible solutions for regaining lost time.

Schedule updating is a dynamic process that calculates revised performance times of the remaining work on the project. The timing of remaining work is based on the performance of current work and, because of that, each update will vary when it shows future work being performed. Because the schedule will vary from update to update, it is important that an analysis be conducted and a record kept of the project status for a particular update. The schedule update will include the work accomplished to date, as well as the remaining work on the job, identifying the critical path and any near critical work tasks. A narrative about the status of the job and any other important points that may have occurred over the intervening update cycle will be prepared.
Change orders that are issued to the contractor will be analyzed for the time impact on the overall project. Changes to non-critical items that affect the contractor's ability to progressively work will be

noted and incorporated into the schedule. Change orders that have an effect on the contractor's critical path will be analyzed for possible work-around plans in order to mitigate the change's impact.



A recovery schedule is necessary when the construction contractor falls behind schedule, forcing the project to be completed later than required. Urban will review the work elements and collaborate with the contractor in identifying methods to recover the lost time and finish the contract on its originally scheduled date. The schedule represents the contractor's best estimate of the tasks, timeframes, and relationships necessary in order to proceed with the construction project. Frequently, a workshop is used to identify work, relationships, and alternate methods that can be used to better the contractor's approach to the work. If such a workshop can lead to regaining lost time, it will be used to prepare the contractor's recovery schedule.

The baseline schedule represents the contractor's initial approach to working on the project. As the project proceeds, frequently a contractor will change methods or equipment used to construct the project. The schedule must always reflect the contractor's current approach to work. Revising the schedule to reflect the contractor's revised approach may be necessary. Any acceptable revisions will be facilitated and incorporated into the schedule.

Task D. Quality Assurance Inspection

Practical construction experience and sound engineering judgment, combined with a thorough understanding of project requirements, are the key ingredients in a successful construction inspection program.

Urban will provide competent and well-trained personnel from its staff of Resident Engineers and Inspectors to monitor construction activities and perform administrative services. **Our staff will be selected specifically for each on-call assignment and will be based on certification, training, qualifications and experience working on PANYNJ projects and/or projects with similar construction activities and challenges.** Our inspection Team is identified in the included organization chart and accompanying resumes. We take pride in the depth of our inspection force and have presented a deep team of qualified inspectors with experience in transit, facilities, airports, marine, tunnel and bridge construction and rehabilitation.

Our inspectors will: provide a comprehensive and continuous full-time, on-site field organization to monitor that the construction is being performed in accordance with the requirements of the contract documents; identify and have non-compliant work corrected in an efficient manner; and prepare detailed daily inspection reports, documenting the activities for which they were responsible.

An effective field inspection and documentation program is an important tool used in the delivery of a successful project. The goal of construction inspection is to monitor and document conformance to requirements and early identification and correction of nonconforming work.

Unacceptable Work or Materials – During construction, monitoring and inspection of work by our inspectors will be carried out in accordance with the requirements of the individual activity. Upon identifying non-conforming or unacceptable work, the inspector will make a judgment as to the severity of the problem and whether he can implement a corrective action on his own or whether to seek assistance. If the inspector has any doubt whether work conforms to project requirements, he will

immediately seek the assistance of the lead inspectors and/or the resident engineer. On a daily basis, the inspector will document deficiencies in work via the Daily Inspection Report.

After identifying a defect or problem, it is important that the root cause of the deficiency be identified and corrected so the defect will not be repeated. Frequently, this may be accomplished by a discussion of the problem between the inspector and the contractor's foreman or superintendent. If this approach is not successful or if the root cause of the problem is beyond the control of the contractor's field staff, e.g. delivery of defective materials, the inspector must obtain assistance. If the problem cannot be expeditiously resolved, the resident engineer will notify the PANYNJ, evaluate the circumstances, and recommend remedial action(s). Instances of defective work not immediately corrected in the field will be documented.

Daily Inspection Report – On a daily basis, each inspector will prepare a written report documenting the activities for which they were responsible. Inspection reports will include a brief description of the work performed, manpower and equipment utilized, material and/or pay quantities, weather conditions, and observations. The resident engineer and/or the lead inspector will carefully review daily inspection reports and promptly resolve errors or discrepancies. If requested, we can prepare a weekly summary level report, incorporating pertinent information from the daily inspection reports and transmitted electronically to the appropriate PANYNJ personnel.

Task E. Contract Administration

Change Orders – Urban's philosophy is to minimize change orders during construction by maximizing our pre-construction reviews and assessments. However, differing site conditions from those anticipated during design or revised design requirements provide potential for changes to contract work. Efficient handling and management of changes is critical to the project's success.

Frequently, changed work can proceed at no additional cost to the contract and can be performed within the originally scheduled time frames. Our Team fully understands the importance of keeping costs within the project funding limitations, and it has always been our practice to attempt to mitigate potential project overruns without sacrificing project integrity.

Urban will evaluate each proposed change relative to need and/or desirability; the reasonableness of the costs involved; and the impact it will have on the environment, traffic, community, other construction contracts, and schedules. Change requests submitted by the contractor will be reviewed to determine the entitlement of the change.

A structured and consistent procedure for handling contract changes on a project is a key element of our approach to construction management.

Equitable and timely disposition of contract changes will produce a beneficial ripple effect far beyond any individual issue. Having performed this task on many task order-type assignments, our Team is intimately familiar with the process, including: prompt identification and notification to the PANYNJ; preparation of an independent estimate (Task F) and/or schedule; tracking of the Request for Quotation; review of the contractor's proposal; negotiations; preparation of a comprehensive Post Award Contract Change (PACC) package and change order. Our Team's construction managers and estimators are prepared to generate independent cost estimates for contract change orders to be used as the basis for negotiating final terms with the contractor.

The Urban field team will maintain a Change Order Log that is updated regularly and is to be reviewed and "checked against" with every Pay Application submitted by the Contractor.

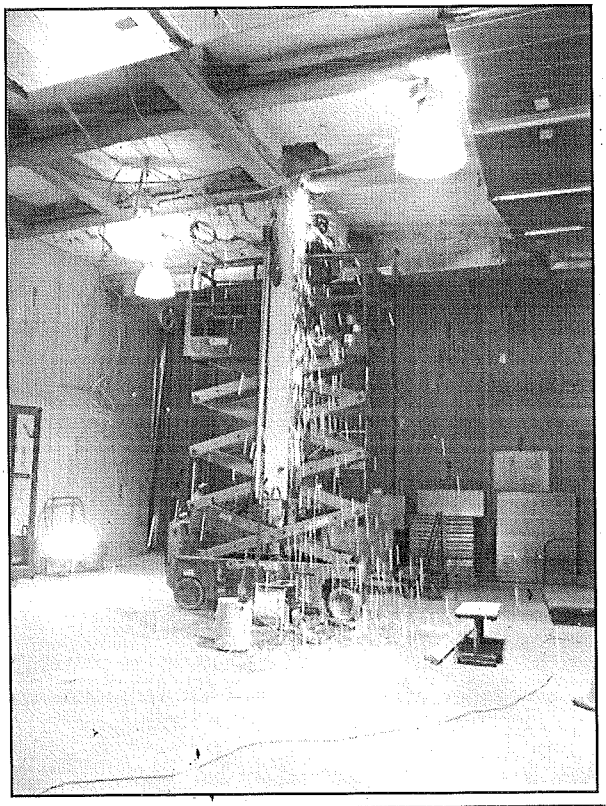
Status Reporting Document Control – In today's time- and budget-conscious environment, managing project documentation is integral to overall project execution. A comprehensive document control system will provide the necessary communication for tracking project documents and expediting outstanding correspondence and submittals.

Urban will log incoming and outgoing documents, including correspondence, submittals, memos, RFIs, schedules, reports, and logs, into the document control system on a daily basis. Each document will be electronically inputted and will include the tracking number, organization sending, organization receiving, subject description, and necessary comments. The document control system will track and link documents and their respective responses on a project, and the appropriate action will be noted.

Reports showing answered or outstanding correspondence and average contractor, designer, and owner response time will be available for internal use or for review during Contract Status Meetings. Back-ups of the document control system will be performed to minimize the possibility of losing data.

Attending Progress Meetings – Urban will attend progress meetings and, if requested, assist the PANYNJ in preparing for and conducting meetings with the contractor and other appropriate agencies, as required. At these meetings, the progress of the previous period will be reviewed, the impact of schedule slippages or advancements will be assessed, the contractor's work plan for the next work period will be discussed, manpower and equipment resources will be quantified by the contractor, and any special problems or concerns will be addressed.

Progress Meetings will be a forum to review problem areas, evaluate alternatives, and discuss resolutions. Urban will track the resolution process to monitor that action items do not "fall through the cracks." Our Team's primary function at the Progress Meetings will be to promote and maintain effective job communications and document that stakeholders have a clear understanding of the critical issues involved.



A standard meeting format, structured to report progress and address project issues, has been developed during the course of conducting thousands of Progress Meetings. Below is the typical meeting agenda we propose:

- Discuss safety issues
- Discuss schedule-related issues
- Review status of old issues and record new issues
- Review environmental, permitting, and public concern issues
- Review open contractor submittals
- Review the contractors' supervision, work force, and equipment
- Partnering items

Task F. Cost Engineering/Estimating Services

Urban will provide cost engineering and estimating services throughout the design and construction phases of the various projects in accordance with the PANYNJ's "Construction Estimating Guide." The cost estimating tasks will begin early for projects under

design. Initial budgets will be confirmed or developed, as needed. Subsequently, revised cost estimates will be prepared at key milestone junctures.

For projects under construction, our estimating professionals will prepare estimates of anticipated change orders and review contractor prepared cost estimates. The estimators will also be responsible for financial analysis, cost trending, and cost tracking during construction.

To improve the accuracy and applicability of our cost estimates, we use an approach similar to a contractor's estimating process in which detailed crew analysis is used, rather than unit prices. The estimate is developed so that there is a detailed analysis of direct costs, indirect costs, overhead and profit, and anticipated risks. Any assumptions used will be clearly indicated. Material costs are obtained from price quotes solicited from local vendors. This approach allows the estimate to reflect the precise conditions to be expected during construction and accordingly reflect productivity.

Task G. Resources

Urban has a robust staff of qualified Construction professionals in our New York City office who are ready and able to work on PANYNJ assignments. We have over 80 professional employees located in our New York City and New Jersey offices. Additionally Urban has over 300 employees in our Philadelphia Headquarters, one half of this staff is experienced in Construction Management and Inspection.

Urban has a strategic alliance with Orange County based Advance Testing Company (ATC), a Material Testing and Special Inspection consulting firm. ATC serves Urban for soil testing (compaction, etc), concrete sampling and testing, structural steel weld testing, asphalt tests and masonry sampling. In addition ATC has a robust laboratory where they perform various ASTM tests on the majority of building materials.

We also maintain relationships with specialty testing companies for items such Radiographic weld tests, Ultrasonic and dye penetrate testing as needed for DOB inspections.

Due to our experience in the field of Special Inspections and Construction Inspections, Urban has the capability to perform all necessary tests and inspections as needed by the PANYNJ for projects at all facilities.

I. Firm's Affiliates

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Firm's Affiliates

Urban Engineers, Inc. is a former affiliate via common ownership. Urban Engineers, Inc. became 100% employee owned (ESOP) effective December 30, 2013. Urban Engineers of New York, P.C. and Urban Engineers, Inc. still share common management.

Urban Engineers of New York, P.C. is registered and authorized to do business in New York, and Urban Engineers, Inc. is registered and authorized to do business in New Jersey. Any New Jersey-based assignments issued under this Agreement will be performed by Urban Engineers, Inc. as a subconsultant to Urban Engineers of New York, P.C.

J. Conflict of Interest

URBAN ENGINEERS
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Conflict of Interest

We have reviewed and considered the General Conflict of Interest (Section, I.) requirements and restrictions included in the RFP documents, and we offer the following for your consideration:

PROPOSER POTENTIAL CONFLICTS

Urban Engineers of New York, P.C. ("Urban" or "Proposer") has identified the following active agreements that may give rise to conflicts of interest with assignments to be issued under this Agreement:

1. Integrity Monitoring at the Tower One (Freedom Tower) at the World Trade Center site for the PANYNJ, as a member of a joint venture with Fortress Monitoring Group;

2. Performance of Expert Professional Planning, Project Management and Related Services as Requested on a "Call-In" Basis for PATH - P.A. Agreement #PAT-10-005 as a member of The Louis Berger Group/Urban Engineers Joint Venture;

3. Performance of Expert Professional Project Risk Analysis and Related Project Management Services as Requested on a "Call-In" Basis - P.A. Agreement #COO-11-023;

4. Performance of Expert Professional Tenant Alteration Application (TAA) Code Review Services as Requested on a "Call-In" Basis - P.A. Agreement #405-13-035; and

5. PMO assignments for the Federal Transit Administration in New York City, could create a conflict of interest with Task Orders issued under this Agreement.

PROPOSER MITIGATION STATEMENT

To the extent any of the Task Orders issued under this Agreement would give rise to an actual or potential conflict of interest (COI) relative to any of the agreements listed above, Urban will immediately notify and work with the PANYNJ to avoid, neutralize, or mitigate those COIs.

Mitigation measures will be developed on a Task Order-by-Task Order basis and may, depending on the circumstances, include implementation of an organization firewall, delegation of duties to non-conflicted subconsultants, Urban not submitting a proposal on a Task Order where conflicts exist, or other suitable mitigation measures as approved by the PANYNJ.

PROPOSER EMPLOYEE/SUBCONSULTANT POTENTIAL CONFLICTS

During the Agreement and task order performance periods, Urban will take a proactive approach to avoid conflicts of interest for our employees and our subconsultants. Urban believes that proactive conflict avoidance begins with an understanding of the restrictions and requirements, and we offer the following for your consideration:

a. Urban's ongoing business ethics and conduct awareness training program and Standards of Conduct and Business Ethics are design to facilitate timely discovery of actual or potential personal conflicts of interest with any of our employees working on, or having access to, information concerning any of our clients. Employees are required to immediately report any such conflict to Urban for consideration and resolution.

b. To the best of our knowledge, information, and belief, as of the date of our Proposal, no actual or potential conflicts of interest exist for any Urban employee relative to this proposed Agreement.

c. Urban subconsultants, if any, will be contractually required to comply with the Authority's General Conflict of Interest and Organizational Conflict of Interest requirements and restrictions. Agreements with our subconsultants will include provisions to address conflict of interest requirements, including: (1) a requirement to provide Urban with up-to-date conflict of interest information during the contract and task order performance periods, (2) a requirement to provide us with immediate notification of any corporate mergers, acquisitions, and/or divestures that may present a potential conflict of interest, and (3) requirements for subconsultants to immediately notify Urban of any actual or potential personal conflict of interest with regard to any of its employees working on, or having access to, any information regarding the contract.

PROPOSER EMPLOYEE/SUBCONSULTANT MITIGATION STATEMENT

a. As mentioned above, Urban administers an ongoing business ethics and conduct awareness training program for its employees as part of its Standards of Conduct and Business Ethics. This is an ongoing effort and will continue through the duration of this Agreement. Urban personnel who will perform work under this Agreement, or relating to any Task Order issued under this Agreement, will be reminded of their obligations to immediately report personal conflicts of interest to Urban.

   If at any time an actual, apparent, or potential personnel/individual conflict arises with any of Urban's employees, we will immediately notify the Authority. The notification will identify the conflict or potential conflict and will also include the proposed actions taken to avoid or mitigate the conflict of interest, up to and including removing the employee from the Agreement/Task Order.

b. Urban will contractually require its subconsultants to immediately notify us of any actual or potential conflicts of interest concerning the organization and any of its employees working on or having access to any information regarding the Agreement.

   In addition to contractual requirements, Urban will utilize the following measures in an effort to mitigate/avoid conflicts with our subconsultants and their employees:

   1. Use non-conflicted subcontractors. A deep pool of qualified subconsultants provides the opportunity to engage not-conflicted subconsultants, while isolating conflicted subconsultants.

   2. Sever relationships that create actual or potential conflicts. At times, a subcontractor may have to be removed from the program to avoid organizational/personal conflicts of interest. We will work closely with the Authority in making such determinations.

   3. If at any time an actual, apparent, or potential conflict arises with any subconsultant or their employee(s), Urban will immediately notify the Authority. The notification will identify the conflict or potential conflict and will also include the proposed actions taken to avoid or mitigate the conflict.

K. Exceptions to the Standard Agreement

URBAN ENGINEERS
Formulating Excellence®

Exceptions to the Standard Agreement

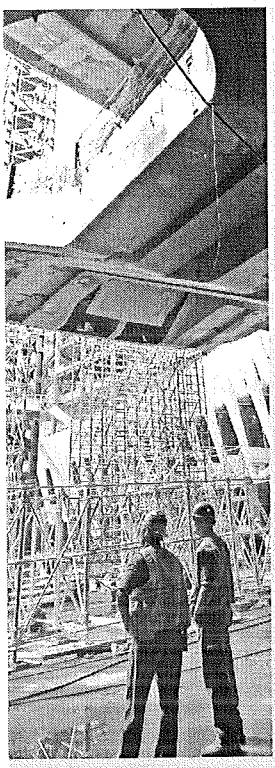
We have reviewed the Terms and Conditions / Sample Agreement included in the RFP. Based on our review, we offer the following exceptions and requested modifications pursuant to Section J of the Submission Requirements. In submitting these exceptions/requested changes, our intent is to help achieve mutually agreeable language that provides the PANYNJ with appropriate terms and conditions that protects its interests, while at the same time being insurable for the benefit of the PANYNJ and Urban Engineers.

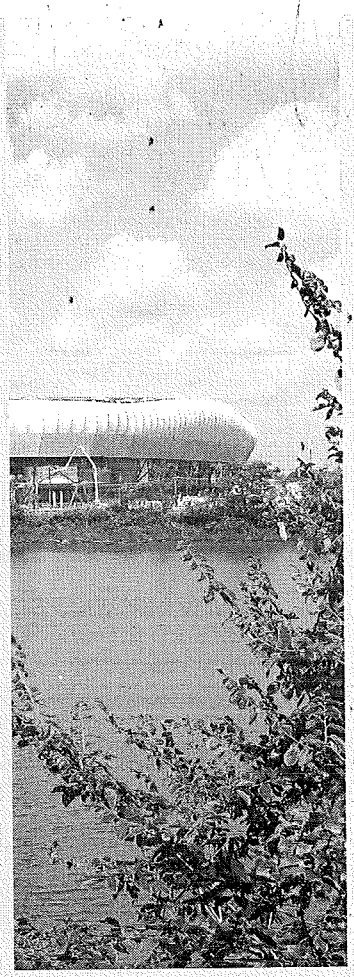
1.) 26 Insurance

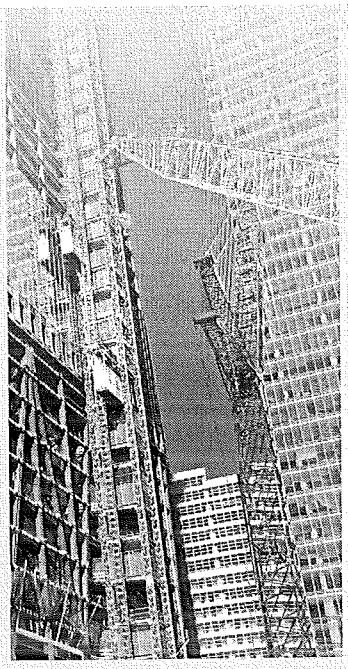
A (1) The insurance requirements at VII A(1) state that the consultant shall provide Commercial General Liability and Auto Liability Insurance each in the amount of $25MM (combined single limit). Urban currently carries Commercial General Liability in the amount of $1MM ea occ./$2MM agg and Auto Liability in the amount of $1MM combined single limit. Urban also has an umbrella/excess policy in the amount of $10MM ea occ/ $10MM gen agg that sits on top of these policies, effectively giving us $11MM ea occ / $12MM agg of Commercial General Liability and $11MM CSL of auto insurance.

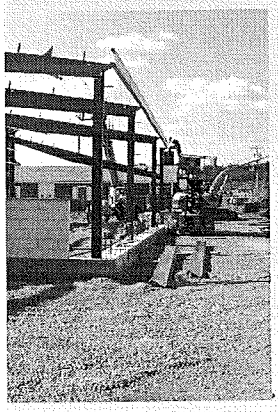
If selected, Urban is proposes meeting the required Commercial General Liability and Auto Liability Insurance limits by placing an additional excess/umbrella policy. Urban respectfully requests that the PANYNJ accept this proposed arrangement to meet the limits cited in the RFP documents-kindly confirm.

C (1) Please note that our professional liability insurance policy ($5MM/$5MM) is written on a per claim basis and not a per occurrence basis (coverage for full prior acts). This has been acceptable to the PANYNJ is the past and we assume will not be an issue in this case either – kindly confirm.









Louis Berger

Professional Services for

Expert Professional Construction Management and Inspection Services

As Requested On a "Call-In" Basis during 2015 through 2018

RFP Number 39274
The Port Authority of NY & NJ
September 18, 2014

ORIGINAL

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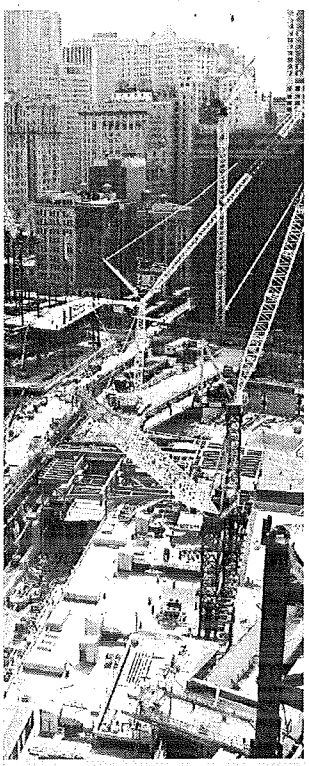
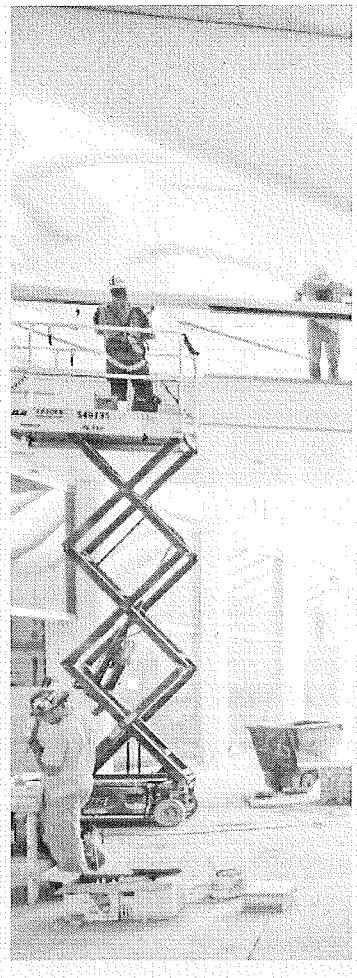
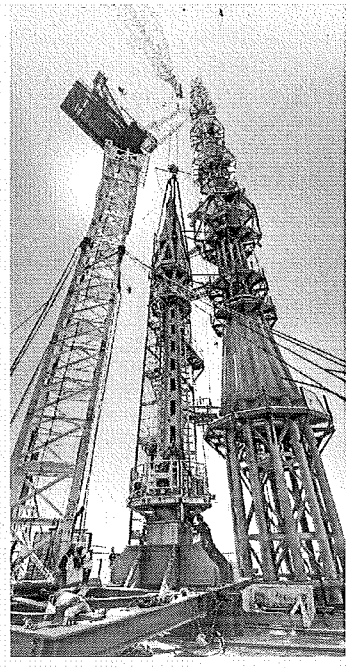
Forms







A.

Attachment B –
Agreement on Terms of Discussion

ATTACHMENT B

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

AGREEMENT ON TERMS OF DISCUSSION

The Port Authority's receipt or discussion of any information (including information contained in any proposal, vendor qualification, ideas, models, drawings, or other material communicated or exhibited by us or on our behalf) shall not impose any obligations whatsoever on the Port Authority or entitle us to any compensation therefor (except to the extent specifically provided in such written agreement, if any, as may be entered into between the Port Authority and us). Any such information given to the Port Authority before, with or after this Agreement on Terms of Discussion ("Agreement"), either orally or in writing, is not given in confidence. Such information may be used, or disclosed to others, for any purpose at any time without obligation or compensation and without liability of any kind whatsoever. Any statement which is inconsistent with this Agreement, whether made as part of or in connection with this Agreement, shall be void and of no effect. This Agreement is not intended, however, to grant to the Port Authority rights to any matter, which is the subject of valid existing or potential letters patent. The foregoing applies to any information, whether or not given at the invitation of the Authority.

Notwithstanding the above, and without assuming any legal obligation, the Port Authority will employ reasonable efforts, subject to the provisions of the Port Authority Freedom of Information Code and Procedure adopted by the Port Authority's Board of Commissioners on March 29, 2012, which may be found on the Port Authority website at: http://www.panynj.gov/corporate-information/pdf/foi-code.pdf, not to disclose to any competitor of the undersigned, information submitted which are trade secrets or is maintained for the regulation or supervision of commercial enterprise which, if disclosed, would cause injury to the competitive position of the enterprise, and which information is identified by the Proposer as proprietary, as more fully set forth in the FOI Code, which may be disclosed by the undersigned to the Port Authority as part of or in connection with the submission of a proposal.

Louis Berger Group, Inc.

(Company)

9/16 D. Willis

(Signature)

Jeffery D. Willis, Senior Vice President

(Title)

September 18, 2014

(Date)

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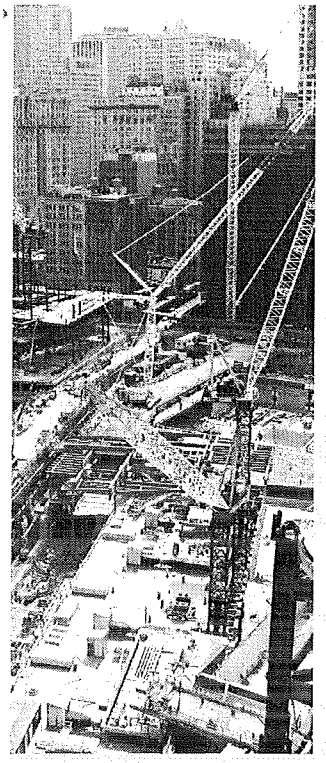
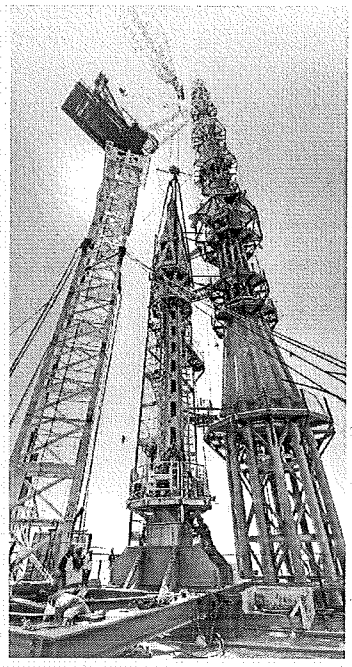




B.

Attachment C – Company Profile

ATTACHMENT C

COMPANY PROFILE

REQUEST FOR PROPOSALS FOR THE PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND INSPECTION SERVICES AS REQUESTED ON A "CALL-IN" BASIS DURING 2015 THROUGH 2018 (RFP #39247)

1. Company Name (print or type):
   Louis Berger Group, Inc.

2. Business Address (to receive mail for this RFP):
   48 Wall Street, 16th Floor, New York, New York 10005

3. Business Telephone Number: 212.612.7900

4. Business Fax Number: 212.363.4341

5. Firm website: www.louisberger.com

6. Federal Employer Identification Number (EIN): _____

7. Date (MM/DD/YYYY) Firm was Established: 05 / 08 / 1963

8. Name, Address and EIN of Affiliates or Subsidiaries (use a separate sheet if necessary):
   See attached

9. Officer or Principal of Firm and Title:
   Thomas Lewis, PE, JD, President

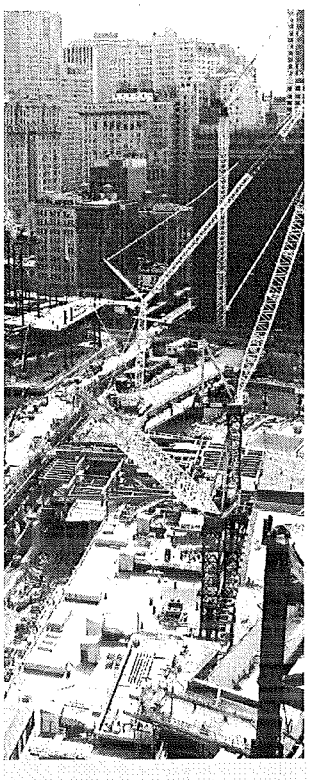
10. Name, telephone number, and email address of contact for questions:
    Jeffery D. Willis, Senior Vice President, 202.303.2742, jwillis@louisberger.com

11. Is your firm certified by the Authority as a Minority-owned, Woman-owned or Small Business Enterprise (M/W/SBE)? ☐ Y ☒ No (Not a M/W/SBE firm)

If yes, please attach a copy of your **Port Authority** certification as a part of this profile.

If your firm is an M/WBE not currently certified by the Authority, see the Authority's web site – http://www.panynj.gov/business-opportunities/supplier-diversity.html, to receive information and apply for certification.

Louis Berger - List of Affiliates/Subsidiaries		
Firm	**Corporate address**	**FEIN**
Berger Group Holdings, Inc.	412 Mount Kemble Avenue, P.O. Box 1946, Morristown, NJ 07962	
Louis Berger Consulting Private Limited (India)	Plot No. B 3-6, Sector 31, Gurgaon, 122001, India	None
Louis Berger Incorporated, Nigeria	110 Lewis St.; 6th Floor; Lagos, Nigeria	None
Louis Berger International, Inc., Korea	412 Mount Kemble Avenue, P.O. Box 1946, Morristown, NJ 07962	
Louis Berger Route Yaounde S.A.R.L	c/o AIC PROGETTI, B.P. 14428, Yaounde, Cameroon	None
Louis Berger Water Services, Inc.	111 Market Place, Ste. 1020, Baltimore, MD 21202	
The Louis Berger Group (Domestic), Inc. fka Louis Berger & Associates, Inc.	412 Mount Kemble Avenue, P.O. Box 1946, Morristown, NJ 07962	
Wuhan Louis Berger Tech. Engineering Co., Ltd.	37, Qingshanzheng Street, Qingshan District, Wuhan, China	None



C.

Transmittal Letter

Louis Berger

September 18, 2014

The Port Authority of New York and New Jersey
Procurement Department
Two Montgomery Street, 3rd Floor
Jersey City, NJ 07302
Attn: RFP Custodian

RE: Request for Proposals for the Performance of Expert Professional Construction Management and Inspection Services As Requested On a "Call-In" Basis during 2015 through 2018– RFP No. 39247

Dear RFP Custodian,

The Louis Berger Team is especially well suited to provide the Port Authority of New York and New Jersey ("Port Authority", "the Authority", or "PANYNJ") with the construction management and inspection services as defined in the subject Request for Proposal. This team, comprised of Louis Berger, Techno Consult, JCMS, Atlantic Engineering Laboratories, and Naik Consulting Group, provides a tremendous depth of experienced talent for the performance of these services. We have immediately available staff consisting of construction management professionals, resident engineers, certified inspectors, design experts, and project controls specialists with experience that is directly applicable to the range of projects that the Authority could be expected to undertake. This staff proposed herein exceeds the Port Authority's requirements and the resources available within this team extend beyond those required.

Louis Berger has performed construction management services for the Port Authority for more than 25 years, often on a "call-in" basis, and has successfully delivered those services on dozens of projects during that time, on time and within budget. Through this long-term partnership, Louis Berger has successfully provided the services being requested by the Port Authority at this time, including constructability, biddability, and general engineering reviews; construction staging planning and development; schedule development and monitoring; quality assurance inspection; overall contract administration; and cost engineering and estimating services.

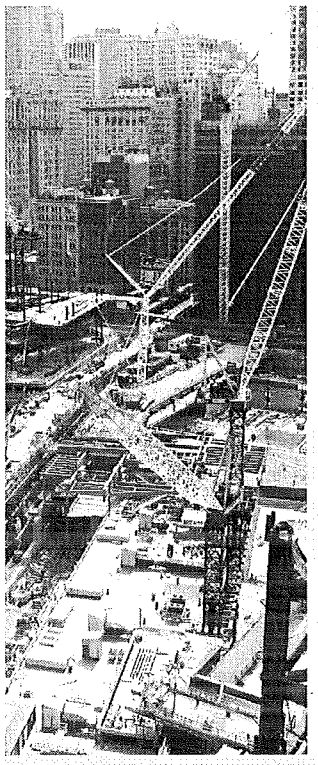
Louis Berger offers a committed, readily accessible, and dedicated team with extensive relevant experience, a history of successful performance for Port Authority projects, and a depth of resources in multiple disciplines. Given our depth and breadth of relevant expertise, demonstrated level of commitment and diligence, and proven track record of superior performance, the Louis Berger Team offers the Port Authority perhaps its best option for achieving success in the timely delivery of a high-quality and cost-efficient program. We hope and look forward to continuing our role as a ready and reliable partner to the Port Authority under this contract.

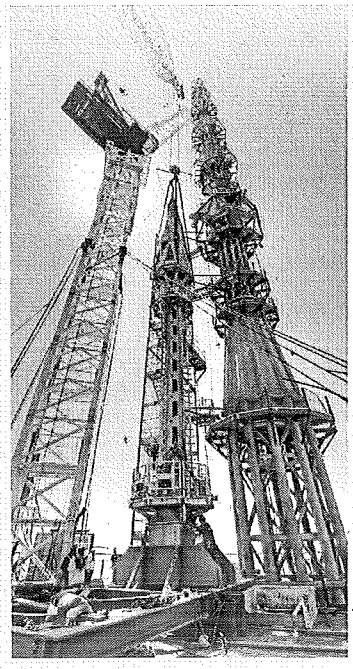
Louis Berger Firm Experience:	Meets	Exceeds
1. An office in the Greater New York, New Jersey Metropolitan Area and at least 50 individuals on staff who have demonstrated experience performing construction management and/or construction inspection services in the Greater New York/New Jersey Metropolitan Area.		✔
2. A Certificate of Authorization to practice Professional Engineering or Architecture in the states of New York and/or New Jersey.	✔	
Staff Experience **Construction Inspection staff shall be experienced in performance of one or more of the following: Civil, Structural, Electrical and Mechanical Engineering; and shall include:**	**Meets**	**Exceeds**
1. At least ten (10) engineers/architects licensed in the states of New York and/or New Jersey		✔
2. At least ten (10) ACI Concrete Construction Special Inspectors		✔
3. At least three (3) ICC Certified Structural Steel and Bolting Inspectors		✔
4. At least one (1) NACE Level 1 coatings certified inspector		✔

In the case of presentation scheduling or if you have any questions, please contact me at 202-303-2742 or jwillis@louisberger.com ; and Michael Regan at 732.948.9527 or mregan@louisberger.com as alternate.

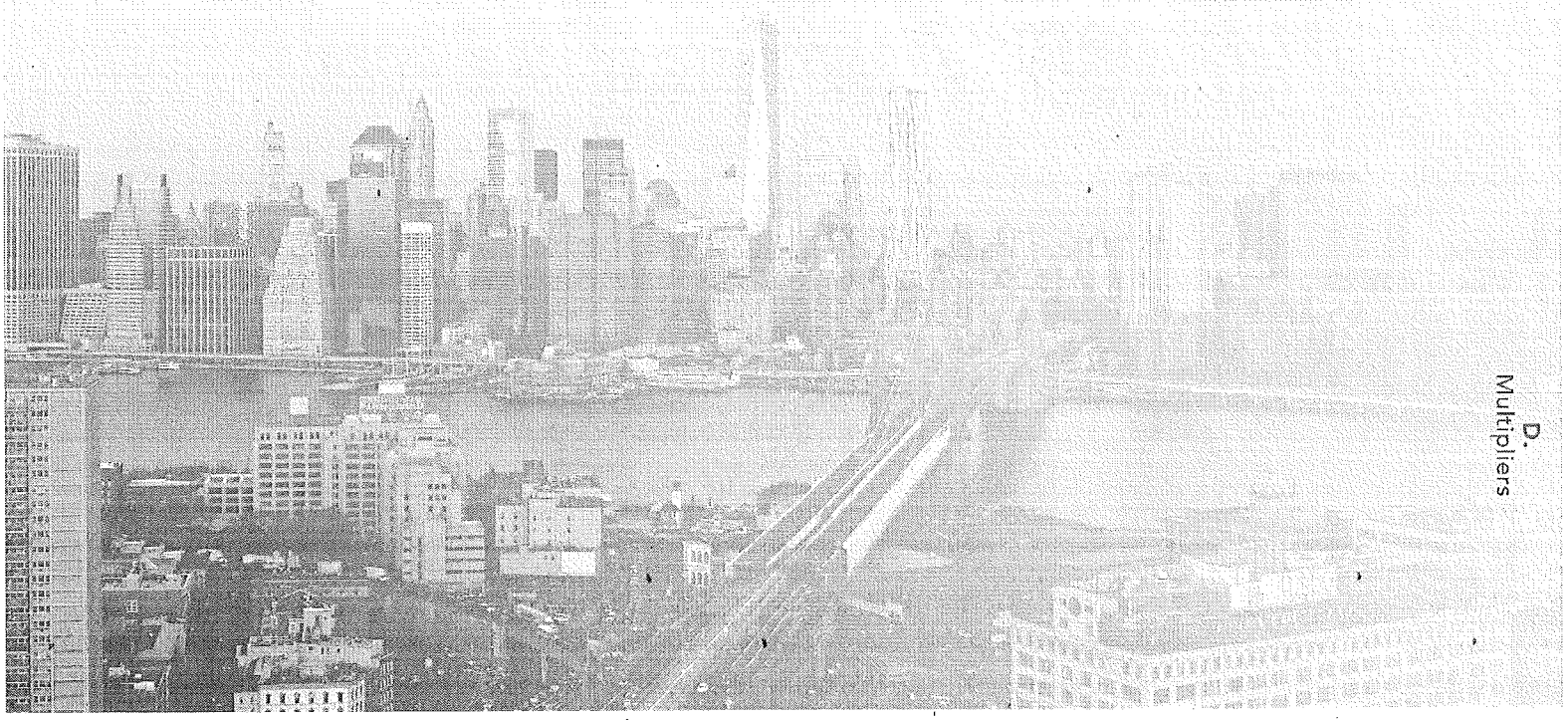
Sincerely,

Jeffery D. Willis
Senior Vice President





D.
Multipliers



SALARY MULTIPLIER FOR PROJECT STAFF

The proposed multipliers for this project are 2.5 for office work and 2.0 for field work. The following is a derivation of the salary multipliers based on The Louis Berger Group,'Inc.'s overhead rates.

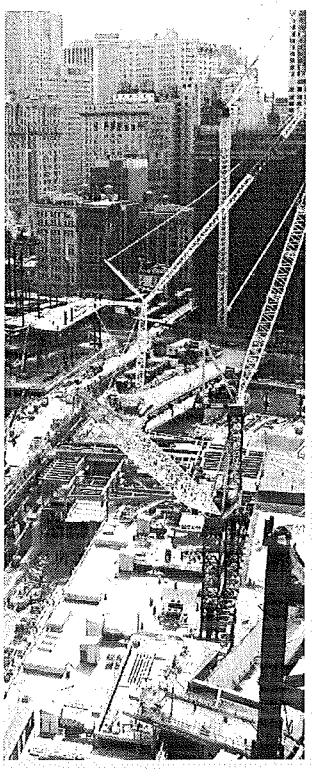
Deviation of Salary Multipliers	
Base Salary	1.00
Overhead Rate and Profit (office work)	1.68
Total (office work)	2.68
Discount	-0.18
New Office Multiplier	2.50
Overhead Rate and Profit (on-site work)	1.36
Total (on-site work)	2.36
Discount	-0.36
New On-Site Multiplier	2.00

The rates included in this proposal are based on current salaries through June 30, 2014. Annual escalation of 2.5% is anticipated beginning July 1, 2015, subject to the provisions of paragraph 9A of the draft agreement.

Derivation of Multiplier

The table below is a standard audited derivation of the overhead for The Louis Berger Group, Inc.

	Total Company Costs	Adjustments (Note 5)	Allowable Costs	Allocation Methods (Note 4)	Field Office	Home Office
DIRECT LABOR	$ 46,349,010	$ (147,778)	$ 46,201,232		$ 17,901,199	$ 28,300,033
FRINGE BENEFITS:						
Payroll taxes	5,261,561	-	5,261,561	4	2,074,836	3,186,725
Vacation	3,699,691	-	3,699,691	4	1,458,930	2,240,761
Holidays	1,872,147	-	1,872,147	4	738,259	1,133,888
Sick leave	941,129	-	941,129	4	371,125	570,006
401(k) match	983,458	-	983,458	4	387,815	595,643
Group insurance	5,432,264	-	5,432,264	4	2,142,150	3,290,114
Miscellaneous benefits	42,354	(15,827)	26,527	4	10,461	16,066
Total	18,232,604	(15,827)	18,216,777		7,183,574	11,033,203
GENERAL OVERHEAD:						
Indirect labor	14,562,248	(143,184)	14,419,064	1	5,586,832	8,832,232
Travel and lodging	2,127,759	(468,300)	1,661,459	1	643,751	1,017,708
Printing/Reproduction/ Brochures/Reports	639,026	(34,020)	605,016	3	39,188	565,828
Stationary and office expenses	861,308	(36,844)	824,464	3	111,780	712,684
Maintenance	195,846	-	195,846	3	63,130	132,716
Professional and consulting	1,568,837	(397,723)	1,171,114	3	420,543	750,571
Communications and utilities	887,494	-	887,494	2	-	887,494
Office and equipment rental	3,214,223	-	3,214,223	3	55,031	3,159,192
Depreciation	397,533	-	397,533	3	39,886	357,647
Insurance	2,783,040	-	2,783,040	1	1,078,321	1,704,719
Taxes	928,965	-	928,965	3	121,907	207,058
Short term consultants	9,339	-	9,339	1	3,619	5,720
Miscellaneous	625,842	(409,875)	215,967	1	83,679	132,288
Corporate allocations (see note 10)	20,587,905	-	20,587,905	3	6,640,602	13,947,303
Total	48,739,375	(1,487,946)	47,391,429		14,888,269	32,413,160
TOTAL FRINGE BENEFITS AND GENERAL OVERHEAD	$ 67,021,979	$ (1,503,773)	$ 65,518,206		$ 22,071,843	$ 43,446,363
OVERHEAD RATES	144.60%		141.81%		123.30%	153.52%



E.

Resumes

STAFF QUALIFICATIONS AND EXPERIENCE

Louis Berger has drawn upon its depth of NY/NJ-based construction management and inspection resources to assemble a team that exceeds the required number of certified professionals as identified in the request for proposal. The Team currently includes:

- 23 Professional Architects/Engineers licensed in the states of New York and/or New Jersey
- 16 ACI Concrete Construction Special Inspectors
- 5 ICC Certified as Structural Steel and Bolting Inspectors
- 3 NACE Level 1 coatings certified individuals

In addition to those resources listed herein, Louis Berger and its team members actively engage in succession planning. For each individual identified on the organization chart, a potential replacement can be drawn upon from the staff pool of technical experts available within this team.

At Louis Berger, construction and project management is a discipline taught and nurtured. Louis Berger selects promising candidates from its engineering staff possessing the interest, leadership, communication, and organizational skills necessary to master construction management and inspection assignments. This discipline includes learning the tools to manage schedule and budgetary performance. Louis Berger's project managers (PMs) are all technical experts with superior managerial skills. These managerial skills are developed through in-house training in cost and schedule control, including advanced training with the systems (P6, Cost Manager, etc.) used to monitor cost and schedule. An essential part of Louis Berger's PM training includes effective communications, both internally with management and staff and externally with clients and other stakeholders. Louis Berger's communication procedures include both meetings and written communications such as regular project status reports, meeting minutes, public presentations, and financial reports. The Louis Berger Team has the depth of talent to assign personnel with relevant experience and with an understanding of the technical challenges of each specific project. Louis Berger's personnel will also bring design and construction expertise in an array of construction project types, a diversity of experience which augments the team's ability to address the unique combination of challenges that each project can present.

The key individuals responsible for the successful completion of each task under this contract include the following:

Jeffery Willis is a senior vice president with Louis Berger and has more than 25 years of experience in the management and implementation of facilities program management, construction management, and A/E design requirements directly related to state, local, and federal facilities planning, engineering, and management both in the U.S. and abroad. With Louis Berger, he has overseen and been primarily responsible for a wide range of some of the largest facility program and construction management projects in the world. This includes his principal PM role at the $20 billion World Trade Center redevelopment program in Lower Manhattan and also his principal PM role on several major aviation construction programs, including those at Hartsfield-Jackson Atlanta International Airport and throughout the Houston Airport System. Mr. Willis has been the principal-in-charge for more than 100 independent assignments in his more than 14 year career with Louis Berger, all of

them having been delivered on time and on budget.

Mr. Willis has been highly effective in supporting complex assignments with multiple stakeholders and will dedicate all necessary effort to support this very important program. As a corporate officer with Louis Berger, he is authorized to negotiate on behalf of the firm and is responsible for ensuring required resources are available and are assigned in order to meet client requirements. Mr. Willis brings a long and impressive track record of success in the management of complex and high-profile projects to this contract.

Michael Regan, CCM, has more than 18 years of construction management experience on a diverse portfolio of complex, high-visibility projects totaling more than $2 billion. His accomplishments include dispute resolution, system start-up, and project closeout on over $150 million of plant improvements at the 740 MGD Blue Plains Wastewater Treatment Plant; the management of the $145-million U.S. Supreme Court Modernization Project; and the leadership of the preconstruction and procurement phases for the $750-million Cannon House Office Building Renewal project. As an associate vice president at Louis Berger, Mr. Regan has performed in leadership positions for the CDBG-funded New Jersey Superstorm Sandy Housing Incentive Program and has led Ocean County, New Jersey's Hazard Mitigation Grant Program (HMGP) project development and application process.

Wayne Valentine, PE, has provided management oversight on a number of Port Authority contracts throughout the past 10 years. His understanding of Port Authority requirements and industry best practices makes him well suited to lead this IQC in a continuation of this role for the Authority. In addition to overseeing the services provided for the Authority, Mr. Valentine has also performed constructability reviews and cost estimates for existing engineering contract with the Port Authority.

John Hasselmann, PE, CCM, is a licensed civil engineer with 20 years of professional experience in engineering, management, design, and construction. He manages construction support services including engineering during design services, inspection and scheduling, and multi-discipline A/E teams for planning and design of facilities. Mr. Hasselmann is currently performing a project management role at the George Washington Bridge Bus Station project for the Port Authority. He has extensive management experience that includes broad oversight of regional programs, management of construction and A/E contracts at numerous sites both in the U.S. and abroad, and leadership and management of design-build project delivery teams.

Ken Favaro has been a marine construction and site work project manager in the New York metropolitan area since May 1984. Mr. Favaro's current position with Louis Berger is senior civil inspector for the Port Authority, handling complex, large-scale marine construction projects for the Port Commerce Division, operating primarily at the Brooklyn Marine Terminal in Red Hook and the New York Container Terminal in Port Ivory, Staten Island. His primary job responsibilities include workmanship and materials quality assurance, daily detailed job inspections, site safety/OSHA compliance, and approving and processing contractor payment requisitions. In addition to providing field representative/marine construction inspector services to the Port Authority at Brooklyn Marine Terminals (Piers 7,

8, and 9B) in Brooklyn, Mr. Favaro also received accolades for his efforts on the development of post-Sandy repair options for a Snug Harbor dock on behalf of the Authority.

Rich Law, PE, CCM, PMP, has nearly 28 years of technical and management experience in civil engineering related projects. The majority of his experience has been on projects in the New Jersey and New York metropolitan area. He has also spent nine years working overseas managing some noteworthy and high-profile projects. He has served as a project manager, design manager, and resident engineer throughout his career. As a designer and project manager, he has worked on all aspects of civil engineering and has prepared many designs and complete bidding documents on many different types of projects. While serving as a resident engineer, he has gained a significant amount of field experience, which he has successfully reflected on the designs under his supervision..

Richard Barrington, PE, is a principal engineer serving as the manager of facilities engineering. He has 16 years of experience in design services for civil and environmental engineering including the past 18 months in an operational manager capacity. Mr. Barrington has been involved in a wide variety of projects for both private and public sector clients. His experience ranges from preliminary investigations and conceptual plans, through design and preparation of contract documents, to construction phase services. He has worked in many sectors, most notably education, aviation, transportation, and sports and recreation.

The Louis Berger core leadership team will be responsible for assembling and proposing tailored teams for each individual Port Authority project, and leading these teams to a fully successful completion of each task.

FIRM COMMITMENT AND STAFF AVAILABILITY

Louis Berger is committed to delivering the resources indicated in this proposal, specifically the proposed staff. Louis Berger understands that the most important factor in selecting a construction management consultant is the quality of the proposed personnel; therefore, if selected by the Authority, Louis Berger will deliver the individuals proposed herein. All members of the Louis Berger team value the long-term relationships that have been formed with the Authority. The staff offered here has therefore been selected not only on the basis of their technical capabilities, but also their availability and commitment to the Port Authority. Louis Berger has assembled a team that exceeds the requirements as defined by the Port Authority. This provides additional flexibility in constructing a tailored team and greater capability to withstand any changes in staff availability. Further, all member firms of the Louis Berger Team have a long-demonstrated ability to identify and retain top-caliber professionals to ensure that overall team composition and quality will not be compromised at any point during the performance of work under this contract.

The following pages are the organizational chart and detailed resume of the team members.

Name of Proposed Personnel	Years of Experience	A/E Licensed in NY or NJ	ACI – Concrete Construction Special Inspector	ICC – Structural Steel and Bolting	NACE Level 1 Coatings Certified
Required number		10	10	3	1
Provided Number		23	16	5	3
John Hasselman, PE, CCM	20	●			
Rich Law, PE, CCM, PMP	28	●			
Ken Favaro	36		●	●	
Prakash Saha	19				●
Quinton "David" Hapke	13		●		
Michael Regan, CCM	18				
Wayne Valentine, PE	30	●			
Richard Barrington, PE	16	●			
Fredrick McCarthy, PE	29	●			
Robert Thiel, PE	18	●			
Kirit Mevewala, PE	32	●			
Joe Dietrich, PE, LEED AP	22	●			
Jose Hernandez, PE	30	●			
Julius Arief, PE	36	●			
Muzamil Husain, PE	16	●			
Mike Dunn, PE	16	●			
Luis Correia, PE	20	●			
Morgan Starke	20				
Mike Ramzi	28				
Mario Perez	14				
Steve Weekes	26				
Ian Baldwin	35				
Ramesh Patel	10				
Farai Chinyerere	3				
Brendan Faherty	3				
Khurshid Anwar	30		●		
Wahaj Warsi	30				
Leonardo Nunez	15		●	●	
Iqbal Feroz	20		●	●	
Mahfuzur "Mike" Mowla	10		●		
Francisco Capito	30		●		
Talait Warsi	30				
Ainul Abedeen	30				
Donald Lund	30				

Sarwar Malik	25				
Miohammad Majid	18				
Kamal Syed	33				
Shadab Mahmood	8				
Karen Giffen	10				
Hau (Joe) Nyugen	10				
Illard Johnson	15	●			
Michael Blackwell	25				
George Atsalis	16		●		
Muhammad Kashif Syed	13		●		
William Grooms	29		●		
Alexander Jimenez	13		●	●	
Ketul Gandhi	5				
Kevin Meehan	14				
Murali Nambiar	24				
Franco George	30	●			
John Carbone	15				●
John Waldorf	15				●
Richard Davies	21				
Sudhir Chheda	35	●			
Rafael Melendez	20				
Plato Moschides	27		●		
Sam Mody	31	●			
Robert Vincent	13	●			
Christopher O'Malley, PE	20+	●			
Jorge Arteaga, PE	20+	●		●	
Fawzy Salib, PE	25+	●			
Mansukh Savalia, PE	25+	●			
Ramon See, PE	20+	●			
Hani Wissa	20+				
Maher Awad	15+				
Robert Benitez-Villalta	10+		●		
Sherif Elsabaawi	15+		●		
Naiem Mosaad	15+		●		
Raul Mora	8				
Samuel Saweeres			●		

Louis Berger						
Name	Title	Hourly Rate	Multiplier (office)	Multiplier (field)	Billing Rate (office)	Billing Rate (field)
John Hasselmann, PE, CCM	Construction Manager	$86.5	2.5	2.0	$219.29	$173.00
Rich Law, PE, CCM, PMP	Construction Manager	$70.57	2.5	2.0	$178.91	$141.14
Ken Favaro	Civil/Structural Inspector	$51.5	2.5	2.0	$130.56	$103.00
Prakash Saha	NACE Coating Inspector	$61.06	2.5	2.0	$154.80	$122.12
Quinton "David" Hapke	Civil/Structural Inspector	$29.75	2.5	2.0	$75.42	$59.50
Michael Regan, CCM	Quality Assurance Manager	$77	2.5	2.0	$195.21	$154.00
Wayne Valentine, PE	Project Manager	$68	2.5	2.0	$172.39	$136.00
Richard Barrington, PE	Civil/Structural Engineer	$76.85	2.5	2.0	$194.83	$153.70
Fredrick McCarthy, PE	Civil/Structural Engineer	$93.27	2.5	2.0	$236.46	$186.54
Robert Thiel, PE	Civil/Structural Engineer	$81.74	2.5	2.0	$207.23	$163.48
Kirit Mevewala, PE	Civil/Structural Engineer	$85.58	2.5	2.0	$216.96	$171.16
Joe Dietrich, PE, LEED AP	Civil/Structural Engineer	$73.79	2.5	2.0	$187.07	$147.58
Jose Hernandez, PE	Civil/Structural Engineer	$64.91	2.5	2.0	$164.56	$129.82
Julius Arief, PE	Civil/Structural Engineer	$51.92	2.5	2.0	$131.63	$103.84
Muzamil Husain, PE	Civil/Structural Engineer	$61.54	2.5	2.0	$156.02	$123.08
Mike Dunn, PE	Civil/Structural Engineer	$60.1	2.5	2.0	$152.37	$120.20
Luis Correia, PE	Electrical Engineer	$72.26	2.5	2.0	$183.19	$144.52
Morgan Starke	Cost Estimator	$75.5	2.5	2.0	$191.41	$151.00
Mike Ramzi	Cost Estimator	$68.5	2.5	2.0	$173.66	$137.00

Mario Perez	Architect	$47.02	2.5	2.0	$119.21	$94.04
Steve Weekes	Cost Estimator	$67.85	2.5	2.0	$172.01	$135.70
Ian Baldwin	Scheduler	$76.48	2.5	2.0	$193.89	$152.96
Ramesh Patel	Scheduler	$49.04	2.5	2.0	$124.33	$98.08
Farai Chinyerere	Scheduler	$26.92	2.5	2.0	$68.25	$53.84
Brendan Faherty	Scheduler	$25	2.5	2.0	$63.38	$50.00

NAIK

Name	Title	Hourly Rate	Multiplier (office)	Multiplier (field)	Billing Rate (office)	Billing Rate (field)
John Carbone	NACE Coating Inspector	$48.15	2.59	2.30	---	$110.75
John Waldorf	NACE Coating Inspector	$62.40	2.59	2.30	---	$143.52
Richard Davies	Civil/Structural Inspector	$42.00	2.59	2.30	---	$96.60
Sudhir Chheda	Electrical Engineer	$47.84	2.59	2.30	$123.90	---
Rafael Melendez	Mechanical Engineer	$60.00	2.59	2.30	$155.40	---
Plato Moschides	Mechanical/ Electrical Inspector	$50.00	2.59	2.30	---	$115.00
Sam Mody	Civil/Structural Engineer	$90.00	2.59	2.30	$233.10	
Robert Vincent	Civil/Structural Engineer	$56.16	2.59	2.30	$145.45	

Techno

Name	Title	Hourly Rate	Multiplier (office)	Multiplier (field)	Billing Rate (office)	Billing Rate (field)
Khurshid Anwar	Civil/Structural Inspector	$45.00	---	2.3	---	$103.50
Wahaj Warsi	Civil/Structural Inspector	$45.00	---	2.3	---	$103.50
Leonardo Nunez	Civil/Structural Inspector	$45.00	---	2.3	---	$103.50
Iqbal Feroz	Civil/Structural Inspector	$48.50	---	2.3	---	$111.55
Mahfuzur "Mike" Mowla	Civil Inspector	$40.00	---	2.3	---	$92.00
Francisco Capito	Civil Inspector	$48.00	---	2.3	---	$110.40

Talait Warsi	Mechanical Inspector	$50.00	---	2.3	---	$115.00
Ainul Abedeen	Mechanical Inspector	$55.00	---	2.3	---	$126.50
Donald Lund	Mechanical Inspector	$48.50	---	2.3	---	$111.55
Sarwar Malik	Electrical Inspector	$55.00	---	2.3	---	$126.50
Miohammad Majid	Office Engineer	$50.00	---	2.3	---	$115.00
Kamal Syed	Office Engineer	$50.00	---	2.3	---	$115.00
Shadab Mahmood	Scheduler/Cost Engineer	$50.00	---	2.3	---	$115.00
Karen Giffen	Civil/Structural Inspector	$45.00	---	2.3	---	$103.50
Hau (Joe) Nguyen	Civil Inspector	$48.50	---	2.3	---	$111.55
Illard Johnson	Electrical Inspector	$48.00	---	2.3	---	$110.40
Michael Blackwell	MEP Inspector	$50.00	---	2.3	---	$115.00

JCMS

Name	Title	Hourly Rate	Multiplier (office)	Multiplier (field)	Billing Rate (office)	Billing Rate (field)
George Atsalis	Senior Inspector	$46.48	2.497	2.270	---	$105.51
Muhammad Kashif Syed	Inspector	$45.39	2.497	2.270	---	$103.03
William Grooms	Inspector	$48.12	2.497	2.270	---	$109.24
Alexander Jimenez	Inspector	$45.39	2.497	2.270	---	$103.03
Ketul Gandhi	Estimator	$46.42	2.497	2.270	$115.90	---
Kevin Meehan	Senior Estimator	$67.01	2.497	2.270	$167.33	---
Murali Nambiar	Senior Scheduling Consultant	$89.14	2.497	2.270	$222.57	---
Franco George	Chief Estimator	$78.91	2.497	2.270	$197.04	---

AELNY

Name	Title	Hourly Rate	Multiplier (office)	Multiplier (field)	Billing Rate (office)	Billing Rate (field)
Christopher O'Malley, PE	Professional Engineer	$80.00	---	2.5	---	$200.00

Jorge Arteaga, PE	Professional Engineer	$60.00	---	2.5	---	$150.00
Fawzy Salib, PE	Professional Engineer	$70.00	---	2.5	---	$175.00
Mansukh Savalia, PE	Professional Engineer	$30.00	---	2.5	---	$75.00
Ramon See, PE	Professional Engineer	$40.00	---	2.5	---	$100.00
Hani Wissa	Engineer	$25.00	---	2.5	---	$62.50
Maher Awad	Concrete Inspector	$26.00	---	2.5	---	$65.00
Robert Benitez-Villalta	Inspector	$27.50	---	2.5	---	$68.75
Sherif Elsabaawi	Concrete Inspector	$29.00	---	2.5	---	$72.50
Naiem Mosaad	Concrete Inspector	$23.00	---	2.5	---	$57.50
Raul Mora	Concrete Inspector	$28.00	---	2.5	---	$70.00
Samuel Saweeres	Concrete Inspector	$18.00	---	2.5	---	$45.00

Statement of Premium Pay

As required by the Authority's RFP to provide a company policy for compensation for premium pay (i.e., holidays, shift differentials, regular days, weekends and night work or union required payments), The Louis Berger Group, Inc.'s policy is as follows:

"The Louis Berger Group, Inc., overtime policy is to pay overtime in compliance with FLSA regulations. Non-exempt employees are paid premium pay (time and a half) for all hours worked in excess of 40 in an FLSA workweek (Sunday through Saturday). Although not required by the FLSA, when Exempt employees work in excess of 40 hours in an FLSA workweek, they are paid for the additional hours at their usual hourly rate. Employees who work on a company Holiday may receive Holiday pay in addition to work pay, at their usual rate. No premium pay applies. Employees who work at night or on weekends generally receive pay for hours worked at their usual rate without any premium. However, in some circumstances, they may receive premium pay if the client or employment contract includes premium pay because of special conditions." The hourly rates table of our proposed technical personnel including key personnel indicated on our project organization chart is provided in the next pages.

ORGANIZATIONAL STRUCTURE

LEGEND
- Louis Berger
- JCMS
- NAIK
- Techno
- AELNY

THE PORT AUTHORITY OF NY & NJ

PRINCIPAL-IN-CHARGE
- Jeffery Willis

QUALITY ASSURANCE
- Mike Regan, CCM

PROJECT MANAGER
- Wayne Valentine, PE

CONSTRUCTION MANAGERS / RESIDENT ENGINEERS
- John Hasselmann, PE, CCM
- Rich Law, PE, CCM

CIVIL / STRUCTURAL/ CONCRETE INSPECTORS
- Ken Favaro
- Quenton "David" Hapke
- Khurshid Anwar
- Wahaj Warsi
- Leonardo Nunez
- Iqbal Feroz
- Mike Mowla
- Francisco Capito
- George Atsalis
- Muhammad Kashif Syed
- William Grooms
- Alexander Jiminez
- Richard Davies
- Hau (Joe) Nguyen
- Maher Awad
- Sherif Elsabaawi
- Naiem Mosaad
- Raul Mora
- Samuel Saweeres

OFFICE ENGINEERS
- Sarwar Malik
- Karen Giffen
- Mohammed Majid
- Kamal Syed
- Jorge Arteaga, PE
- Fawzy Salib, PE
- Mansukh Savalia, PE
- Ramon See, PE
- Hani Wissa
- Christopher O'Malley
- Robert Benitez-Villalta

NACE COATING INSPECTOR
- Prakash Saha
- John Carbone
- John Waldorf

ELECTRICAL ENGINEERS
- Luis Correia, PE
- Sudhir Chheda

CIVIL / STRUCTURAL ENGINEERS
- Rich Barrington, PE
- Fred McCarthy, PE
- Robert Thiel, PE
- Kirit Mevawala, PE
- Joseph Dietrich, PE
- Jose Hernandez, PE
- Julius Arief, PE
- Muzamil Husain, PE
- Mike Dunn, PE
- Robert Vincent, PE
- Sam Mody, PE

MECHANICAL / ELECTRICAL INSPECTORS
- Talait Warsi
- Donald Lund
- Michael Backwell
- Ainul Abedeen
- Illard Johnson
- Plato Moschides

ARCHITECTS
- Mario Perez, AIA

MECHANICAL ENGINEERS
- Rafael Melendez

COST ESTIMATORS/ENGINEERS
- Steve Weekes
- Mike Ramzi
- Morgan Starke
- Shadab Mahmood
- Ketul Gandhi
- Kevin Meehan
- Franco George

SCHEDULERS
- Ian Baldwin
- Ramesh Patel
- Farai Chinyerere
- Brendan Faherty
- Murali Nambiar

Jeffery Willis

PRINCIPAL-IN-CHARGE

Firm: Louis Berger
Years' Experience: 25

Education:
MBA
Project Management Certification
Electrical Engineering Curriculum

Professional Summary

Mr. Willis is a senior vice president with Louis Berger and has more than 25 years of experience in the management and implementation of facilities program management, construction management, and A/E design requirements directly related to state, local, and federal facilities planning, engineering, and management both in the U.S. and abroad. With Louis Berger, he has overseen and been primarily responsible for a wide range of some of the largest facility program and construction management projects in the world. This includes his principal project manager role at the $20-billion World Trade Center redevelopment program in Lower Manhattan and the multi-billion U.S. Department of State, Bureau of Overseas Buildings Operations new Embassy capital program requirements. Mr. Willis has been the principal-in-charge for more than 100 independent assignments in his 14+ year career with Louis Berger, all of them delivered on time and on budget. As a corporate officer with Louis Berger, he is authorized to negotiate on behalf of the firm and is responsible for ensuring required resources are available and assigned in order to meet client requirements. Mr. Willis has attended the George Washington University for several certification courses including: project management, business management, and facility operations management. As an undergraduate, he majored in electrical engineering at Capital College and received a Master's of Business Administration from the University of Maryland.

Selected Experience

Redevelopment of the World Trade Center, New York, New York. Port Authority of New York & New Jersey (PANYNJ). Principal-in-charge. Mr. Willis was responsible for overseeing the planning, site development, design, and construction to deliver the PANYNJ's master program to redevelop the 16-acre World Trade Center (WTC) site. This $20 billion program consists of four high-rise buildings (Tower One now the tallest building in the U.S.), a new intermodal transportation hub, a vehicle screening center, the National September 11 Memorial plaza, the National September 11 Memorial Museum, and the LEED certified complex infrastructure for power, communications, and HVAC utilities. Under the expert guidance of Mr. Willis, Louis Berger successfully provided all cost engineering, cost estimating, claims management, risk management, P6 integrated master scheduling, and document management consulting support services to include other various administrative support services.

Various Projects, worldwide. Goldman Sachs. Principle in charge and principal cost management consultant. Mr. Willis was responsible for a number of projects for Goldman Sachs for the past four years, including:

- Hotel: This $240-million project is currently in its closeout phase. This involves placing assets into service, budget transfer to clean up trade codes, and reviewing and approving final invoices.
- Sao Paulo: The fit-out budget for this project currently in its close-out phase is $60 million. This involves decommissioning of existing space and placing assets into service for depreciation.
- Mexico City: This new project involves everything in the project life cycle, including overseeing AP, forecast/cash flows, liaison with other departments to ensure cost and government regulations are followed.
- Balance Sheet Reconciliation: This project involved 10 entities, 38 accounts, reviewing recons done by the team, providing guidance for any month-end adjustments, and researching any unsubstantiated balances.
- America's Project Closeout: Led the team to closeout more than 200 Goldman Sachs completed projects.

Red Bull Stadium, Harrison, New Jersey. Red Bull Corporation. Principle-in-charge. Mr. Willis was responsible for the construction administration and inspection services for this large sports and entertainment stadium. He successfully managed a team of 11 inspectors, which included a resident engineer, four field inspectors, and a subcontractor inspection/laboratory team of New Jersey state-certified DCA Special Inspectors. Project scope included structural steel bolting/welding, concrete placement and testing laboratory, concrete reinforcement pre-placement inspection, and spray-on fireproofing. Additional team members were utilized when structural steel fabrication (in Canada) and precast concrete fabrication (in Bethlehem, Pennsylvania and Gettysburg, Pennsylvania) were active.

George Washington Bridge Bus Station Modernization, New York, New York. PANYNJ. Principle-in-charge. Mr. Willis was responsible for the program management for this redevelopment. His oversaw services that included program definition, permitting, historic preservation analysis, design management, cost control, scheduling, documenting control, and project management. Construction was staged and phased to allow for continued operation of the station during its three-year construction period.

Fulton Street Transit Center, New York, New York. For Plaza Construction/Schaivone Joint Venture. Principle-in-charge. Mr. Willis was responsible for the CPM scheduling support services for the $1.4 billion Transit Center Enclosure component at Fulton Center, which will serve as an essential transportation and retail hub in Lower Manhattan.

Engineering, Technical, and Management Support Services Worldwide. Missile Defense Agency (MDA), Arlington, Virginia. Principal-in-charge. Mr. Willis provided executive oversight of A/E services to support the MDA's construction and facility sustainment program worldwide. This program, under continuous contract with Louis Berger since 1994, requires the firm to provide agency-level planning, programming, budgeting, and execution efforts for all worldwide MDA facilities and real property/infrastructure.

Michael Regan CCM

QUALITY ASSURANCE

Firm: Louis Berger
Years' Experience: 17

Education:
MBA
BS, Engineering and Environmental Sciences

Registration/Certifications:
Certified Construction Manager

Professional Summary

Mr. Regan has more than 18 years of experience in construction and program management for a wide range of clients and project types including such public entities as Ocean County, New Jersey and the federal government. Prior to joining Louis Berger, he served as a construction program executive for the Architect of the Capitol in Washington, DC. During this time he managed all aspects of the $145 million U.S. Supreme Court Building Modernization Project and the project planning and design effort for the $750 million Cannon House Office Building Renewal, as well as the execution of multiple original agency-wide management initiatives including strategic plan development and establishment of project management procedures for projects over $100 million. He is fully skilled in CPM schedule development and analysis, project budget management, change order negotiation, complex project staging, constructability reviews, and value engineering. He is a Certified Construction Manager as designated by the Construction Management Association of America.

Selected Experience

Architect of the Capitol, U.S. Supreme Court Modernization Project, Washington, DC. Project manager. Responsible for overseeing the entire construction operation for this full-building modernization project within the historic U.S. Supreme Court building. This project involved the full replacement of all major building systems using a complex phasing approach while protecting this monumental building's historic fabric. The building remained occupied and the Supreme Court remained in operation without disruption throughout construction. Additional considerations included coordination with multiple Supreme Court departments, Justices' Chambers, and external governmental agencies for a highly-integrated execution strategy.

Architect of the Capitol, Cannon House Office Building Renewal, Washington, DC. Construction program executive. Led the project planning and design effort for this $750-million renewal of historic Cannon House Office Building. This project included a phased-while-occupied renewal of the oldest of the office buildings for the House of Representatives, including a technically challenging replacement of all systems using a limited project site while maintaining the historic fabric of the building. The preconstruction effort required a collaborative effort among multiple in-house and external entities, including the House Sergeant-at-Arms, U.S. Capitol Police, House Subcommittee on Appropriations for the Legislative Branch, and the Office of the Speaker of the House.

Renew Jersey Stronger Disaster Recovery Grant Administration Program. New Jersey Department of Community Affairs. Manager of facilities, assets, and security. Established nine housing recovery center offices throughout New Jersey as well as program headquarters within 30 days of contract award. Planned and executed interior furnishings and infrastructure as well

as procedures for maintaining facilities and supporting program operations. Established and implemented protocols for security and asset management for all 10 sites.

Ocean County College Technology Building, Toms River, New Jersey. Project manager. Responsible for pre-construction and construction phases for a new LEED certified technology building on the main OCC campus. Conducted value engineering to ensure delivery of the project within the available budget. Successfully incorporated savings of 20 percent from the initial project scope without significant impact to the building's operation needs or architectural elements.

Ocean County Library Expansion and Renovation, Toms River, New Jersey. Project manager. Responsible for numerous tasks during the pre-construction and construction phases of this project including conducting a value engineering study and recommended developing, critical cost-saving measures, managing multiple construction contracts, and for developing a comprehensive construction management plan that included complex staging to keep the facility operational during construction.

Ocean County Courthouse Renovation, Toms River, New Jersey. Project manager. Responsible for developing a comprehensive construction management plan, including staging plan for renovation of an operational courthouse, including Chambers and support offices for several Courtrooms, as well as the restoration of "Historic Courtroom No. One" to its 1860 condition.

Ocean County Fire and EMS Training Center, Waretown, New Jersey. Project manager. Responsible for the construction phase project management activities for a new comprehensive Fire and EMS training center that includes an administration/classroom building, five training buildings, three training, pads (including a natural gas burn simulator), and a catch basin/water recirculation system for capture and re-use of non-potable training water. Construction included extension of sewer, water, gas, and electrical utilities along a new 4,000-linear-foot access road from Route 9 in Waretown.

Ocean County Engineering Department Long-Range Planning, Toms River, New Jersey. Utilized Primavera scheduling and project management software to develop long-range planning and budgeting controls for the Ocean County Engineering Department. Developed custom forms and Expedition procedures to automate project development and management procedures. Used resource-loaded schedules and cost leveling capabilities of Primavera Project Planner to develop long-range design and funding plans for County infrastructure projects.

Fair Lawn Board of Education, District-Wide School Improvement Program, Fair Lawn, New Jersey. Project Manager. Project Manager for a district-wide school improvement plan that included a combination of interior renovations, additions, and new construction at ten K-12 school sites throughout Fair Lawn, New Jersey. Provided a full range of pre-construction, construction, and closeout services for this school program, which included an addition and interior modernization work to the historic Radburn Elementary School.

Egg Harbor Township Board of Education, District-Wide School Improvement Program. Egg Harbor Township, New Jersey. Project Manager. Responsible for project management services on a district-wide school improvement program that included a combination of interior renovations, additions, and new construction at ten K-12 school sites throughout Egg Harbor Township, New Jersey. Mr. Regan was part of this management team that was awarded a "Project of the Year" award by the Construction Management Association of America in 2002.

Wayne Valentine PE

PROJECT MANAGER

Firm: Louis Berger
Years' Experience: 40

Education:
MS, Civil Engineering
BS, Civil Engineering Technology

Registration/Certifications:
Professional Engineer (NJ)

Professional Summary

Mr. Valentine has more than 40 years of experience in construction and engineering design. He has experience in project and construction management and quality control for a wide range of public and private agencies, as well as experience in the administration of construction contracts. He has additional experience in procurement, negotiation of subcontracts, financial forecasts, scheduling, cost estimating, and claims. Mr. Valentine also performs administrative oversight for onsite construction inspectors, several of whom are located out of state. He provides constructability reviews of plans and specifications and provides quality assurance checks on cost estimates, plans, and specifications. Previous experience includes: on-site contract administration and construction management for water and wastewater treatment plants and sewer piping systems; seven years' experience with the inspection, rehabilitation, and structural design of fixed-span and movable-span bridges and concrete culverts; eight years' experience in the structural design of large natural draft / mechanical draft cooling towers, tall chimneys, and large storage silos; and project management of several large design-build projects.

Selected Experience

Replacement of Baird Boulevard Bridge over Cooper River and Roadway Improvements, Camden County, New Jersey. City of Camden, New Jersey. Project construction manager/resident engineer. Mr. Valentine provided construction administration and inspection services on the removal and replacement of the existing two-span bridge with a single-span bridge; installation of pile supported abutments and new retaining walls, concrete curbs, sidewalks and drainage structures; and pavement replacement and restoration. He provided construction administration, on-site construction inspection, and coordination of material testing with an outside firm. Evaluated and approved pay requests. He was responsible for overall supervision of one fulltime and one part-time construction inspector and coordination with the Camden County Engineering Department. Total construction value for this project is nearly $5.8 million.

Training Facility, Red Bull Arena. Hanover, New Jersey. Red Bull Arena, Inc. Project manager, construction manager, and resident engineer. Mr. Valentine provided construction administration and inspection services on the construction of the training facility and three soccer fields. He performed inspections to verify that construction was in accordance with the plans, specifications, local codes, and standards of the owner. He provided progress reports to the Corporate Representative and assisted client in reviewing construction costs. He also monitored project schedules, evaluated change orders, and assisted client in the buy-out of the project. Scope of responsibilities on site included but were not limited to monitoring of all concrete work (below/above grade); structural steel erection; all MEP installations; all building

envelope installations; two natural turf and one artificial turf soccer field construction including drainage and underground heating systems; site utility and drainage installation; and all audio-visual, security, telecast systems; as well as overseeing the architectural finishes of four multi-use buildings that include the player locker rooms, coaches offices, training weight room, and workout areas. This effort included direct management of fulltime field inspector, a subcontractor inspection/laboratory team of New Jersey state certified DCA Special Inspectors for structural steel bolting/welding, concrete placement and testing laboratory, concrete reinforcement pre-placement inspection, and soil and asphalt density testing. The total construction value for the project was nearly $20 million.

Terminal Buildings Frontages Protection, LGA, JFK, and EWR Airports. PANYNJ. QA reviewer. Mr. Valentine provided reviews of the cost estimate and performed constructability reviews of the plans. This program involved the design of physical, hardened crash-rated bollards and gates at various terminal buildings at three major metropolitan airports. The overall installation objective was to provide for hardened bollards along the terminal frontages to prevent vehicular encroachment into the terminal building at various levels. In order to maintain passenger and vehicle movements at each level of the terminals, the work was staged.

Lincoln Memorial Reflection Pool, National Mall, Washington DC. U.S. National Park Service. Senior cost estimator and constructability reviewer. Mr. Valentine provided reviews of the cost estimate and performed a constructability review for rehabilitation of this high-profile $36-million Lincoln Memorial Refection Pool project at the National Mall in Washington, DC. The rehabilitation—NPS's largest American Reconstruction and Recovery Act project—will address structural deficiencies in the reflecting pool and enhance the infrastructure, safety, and pedestrian circulation systems in the surrounding area. Provided review of construction cost estimates, reviewed plans and specifications, and provided a complete constructability review of the project components. Project involved demolition of existing facilities, installation of new piping and filtration system, underground utilities, piling, new basin slab and walls, reset of all stone granite, adjacent site restoration, ADA compliant access, new pathways, security features, and site lighting.

On-Call Construction Management Services, New Jersey & New York. PANYNJ. Project Manager. Mr. Valentine served as the supervisor to inspectors located on site providing construction administration and inspection services on the construction of various new and maintenance type projects at Newark Liberty Airport, Stewart Airport and the Brooklyn Marine Terminal. Projects included installation of fire alarm system upgrades, emergency repairs to waterlines, drainage improvements, resurfacing of parking lots, and the installation of security devices and CCTV cameras in Terminals A and C at Newark Airport, as well as piling repairs/restoration and structural repairs to existing bulkheads/piers at the marine terminal. Responsible for overall supervision of four on-site construction inspectors and providing contract administration with the PANYNJ Construction Management Department.

John Hasselmann PE, CCM

CONSTRUCTION MANAGER/ RESIDENT ENGINEER

Firm: Louis Berger
Years' Experience: 20

Education:
BS, Civil Engineering

Registration/Certifications:
Professional Engineer (NJ, VA)
Certified Construction Manager, CMAA

Professional Summary

Mr. Hasselmann is a licensed civil engineer with 20 years of professional experience in engineering, management, design, and construction. He manages construction support services including engineering during design services, inspection and scheduling, and multidiscipline A/E teams for planning and design of facilities. Mr. Hasselmann has extensive management experience that includes broad oversight of regional programs, management of construction and A/E contracts at numerous sites both in the U.S. and abroad, and leadership and management of design-build project delivery teams.

Selected Experience

Nationwide Construction Management BPA. U.S. National Park Service. Project manager. Mr. Hasselmann worked on construction management services that included oversight of on-site inspection, review and coordination of submittals, preparation of estimates and scopes, confirmation of progress for payment, and the resolution of technical issues in support of the Depew Recreation Site in New Jersey. Scope included development of a designated New Jersey swim beach at the preferred site, upgrading and realigning of existing access roads, development of a 100-125-car parking lot, development of a picnic area with tables and shelters, and excavation and re-grading of 300 linear feet of river shoreline to create a swim beach.

Armament Integration Facility Concept Design and Construction Support, Picatinny Arsenal. Dover, New Jersey. Project manager. Project included Code 3 Parametric Design (15 percent) to construct a testing and simulation laboratory and an indoor firing range, as well as a full design resulting in complete specifications, drawings, and biddable documents. Design included lab and range site location, utility identification, storm water drainage plan, and firing range safety appurtenances. Mr. Hasselmann managed a multi-disciplined design team to provide design and drawings, design analysis and recommendations, and cost estimates for this $10 million laboratory and firing range facilities for weapons research and development. Project management plan included customer interviews, site visits, technical expert consultation, and a final funding, design, and construction plan that were approved by Congress for Federal Fiscal Year 2007.

Officer's Club Renovations, Picatinny Arsenal. Dover, New Jersey. Senior civil engineer. Mr. Hasselmann worked on the preparation of a complete design package suitable for bid solicitation for the renovation of Building 121, the Officers Club, and Picatinny Catering Facility. Project consisted of the entire building interior and structural renovation, including the kitchen, banquet rooms, seminar rooms, fitness and locker rooms, and restrooms.

17th Street Potomac Park Levee Floodwall Project. Washington, DC. Program manager. Mr. Hasselmann provided design and construction management services, as well as federal agency

coordination and permitting. This $6 million project consisted of post and panel construction for a removable floodwall across 17th Street on the National Mall. Project site was complicated by reverence to National Mall view impacts and archaeological considerations of a historical buried canal and pier.

Pyrotechnics Research Facility Design, Picatinny Arsenal Area. Dover, New Jersey. Mr. Hasselmann conducted constructability and independent technical review of 65 percent DDESB submittal and 90 percent design documents, as well as coordinating the revisions to design narrative, blast safety plan, drawings, and specifications. He coordinated responses to comments in the DrChecks review system. The facility is designed with substantial dividing walls for blast protection in accordance with DA PAM 385-64 base on the hazardous operations involving classified explosives. Primary facilities consisted of 11,000-square-foot laboratory with a flare tunnel and 9,500-square-foot pilot plant; 6,500-square-foot engineering building; 1,600-square-foot magazine storage building; 1,300-square-foot flammable storage building; and 7,000 square feet of covered walkways. Scope also included ultra-high speed deluge fire protection, fire service tanks/pumps/piping, intrinsically safe electrical fixtures, explosion-proof HVAC systems, fugitive emissions controls, storm and sanitary sewers, access roads, potable water, electrical service, natural gas service, fiber optics/information systems, security systems, and industrial gases.

Design for the Modified Record Fire (MRF) Range. West Point Military Academy, New York. USACE New York. Mr. Hasselmann conducted a constructability and independent technical review (ITR) of the 90, 95 percent, and final construction documents of the modified record fire range and coordinated revisions to the plans, specifications, and cost estimates, as well as uploading responses in DrChecks review system. He also reviewed architectural and civil design analyses and incorporated improvements in the construction documents. He worked with the project manager and USACE to provide bid options to ensure base bid was within the programmed amount of $4 million.

USACE Northeast Regional Office (North Atlantic Division), Emergency Management. Brooklyn, New York. Emergency program manager. Mr. Hasselmann managed the Emergency Flood Control Program for the Northeast, as well as the on-going relationship with the Federal Emergency Management Agency (FEMA), under which several million dollars were assigned for recovery efforts, including emergency temporary housing, power, and other utility connections. He ensured that the regional office was prepared to manage responses to hurricanes, local floods, river ice jams, oil spills, and national security events. He advised the Division Commander (General Officer) on rehabilitation efforts and emergency de-watering of reservoirs. During emergency response operations, negotiated new work with FEMA and worked closely with USACE headquarters to allocate national resources. He advised and directed subordinate offices on emergency re-construction of flood control structures.

National Special Security Event, Republican National Convention (RNC). Mr. Hasselmann worked on the threat assessment development, in coordination with New York City EMO and FEMA Region II. Project included the identification of USACE role in federal response to unique threat, identification of incident command organization, and technical resources. He oversaw increased readiness during RNC.

Rich Law PE, CCM, PMP

CONSTRUCTION MANAGER/ RESIDENT ENGINEER

Firm: Louis Berger
Years' Experience: 28

Education:
BS, Civil Engineering

Registration/Certifications:
Professional Engineer (NY, NJ)
Certified Construction Manager, CMAA
PMP

Professional Summary

Mr. Law has nearly 28 years of technical and management experience in civil engineering related projects. The majority of his experience has been on projects in the New Jersey and New York metropolitan area. He has also spent nine years working overseas managing some noteworthy and high-profile projects. He has served as a project manager, design manager, and resident engineer throughout his career. As a designer and project manager, he has worked on all aspects of civil engineering and has prepared many designs and complete bidding documents on many different types of projects. While serving as a resident engineer, he has gained a significant amount of field experience, which he has reflected on the designs under his supervision.

Selected Experience

Various Projects. Louis Berger, Morristown, New Jersey. Corporate coordinator. Mr. Law manages Louis Berger's Corporate Quality Management Group responsible for the group's activities. This includes the monitoring and evaluation of the QA/QC activities for all significant projects (domestic and international), holding monthly meetings, and coordinating the technical evaluations and recommendations of projects that have encountered significant technical problems in both the construction and design phases. He was also instrumental in the implementation of Louis Berger's new quality control/quality assurance program, including all related procedures and documentation.

General Services Administration, New York, New York. Construction manager. Mr. Law was responsible for the management and supervision of the building redevelopment program, which included the design and construction of 10 medium-sized building construction/ renovation projects at various locations in New York City for clients that include the Federal Bureau of Investigation (FBI), U.S. Department of Homeland Security (DHS), and U.S. Department of Veteran Affairs (VA).

World Trade Center (WTC) Redevelopment Program, New York, New York. Construction and design management specialist. Mr. Law prepared the project management manuals for One World Trade Center and the WTC Memorial projects. He compiled all procedures, controls, roles, responsibilities, and technical obligations required for these two major components of this extremely high-profile project. His responsibilities included numerous technical review/evaluation meetings, which were necessary to provide realistic and useful project management manuals that could serve as the primary management resource during the lifespan of the projects.

Route 280 Reconstruction, New Jersey. New Jersey Department of Transportation (NJDOT). Project manager. Mr. Law was responsible for the design of the reconstruction and resurfacing of 4.7 miles (8 km) of Route 280 from Livingston to Roseland, New Jersey. He was responsible for preparing the design and construction documents, which involved pavement reconstruction and rehabilitation, super elevation upgrading, safety upgrades, LMC bridge deck repairs, traffic control and staging, highway lighting, electrical plans and connections, fiber optics, traffic management/monitoring installation, rumble strips, and call-box installations.

Route 202/206 Reconstruction. Somerset County, New Jersey. NJDOT. Project manager. Mr. Law was responsible for the full design for the reconstruction of Route 202/206, which involved extensive traffic reconfiguration and detouring, super elevation upgrading, utility research, row research, impact attenuation design, electrical and structural plans, and a full field survey to provide up-to-date base mapping for this pavement resurfacing and reconstruction project.

Route 120 Realignment. East Rutherford, New Jersey. NJDOT. Project manager. Mr. Law was responsible for the utility research and utility relocation plans. This project involved extensive research and design of numerous utility relocations due to the full highway and interchanges realignment, designed to pass through the Meadowlands Sports Complex. Project required the staged construction of nearly all of the belowground facilities in order to keep all utilities operational during each stage of construction. An extensive coordination effort was required to ensure that the staged construction of the utility relocations, including temporary connections, would not hinder the construction of the road and bridge construction.

Bridge Deck Repair Contracts 5A, 5B, 94-1, 95-1, 96-1 & 1A, and 97-1. Northern New Jersey. NJDOT. Project manager. Mr. Law was responsible for the full design for the deck repairs and safety upgrades on numerous bridge sites throughout northern New Jersey, released under multiple contracts. Scope included bridge plans, construction plans, traffic control plans, construction staging, and detouring, including utility research and all site-specific details for more than 100 sites. Drawings, specifications, and cost estimates were prepared for all repair sites.

Lot G Reconstruction, Newark Airport. Newark, New Jersey. PANYNJ. Project manager. Mr. Mr. Law was responsible for the design of the reconfiguration of the access roads to and including Lot G at Newark Airport, in order to provide a safe access road and an organized parking facility consistent with the ongoing airport expansion program. This involved the monitoring of existing and proposed traffic management systems and the design of the parking facility, including the layout, temporary traffic control (including detours), lighting and construction staging, and multiple discipline coordination with the adjacent road systems, parking garages, and access roads. Traffic management for these reconstruction projects were particularly difficult due to the necessity of extremely efficient traffic control to limit the impact of the project in these heavily utilized areas by both private and commercial vehicles, including heavy container and general cargo trucks that used the system to connect to passenger and cargo terminals, storage areas, and warehouses.

Ken Favaro

CIVIL/ STRUCTURAL INSPECTOR

Firm: Louis Berger
Years' Experience: 36

Education:
Masters, City and Regional Planning, Urban Design
BA, City Planning (Urban Design) and Political Science

Registration/Certifications:
See below

Registrations/Certifications

- ACI Concrete Field Testing Technician – Grade 1
- ACI Concrete Construction Special Inspector (Separate Certifications for NY and NJ)
- ACI Certification / Concrete Construction Technology Course
- S-1 Structural Steel and Bolting Special Inspector
- SSTC Certification / Structural Steel and Bolting Inspection Seminar
- SSTC Certification / Plan Reading for Steel Construction Seminar
- SSTC Certification / Structural Welding Inspection Seminar
- OSHA 10-hour Construction Safety & Health Course/Certification
- OSHA Confined Spaces Certification
- OSHA Demolition Certification
- Crane Seminar / Training (CE 198 and CE 199 Vertical Transportation Machines)
- Member / American Planning Association
- TWIC Clearance / Escort Status
- PATH Certified Employee in Charge
- PATH Certified Roadworker
- USCG Certification in recognition of work with NY Waterway during the WTC attack evacuation

Professional Summary

Mr. Favaro has been a marine construction and site work project manager in the New York metropolitan area since May 1984. His current position with Louis Berger is Senior Civil Inspector for the Port Authority of New York and New Jersey, handling complex, large-scale marine construction projects for the Port Commerce Division, operating primarily at the Brooklyn Marine Terminal in Red Hook and the New York Container Terminal in Port Ivory, Staten Island. Mr. Favaro's primary job responsibilities include workmanship and materials quality assurance, daily detailed job inspections, site safety/OSHA compliance, and approving/processing contractor payment requisitions.

Selected Experience

Brooklyn Marine Terminals, Piers 7, 8, & 9B. Brooklyn, New York. PANYNJ. Field representative/marine construction inspector. Mr. Favaro worked on a $2.8-million marine rehabilitation project contracted to Trevcon Construction Company. Work included 354 pile jacket repairs (of seven various types) to eliminate further pile deterioration from marine borers; removal and replacement of 650 linear feet of deteriorated steel walers supporting existing steel bulkheads; preparation and welding of 30 large steel plates along the existing bulkheads to prevent upland wash-out; and removal and replacement of the timber fendering pile system in order to replace steel walers. Job responsibilities included providing quality assurance to ensure that materials and the contractor's means and methods resulted in repairs called for on the contract drawings and specifications; daily job supervision and performance of detailed work inspections resulting in daily job reports; scheduling and witnessing underwater

inspections by the Port Authority's Diver/Engineer Contractor; assuring that OSHA safety regulations were being adhered to at all times including daily review of job conditions, weekly safety/toolbox talks with the contractor, scheduling site inspections with risk management and insurance representatives; attending job meetings to discuss project status, open RFIs and means and methods to address special situations during construction; and reviewing and approving contractor's financial documents, including job status reports (monthly percentage completion documents) and monthly payment requests.

Various Restaurant Projects. U.S. East Coast. RM Hospitality Group – dba Rosa Mexicano. Director of construction. Mr. Favaro served as company director of construction, responsible for the construction of new restaurants and the upgrade of a total of 10 restaurants in New York City and along the Eastern seaboard. Pertinent construction management skills included his ability to secure all required permits in a complex regulatory environment; design, scheduling, and construction of three units per year; selection of general contractors; value engineering; preparation of job cost estimates developed through blueprint take-offs and contract/labor negotiations; development of capital expense and repair/maintenance budgets; generation and management of job schedules and task coordination time lines; negotiation of repair and maintenance (R&M) contracts with all mechanical and service contractors including scope of work, schedule and price, which resulted in zero increase in cost of R&M contracts during the time managing this task (2007-2009 contracts); implementation of warranty procedures and protection; drafting O&M manuals written with emphasis on safety procedures and compliance with OSHA requirements; and review of leases for compliance with landlords' requirements relative to tenant responsibilities for shell improvements and maintenance.

New York Waterway and Arcorp Properties, Inc. Director of construction. Mr. Favaro was responsible for permitting, design, construction, and maintenance of 37 ferry terminals and maintenance facilities. He was responsible for the procurement of all regulatory and environmental permits including those from the Army Corps of Engineers, Section 10 Permits (Rivers and Harbors Act) and Section 404 Permits (Clean Water Act); the NY Department of Environmental Conservation (Waterfront Development Permits); and the NJ Department of Environmental Protection (NJ DEP) (Waterfront Development Permits / CAFRA Compliance). Specific construction and environmental related issues reviewed by federal and state agencies included: demolition and removal of debris posing potential hazard to navigation; dredging and dredge spoils remediation; installation of turbidity curtains / environmental controls during construction; pile driving / bulkhead and breakwater construction; water quality control; conformance with seasonal construction and dredging windows; and shoreline stabilization / erosion control.

WTC Terrorist Attack Action and Construction. N Y Waterway. Director of construction. Mr. Favaro directed ferry activity during the emergency evacuation of approximately 180,000 people fleeing New York City using all fleet vessels after the WTC attacks. He immediately identified the locations for new and relocated upgraded ferry terminals in the NY Harbor as described in the Ferry Project List. Mr. Favaro worked closely with USACE and other federal, state and municipal Agencies to fast track plans to expedite construction and/or relocation of these ferry terminals to meet commuter needs due to the closure of major train tunnels.

Quinton "David" Hapke

CIVIL/ STRUCTURAL INSPECTOR

Firm: Louis Berger
Years' Experience: 15

Education:
Not Applicable

Registration/Certifications:
See below

Registrations/Certifications

- NICET Level II exam passed (being renewed)
- American Concrete Institute Special Inspector
- HazMat Endorsement
- NYSDOL Asbestos Project Monitor (under renewal)
- NYSDOL Asbestos Inspector (under renewal)
- NYSDOL Asbestos Air Sampling Technician (under renewal)
- 10- Hr. OSHA Safety Certification
- Blaster's Certificate of Competence
- ATF Clearance
- Explosives License
- CPR Certified

Professional Summary

Mr. Hapke is currently serving as construction inspector/environmental specialist specializing in onsite construction inspection, asbestos project monitoring/survey services, and lead inspections. In this role, Mr. Hapke provides on-site project monitoring oversight, air sampling, and surveys for potential hazardous materials to a variety of clients including local, state, and federal agencies. In addition, Mr. Hapke also has an extensive background in general construction that includes the tasks of controlled inspections, project oversight and scheduling, seismic monitoring, field safety coordination, and public relations. He has also previously served as blaster-in-charge, foreman, field crew supervisor, and liaison to state, local, and federal governing agencies.

Selected Experience

Stewart International Airport. New Windsor, New York. PANYNJ. Construction inspector. Mr. Hapke was responsible for the inspection and management of various projects including, but not limited to civil, structural, electrical, life safety systems, and tenant alterations on Port Authority property. Mr. Hapke worked closely with the resident engineer on submittal reviews and payment applications as well as all other documentation necessary for successful project performance and closeout. Projects include but are not limited to:

- **Rehabilitation of Weather Instrument Power (WIP) Circuit:** Mr. Hapke was responsible for coordinating with the Stewart Airport Operations group on the issuance of Notices To Airmen (NOTAMs) relative to work location in critical areas on the airfield. Because the project required closures of runways and taxiways to facilitate duct bank crossings, the work was compressed into 48-hour schedules to complete the work on each duct. Scope of work also included installation of manholes outside of safety areas but between taxiways and runways.
- **Rehabilitation of Taxiway Edge Lighting:** Mr. Hapke coordinated with Airport Operations to manage the closing of numerous crossings and manage the work that was being done on the taxiway edges. The scope of work included circuit shut downs for

edge lights, trenching to accommodate new conduits, and new wiring for high efficiency LED edge lights.

- **Rehabilitation of Runway 9 Approach Lighting and Cables:** In order to maintain Stewart's CAT II airport status, the FAA required an upgrade of, and insurance of, a fully functioning system. Elements of this project included displacing the main runway (9-27), which were 11,817-feet long. Light cans were replaced and new light can locations were cored and installed for conformance to appropriate Advisory Circular requirements. New power lines were fed from the airfield electrical vault and four new manholes were added over the NYC Aqueduct that runs underground, perpendicular to the runway. Timing was also of the essence in this task due to multiple closures to vital areas of the runway.
- **Airside Pavement Repairs and Markings:** Under this work order Mr. Hapke oversaw concrete and pavement repairs, landside paving, airside trench drains, airfield restriping, airfield slab repairs, and paving of fuel pad ramp airside.
- **Runway Weather Information System:** Mr. Hapke performed inspection duties on this project to install all new sensors into the runways at Stewart Airport. Due to the sensitivity of the locations, work was performed at night.
- **Terminal Building Roof Replacement:** Oversaw the removal of the old terminal roof and reinstallation of the new TPO roof and associated equipment.
- **Sewer Rehabilitation Project:** 6,000 feet of outdated and damaged clay pipe was replaced by means of pipe bursting. Mr. Hapke was involved from cradle to grave on this project. He inspected the maintenance and protection of traffic daily, as well as the installation of the new HDPE piping.
- **Building 2290 Roof Replacement:** Mr. Hapke oversaw not only the asbestos abatement, but also the new roofing installation for the 40,000-square-foot roof over Building 2290. His qualifications allowed him to "switch hats" and manage the project from the submittal process to the final closeout for both the construction and environmental fields.
- **Mid-Hudson Regional Crime Laboratory Design-Build:** Mr. Hapke served as the lead inspector on this unique Design-Build for the Port Authority. He has been involved from the design stage to the actual construction of the 10,000-square-foot building that houses confidential, state-of-the-art equipment, involving every discipline in building construction. Due to the high profile status of the project, meeting deadlines and ensuring conformance to specifications is paramount on this project.

Various Airport, Bridge, and Facility Projects. New York and New Jersey. PANYNJ. Industrial hygienist. Mr. Hapke performed asbestos air and project monitoring in addition to ACM surveys at various PANYNJ facilities. Responsibilities included adhering to all levels of regulation as well as Port Authority's more stringent regulations regarding asbestos abatement in highly sensitive areas.

Education

- BS, Civil Engineering

Professional Qualifications and Certifications

- OSHA Confined Space Safety
- Asphalt Paving Construction Technologist (SAT)
- ACI Concrete Field Testing Technician Grade 1Cert#[redacted]
- ACI Concrete Construction Special Inspector
- OSHA 10-Hr Construction Safety and Health Course
- Traffic Control Coordinator, TCC (Rutgers University)

Summary

Mr. Anwar has extensive experience in heavy industrial projects, power plants, bridges, highways, drainage, and earthwork projects. He has worked with Cansult Inc. in Riyadh, Saudi Arabia on their Riyadh Sewerage and Storm Project and supervised pipe laying (RCC, AC, PVC, and GRP pipes ranging from 8" to 72" in diameter), testing , and construction of manholes, catch basins, and house connections. Construction supervision of pre-cast and cast in-situ concrete box channel with cell, retaining walls, level control for rock excavation and concrete pours. Supervised construction of deep manholes, invert checking, catch basins, and checking. Coordinated between team members and construction supervisors for the assigned work. Responsible for land development project that included planning, designing, and specifications preparation for a sub-division of Toronto, Canada, which included roads, water mains, storm water, sanitary, and lot grading. He participated in preparing tenders, specifications, evaluation, and clarification, as well as provided liaison with sub-contractors, suppliers, and clients. He prepared follow-up of site activities from site handing to project completion. He worked with FIDIC and was involved in the contract interpretation clauses. He has expertise in several PC applications, such as MS Office Applications, MS Project, and Primavera Scheduling Software P3/P5/P6.

Experience

Techno Consult, Inc., Princeton, New Jersey.

REI Services for Resurfacing, Pavement Improvements, and General Repairs at Various Locations within Brooklyn, the Bronx, and Queens, New York. Mr. Anwar is responsible for the construction inspection for conformance with plans and specifications. He also prepares and maintains daily construction inspection reports and payments. Scope includes milling and resurfacing, concrete work (curbs, sidewalks and pedestrian ramps), and tree work.

REI Services for NYCDDC Annadale Road Sanitary & Storm Sewer Project, Borough of Staten Island, New York. For this $14 million project, Mr. Anwar, as civil inspector, is responsible for the preparation of daily construction inspection reports; maintaining payment records (including verification of contractor's time and material sheets and assisting in review of contractor's partial payment requests); monitoring contractor's work progress based upon his approved construction schedule and reporting any deviation; performing all field duties as required by the resident engineer, and inspection of micro-tunneling for 2000 linear feet of 12-inch sanitary pipe.

Downstate Misc. CM-Chemical and Petroleum Bulk Storage Facilities Upgrade. Wards Island. WPCP. This project mainly consists of constructing a number of concrete containment pads to prevent spillage or contamination from chemical/fuel oil loading trucks. It includes modification of existing ferric chlorite and hypochlorite tanks. It also includes installing two new ferric chlorite tanks along with related pumps, dyke, piping, and associated filling containment pad. Contract also includes work on the boiler building existing temporary fuel tank, which has to be removed, cleaned, and replaced with new 4,000-liter tank along with associated new piping, new transfer pumps, and new 275-liter day tank. Scope also calls

for installation of three new 15,000-liter permanent aboveground fuel oil tanks along with related piping and pumps. As office engineer, Mr. Anwar provides as-built updates, maintenance of all tracking logs, processing monthly pay requisitions, tracking material certification, maintaining field office files and filing system, preparing correspondence, preparing change orders, facilitating RFIs, and writing meeting minutes.

$300-million Polycarbonate Industrial Project, Saudi Arabia.As project control manager, Mr. Anwar was responsible for SR 1 billion (approx. $300 million) involving heavy civil, mechanical, electrical works including construction of RCC pipe racks, tank farms, sub-station buildings, remote interface buildings, incinerator building, heavy equipment foundations, vessel foundations, development of infrastructure, underground/overhead piping, and steel structures. His major duties included review and analysis of contractor's resource-loading Primavera P6, baseline schedule, and monthly progress schedule updates. He was also responsible for preparation of responses to contractor's schedule narrative reports, independent cost estimates for delay claims using RS Means methods, analysis of contractor's time extension and/or liquidated damages based on TBTA Master Legal, attending monthly project meetings, and independently preparing several monthly schedule updates in the absence of contractor's schedules for the client.

$75-million Natural Gas Pipeline (N.G.L ARAMCO), Saudi Arabia. As project control manager, Mr. Anwar was responsible for SR 250 million (approx. $75 million) involving heavy civil, mechanical, electrical work including construction of RCC pipe racks, heavy foundations, underground/overhead piping, plumbing stations, and infrastructure development. His major duties include reviewing and analyzing contractor's resource-loading Primavera P5, baseline schedule, monthly progressing schedule updates, preparing responses to contractor's schedule narrative reports, analyzing risk exposure on a monthly basis using variances, and exceptions delay claims.

Toronto Land Development Project, Toronto, Canada. As project coordinator, Mr. Anwar was responsible for $10 million land development project that included planning, designing, and specifications preparation for a sub-division of Toronto. Scope included roads, water mains, storm water, sanitary, and lot grading. He participated in preparing tenders, specifications, evaluation, and clarification, as well as providing liaison with subcontractors, suppliers, and clients. He planned and prepared construction schedules, milestones, and monitored progress against established schedules; followed up on site activities from site handing to project completion; coordinated with other engineers and suppliers/subcontractors for the execution of the project on time and on budget. He prepared as-built drawings, attended monthly progress meetings and weekly site meetings, and submitted weekly reports on site activities. He attended to problems that rose during the implementation phase and reported same to head of the section. Mr. Anwar implemented company HSE policy, suggested improvements, designed and operated common database and engineering software, and use spreadsheets and project management applications.

Education

- BS, Civil Engineering

Professional Qualifications and Certifications

- ASCE Grade PIV
- OSHA 10-Hr Construction Safety and Health Course
- ACI Concrete Field Testing Technician Grade I Cert #[redacted]
- HOT WORK-PAI (Permit Authorizing Individual)
- 8-Hr HAZPOWER Refresher Course
- 40-Hr HAZWOPER
- Confined Space Entry
- Structural Steel and Bolting Inspection (completed course work)
- Structural Welding Inspection (completed course work)

Summary

Mr. Warsi has extensive experience working on large projects around the world. He is a highly skilled inspector having successfully performed work on projects for CSO abatement, bridge rehabilitation, building construction, and water supply. Mr. Warsi is also very familiar with the various day-to-day reporting requirements for civil engineering projects.

Experience

Techno Consult Inc., Princeton, New Jersey. REI Services for Resurfacing, Pavement Improvements, and General Repairs at Various Locations within Brooklyn, the Bronx, and Queens, New York. Mr. Warsi is responsible for the construction inspection for conformance with plans and specifications; the preparation and maintenance of daily construction inspection reports; and maintaining payment records. Project scope includes milling and resurfacing, concrete work (curbs, sidewalks and pedestrian ramps), and tree work.

$1.5-billion Newtown Creek Wastewater Treatment Plant. NYCDEP, New York. Mr. Warsi is responsible for the construction inspection for conformance with the plans and specifications; preparation and maintenance of daily construction inspection reports; and maintaining payment records, including the verification of contractor's time and material sheets and review of contractor's partial payment requests. Maintains as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings, and monitors contractor's work progress based upon his approved construction schedule and reports any deviation.

The project involves the completion of significant upgrades to the structures and systems that treat wastewater from a combined sewage treatment system. Some project elements include improvements to the plant bar screens, electrical, plumbing, HVAC, controls and instrumentation upgrades, new screening and control buildings, new barge facilities, and site work. The plant is undergoing a major capital improvement and upgrade program to expand its intended capacity from 1.2 to 1.8 cubic meters per day – a 50% increase. Process improvements will result in dramatic reductions of biochemical oxygen demand (BOD) and help bring NYC into compliance with the secondary treatment standards required under the Clean Water Act.

$155-million Delaware Aqueduct Rehabilitation of Shafts 9, 10, & 18. NYCDEP. Carmel/Kent, New York. As a cost engineer, Mr. Warsi was responsible for checking and reviewing certified payroll, prevailing wages, and daily report with the inspector's reports; checking quantities and the percentage of work done; verifying pencil copy of invoices with site representative and notifying contractor of any deviation; sending out request for insurance verification for the contractor and subcontractors to NYCDEP; reviewing final copy from the pencil copy, processing payment and updating payment log, and making PowerPoint

presentation for NYCDEP auditors. As civil inspector, Mr. Warsi was responsible for supervision and inspection of structural steel, placing and splicing of rebar, quality/quantities of reinforced concrete in compliance of project specification, supervision of storm/sewer water pipes (gravity and force main) inverts and elevations of distribution network containing pump stations manholes and cleanouts; storm water prevention protection plan; site safety and assuring local/state regulations were followed, assisting deputy resident engineer, interfacing with both the site main office and field office; keeping track of scope of work, machinery, manpower and T&M items; and demolition work and disposal of debris according to city/state regulation. Project consists of replacing all existing sluice gates and operators; remediation of hazardous materials including lead paint, asbestos, mercury, and PCBs; replacement of existing incremental valves and piping; replacement of existing manually cleaned screens with mechanically cleaned screens; installation of new chlorination feed system in building addition; installation of chlorine gas scrubber; replacement of all un-watering and sump pumps; replacement of house water system, including a new separate potable water system; construction of new water quality station; providing improved entrance and parking area; installation of new emergency power generator, dredging of influent channel of sediment; upgrading electrical and HVAC systems; replacement of chemical feed and storage facilities, including chemical unloading stations; replacement of all un-watering and sewage pumps; installation of a new water quality station; installation of separate potable water system; replacement of flat roof over the operator building; installation of emergency power generator in a dedicated structure; providing improved entrance and parking area; and stabilizing eroded embankment.

$25-million Kensico Flow Improvement and Control Project. NYCDEP. Valhalla, New York. As a civil/structural inspector, Mr. Warsi was responsible for the construction inspection for conformance with the plans and specifications and reporting any deviations to the resident engineer; preparation and maintenance of daily construction inspection reports; maintaining payment records, and as-built drawings; assisting in the preparation and negotiation of construction change orders; coordinating with contractor regarding the CPM schedule; and monitoring contractor's work progress. Project was divided into three phases: Phase I Construction of a Dividing Wall Buttress at Hillview Reservoir; Phase II Kensico Flow Control Modifications, with construction of the Flow Control Structure; and Phase III Construction of Hillview Cover. Flow Control Modifications - Shaft 18 & 19. The new structure included access man-ways for inspection of the structure and accompanying supply conduits, as well as stop plank grooves with removable concrete planks at ground elevation for isolation of supply conduit sluice gates; connection with piping and blind flange for future drinking water connection for the town of Mount Pleasant, and a similar connection for water supply to future water fountain in the existing aerator. Modifications to Shaft 19 of the Delaware Aqueduct consisted in removal of existing concrete weirs and provision of new vent structure at shaft if necessary. These modifications reduced head losses through the structure and increased the flow discharge capacity of the aqueduct.

Rehabilitation of Betsy Ross and Commodore Barry Bridges. Delaware River Port Authority. Maple Shade, New Jersey. Mr. Warsi's responsibilities included performing construction inspection for conformance with the plans and specifications, and report any deviations to the Resident Engineer; Prepare and maintain daily construction inspection reports, which shall indicate the Contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work.

Education

- AS, Business Management

Professional Qualifications and Certifications

- ICC Structural Steel and Bolting Special Inspector
- ACI Concrete Construction Special Inspector
- ACI Concrete Filed Testing Technician – Grade I Certification
- MTA NYCT Track Safety
- Path Roadway Worker Protection Certification (Employee in Charge)
- Special Inspection of Structural Masonry Construction (The Masonry Society 10-Hr Seminar)
- OSHA Training (10-Hr)

Summary

Mr. Nunez has 15 years of experience as a civil construction inspector. This knowledge has given him the expertise in inspecting for different projects in which he supervised 400 guest room renovations, inspected construction for the phased MTA 1/9 subway lines project, and performed construction inspection for transit center police renovation.

Experience

Techno Consult, Inc. Princeton, New Jersey. Journal Square Transit Center Police Command Renovation and Christopher Street Substation Upgrade/Renovation. Port Authority of New York and New Jersey. Mr. Nunez was responsible for performing construction inspection for conformance with plans and specifications, and reporting any deviations to resident engineer; preparing and maintaining daily construction inspection reports, including contractor's work activities, progress of work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. He maintained payment records, including the verification of contractor's time and material sheets and assisted in the review of contractor's partial payment requests. He reviewed contractor payment requests and recommend reasonableness to the resident engineer, identified potential extra work issues and advised resident engineer, prepared estimates of extra work; maintained as-built drawings, including any deviations from the contract drawings or approved shop drawings; reviewed plans for constructability and prepared comments; assisted in preparation and negotiation of construction change orders; coordinated contractor towards preparation of CPM schedule; monitored contractor's work progress based upon his approved construction schedule and report any deviation; performed all other inspection and field duties as required by the resident engineer; and ran project meetings and kept minutes. Renovation of the police command facility, which is located on the concourse level of One Path Plaza in Jersey City, included new command desk; new locker rooms; new kitchen; upgrade of security systems (access control); and upgrade of data systems, intercom, and telephone. Substation upgrade/renovation included steel reinforcement of existing floors receiving new electrical system, construction of new offices, and new access/egress for the existing five-story building.

PB-URS-World Trade Center (WTC) Transportation HUB/SITE. Port Authority of New York and New Jersey. Mr. Nunez's responsibilities included inspection of construction during underpinning (preloading/loading) phase of the MTA 1/9 Subway line, demolition, excavation, and clean-up for Towers Two, Three, Four and Path Hub building areas. He assisted resident engineers on both the East and West Bathtubs work packaged by conducting inspection services during construction of WTC East/West connector. He ensured that arch erection, concrete/steel reinforcement installation, and fire proofing application was performed in accordance with approved contract documents and that project site specific rules, regulations, and applicable plans for operations management, site safety and quality management

were followed. Responsibilities included monitoring daily activities of all trades under general condition package, keeping detailed documentation and maintenance of working files, monitoring and approving all time and material for payment, daily report completion, management of material deliveries and supporting documents, And daily inspections of job site for safety and compliance, as a result of on-site problem solving.

New York Hilton Towers. New York, New York. Mr. Nunez's responsibilities included management and coordination of staff members and assigning tasks to various trades as an engineering and maintenance dispatcher.

Martin Construction Brooklyn. New York. As foreman, Mr. Nunez worked on numerous residential renovation projects. His responsibilities included estimating, purchasing materials, and overseeing crew to ensure work was performed as per the contract. Hands-on field responsibilities included coordination and oversight of electrical systems, demolition, installation of 120/240-volt lighting and power circuits, panel board, and transformer installation with associated conduit, sink, and tub installation; installation of heater and A/C systems; and plastering, drywall installation, and painting.

New Yorker Hotel. New York, New York. As construction team foreman, Mr. Nunez's responsibilities included supervision of this 400 guest room renovation project, preparation of purchase orders, submittal of daily progress reports, and keeping the time and material log.

Education

- BS, Civil Engineering

Professional Qualifications and Certifications

- ACI Concrete Construction Special Inspector Cert#[redacted]
- ACI Concrete Field Testing Technician Grade I Cert#[redacted]
- ICC Special Inspector - Structural Steel and Bolting Inspection
- OSHA 10Hr. Construction Safety & Health Course
- Confined Space Entry Training
- 40 Hour HAZWOPER

Summary

Mr. Feroz has 20 years of experience working on diversified projects. He is a skilled inspector having performed work very successfully on the different projects, construction, water supply and water treatment. He is familiar with the various day-to-day reporting requirements for civil engineering projects.

Experience

Techno Consult, Inc., Princeton, New Jersey. Storm and Sanitary Sewers in South Railroad Street, Borough of Staten Island for NYCDDC, New York. Mr. Feroz responsibilities include inspection and preparation of reports for the installation of DI Pipe Water Mains at various streets, inspection and preparation of reports for the installation of Storm Water Sewer at various streets and inspection and preparation of reports for the installation of Sanitary Sewer at various streets.

QED 992, Water Main Work in Various Locations (Grand Ave., 188 Str., ETC.) for NYCDDC, New York. Mr. Feroz was responsible for performing construction inspection; coordinate with the field and the design team to resolve conflicts in the drawings; coordinate with contractor and the Maintain as-built drawings of the work; Perform all other inspection and field duties as required by the Resident Engineer. Resident Engineering Inspection Services for NYCDDC Capital Water Main Project limits in very highly traveled areas in Queens (QED 992): Grand Central Parkway, Union Turnpike and Queen Blvd along with numerous side streets. The area has numerous commercial businesses and MTA bus route, NYC Transit Subway system along Queens Blvd. The project comprises of replacing of old unlined cast iron water mains with new 8-in, 12-in, and 20-in water distribution and fire protection systems in the busiest area of Queens.

$5 million East Windsor Twp. Water Mains Improvement Project, New York. Mr. Feroz was responsible for the preparation of daily construction inspection reports, which indicated the contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization, and all other information relative to the execution of the work. Maintain payment records, including the verification of the contractor's time and material sheets, and assist in the review of the contractor's partial payment requests. Monitor contractor's work progress based upon his approved construction schedule and report any deviation. Perform all field duties as required by the resident engineer. The Township of East Windsor, New Jersey is embarked a project for the Improvement of their water main, which includes laying of 5,645 feet of pipes in three different segments, which are as follows:
Millstone Road - Laying of 2,914 feet of 16" diameter Ductile Iron Pipe (DIP) by open cut method both in paved and non-paved areas, including all fittings, bends, gate valves, manual air release valves, pressure testing at 125 psig, pavement restoration and lane striping.

Rocky Brook Road - Laying of 1,691 feet of 12" diameter DIP by open cut method both in paved and non-paved areas, including all fittings, bends, gate valves, manual air release valves, reducers, pressure testing at 125 psig, pavement restoration and lane striping.

Old Cranbury Road - Laying of 275feet of 12" diameter DIP by open cut method both in paved areas, including all fittings, bends, gate valves, manual air release valves, pressure testing at 125 psig, pavement restoration and lane striping.

Laying of 765feet of 12" dia. High Density Polyethylene (HDPE) pipe by Horizontal Directional Drilling (HDD) method in paved areas, including all fittings, bends, gate valves, manual air release valves, heat fusing of pipes and connection with DIP pipe at both ends, pressure testing at 125 psig, house connections, pavement restoration , and lane striping.

$25 million CSO Abatement Project for the City of Newark, New Jersey. As a civil inspector, Mr. Feroz was responsible for performing construction inspection for conformance with the plans and specifications, and report any deviations to the Resident Engineer; prepare and maintain daily construction inspection reports, maintain and update shop-drawing log; coordinate with the field and the design team to resolve conflicts in the drawings; review contractor's monthly requisition; coordinate with contractor and the maintain as-built drawings of the work, including any deviations from the contract drawings or approved shop drawings; perform all other inspection and field duties as required by the Resident Engineer. The project is spread out in phases. Phase: I consist of sewer separation projects in the Third Avenue, Orange Street and Bridge Street drainage areas. Specifically, this phase involves the installation of sanitary and storm sewers, cleaning of storm sewers and modifications to existing regulators. Phase II will include the removal of illegal connections from storm sewers in the Meadowbrook, Oriental, Brown, Lockwood, Blanchard, and Haynes Avenue drainage areas, and Phase III includes the construction of ten (10) screening facilities covering 14 outfalls, one each in the Verona, Delevan, Herbert, Fourth, Clay, Rector/Saybrook, City Dock, Jackson/Polk, Freeman and Roanoke drainage areas and four in-ground netting facilities covering six outfalls, one each in the Adams, Wheeler, Queen and Waverly drainage areas.

Government of Sindh, Pakistan: Local Government/ Public Health Engineering Department, Sindh, Pakistan. As a section officer (technical) Mr. Feroz worked for scrutinizing, evaluation, and processing of development projects related to water supply and sanitation sector.

Planning Monitoring and Evaluation Section, Local Government/Public Health Engineering Department for Social Action Program (SAP – A World Bank Program). Mr. Feroz served as an assistant director (civil engineering), the main objective was to coordinate Government of Sindh and World Bank for Water Supply and Sanitation Sector in rural areas of Sindh as the SAP was designed for betterment and improvement of standard of livings of rural areas. Periodically, discussions and understanding of policy matrix prepared by the World Bank for the implementation of program. The main focus was on the sustainability of the projects and finalization of methodology for the community mobilization through project implementation, teams and awareness campaign through electronic and as well as print media for the World Bank delegations endured that efforts are made for the preparation, implementation/execution of schemes by the departmental/local engineers.

Education

- BS, Facility Management
- AAS, Civil Engineering Technology
- AAS, Construction Management

Professional Qualifications and Certifications

- ACI Concrete Field Testing Technician, Grade 1
- ACI Concrete Construction Special Inspector
- NICET Material Testing Method, Level 1
- USNRT, Radiation Safety, Nuclear Densometer
- OSHA Occupational Safety and Health Administration 10 Hours
- Member of ASCE
- Member of ASTM
- Member of ACI

Summary

Mr. Mowla has more than 10 years of experience as a civil engineer inspector. As an inspector he has worked for various companies in which his skills have been beneficial. His duties have included maintaining daily inspection reports, supervising and evaluating staff with daily details on building departments requirements and ensuring field technicians were properly trained.

Experience

Techno Consult, Inc., Princeton, New Jersey. LT-234.026 Structural Rehabilitation and Repaving the Helix, NJ, The Port Authority of NY & NJ. Mr. Mowla's responsibilities for the Structural Rehabilitation and Repaving of the Helix are preparing and maintaining daily construction inspection reports, which indicated the Contractor's work activates progress of the work, crew size and composition, weather, equipment utilization and all other information relative to the execution of the work; performing special inspections for special work, such as, the concrete placement, welding, bolting, and soil investigation; maintaining payment records (creating monthly log of payments, forecast of upcoming work / payment), including the verification of the Contractor's time and material sheets and assist in the review of the Contractor's partial payment requests; reviewing contractor payment requests and recommend reasonableness the Resident Engineer (RE); identifying potential extra work issues and keep RE advised of issues. Preparing Estimates of extra work (PACC); maintaining as-build drawings of the work, including any deviations from the contract drawings or approved shop drawings; authorizing related sketches and documentation; reviewing plans for constructability and prepare comments; assisting the preparation and negotiation of construction change orders along with the coordination of the contractor towards preparation of the CPM schedule. Lincoln Tunnel Route 495 roadway approach, known as the Helix. This iconic roadway structure leading directly into the Lincoln Tunnel is more than 70 years old, and is nearing the end of its useful life. The Lincoln Tunnel Helix Rehabilitation Project will repair this crucial infrastructure over a period of three years in order to extend the roadway's usability.

DELTA Testing Laboratories, New York. As a senior inspector/quality assurance officer, Mr. Mowla's responsibilities included supervising and evaluation of field and laboratory technicians and provide daily management details, specifications and building department requirement; provide quality assurance by meeting with clients and contractors in the field to validate reports and to coordinate and surrounding metropolitan area at major projects such as schools, hospital, theaters, office buildings, shopping centers and residential units. Specializing in the inspection of construction with regard to soils and subgrade, reinforcing steel, formwork, concrete, structural steel, structural stability, integrity of building modifications and investigation of material failures; performed MEP controlled inspections at commercial and residential

job sites for various life safety systems, for suppression systems, fuel burning and storage systems, chimney and breeching systems, air conditioning and ventilation systems and refrigeration systems; supervise, perform and witness Mechanical, Electrical and Plumbing functional operational test including but not limited to fire suppression / detection systems, emergency generators, fire pumps, emergency lighting & exit sign, domestic water and storm piping at construction projects; provided technical oversight and supervisory guidance to maintain various accreditations such as AMRL, CCRL, IAS and AASHTO. The project is quality management of field and laboratory operations for a construction inspection / material testing laboratory that provides quality and inspection sign-off of building construction site development.

Independent Testing Laboratories, Inc., New York. As a field technician / lab. manager/inspector, Mr. Mowla's responsibilities included ensuring Field Technicians are properly trained, ensuring job coverage and overseeing their performance in the field and in the laboratory. Concrete, mortar, and grout inspection by determining P.S.I. using the Windsor Pin & Windsor Probe Test System; determining lump using slump cone; obtaining air percent in concrete utilizing air pressure pot; obtaining concrete core samples using concrete coring drilling equipment; concrete batch plant inspection and masonry and core drilling. steel inspection by reinforcement steel inspection; bolting inspection; fire stopping inspection and load test / pull test. soil inspection by soil compaction using nuclear densometer / sand cone; determining soil bearing capacity using the Windsor Penetrometer; sub grade inspection and soil boring. Laboratory testing by wash sieve analysis; compressive strength of concrete materials; calibration of various gauges; soil classification; air content (concrete); wash sieve analysis; unit weight test; brick & cmu absorption test; plastic limit, liquid limit; and modulus of elasticity.

U.S. Construction, Inc. As a project manager, Mr. Mowla's responsibilities include management of general construction projects with respect to estimating, purchasing, subcontracting, scheduling, billing and project coordination; provided field supervision for site development work consisting of site remedial work, roads, utilities, landscaping, foundations, common septic systems and pump station as well as overseeing the third-party party inspection and testing agency; successfully coordinated the MEP details and specifications for the CLUB house to achieve LEEDS objectives while pursuing alternative HVAC methods such as radiant floor heating.

Education

- BS, Civil Engineering

Professional Qualifications and Certifications

- National Institute of Civil Engineering Technology
- Society of Asphalt Technology, New York Chapter
- NYSDOT QA/QC Technician
- U.S. Nuclear Regulatory Commission (Moisture/ Penetrant Certified Inspector)
- ACI Concrete Special Inspector Level 2
- ACI Concrete Laboratory Testing Technician
- ACI Concrete Field Technician Level 1
- Confined Space Entry Trained
- 40 hour HAZWOPER Trained
- Federal Aviation Administration Asphalt Technician

Summary

Mr. Capito has 30 years of experience in conducting engineering inspections and testing, preparing reports, monitoring field activities, reviewing and approving plans and specifications, overseeing rebar and concrete placement, soil compaction, asphalt pavement inspection, masonry, fire stopping, fireproofing and trouble-shooting.

Experience

Techno Consult, Inc., Princeton, New Jersey. Goethals Bridge Maintenance Building and Administration building Roof Replacement, The Port Authority of NY & NJ. Mr. Capito's responsibilities monitor contractor's daily work by installing roofing and flashing system; inspecting completed work in conformance with plans and specification; preparing daily inspection reports which indicates and includes work performed by the contractor, manpower and equipment used; assisting in other project field inspections; attending constructors progress meetings. The project is to remove and replace Goethals bridge maintenance and administration building roof (entire roof).

Downstate Misc. CM-Hunts Point WPCP Phase III Upgrade, New Jersey. Mr. Capito's responsibilities include reviewing submittals for the project, monitoring day to day construction activities; conducts review and approval of contractor's payment requisitions; conducts progress meetings, and prepares reports. The work includes emptying and cleaning the tanks, then replacing the seals between the roof slab and walls (upper corner - visualize the wall-ceiling interface in a room) and the seal between the wall and floor; replacing various mechanical components on the roof, sight glasses, sample ports, cavity drains, the roofing membrane and the various valves and pumps associated with the digester tanks.

CDM, New York: Catskill/Delaware Water Treatment Ultraviolet Light Disinfection Facility, New York. For the City of New York Department of Environmental Protection, Mr. Capito was serving as the on-site resident inspector for the demolition of Catskill and Delaware aerators, the backfilling operations with approximately 200,000 cubic yards of fill materials, the construction of two dewatering system which includes the installation of more than 100 ejector wells, the removal of contaminated and non-contaminated water and soil inside the supply and aerators pipelines and the daily activities performed by the contractor and sub-contractors.

Soil Vapor Extraction System Project, New York. Mr. Capito was serving as the resident project representative for the New York State Department of Environmental Conservation's (NYSDEC's) soil vapor extraction interim remedial measure project. The project involves the construction of six new soil vapor extraction (SVE) wells and five monitoring points that connect to the existing SVE wells. The purpose of the

system is to remediate soil gas containing VOC (perchloroethylene) vapors along the vadoze zone. His responsibilities have included reviewing submittals for the project, monitoring day to day construction activities, specifically the removal and disposal of excavated and augered contaminated material (soil) on the jobsite. He conducts review and approval of contractor's payment requisitions; monitors the start-up period on the new system; conducts progress meetings, and prepares reports.

Appari & Associates: Spring Creek Auxiliary Water Pollution Control Plant Upgrade, New York. For the New York City Department of Environmental Protection, Mr. Capito was assigned as the civil inspector on the $90 million project. He was responsible for engineering inspection, monitoring construction activities and preparing reports. He oversaw earthwork activities (including soil excavation, soil testing, compaction, and site grading), rebar and concrete placement, formwork, structural steel erection, and other related testing and inspection activities on the jobsite.

Slattery, NY: Air Rail Transit at JFK Airport, New York, New York. For the Port Authority of New York and New Jersey, Mr. Capito performed inspections and coordinated general construction activities from foundation to finished work. He was in charge of and supervised a group of independent (sub-contractor) testing laboratories covering inspections on soil excavation, backfill and compaction operation. He assisted the project manager with preparing inspector/technician construction inspection procedures for soil, concrete, asphalt and other construction inspection related materials.

Cole Consulting, Inc.: American Airlines Redevelopment Project, New York. For the Port Authority of New York and New Jersey, Mr. Capito was the supervising inspector and engineer at JFK Airport, New York for the rehabilitation and reconstruction of concrete and asphalt runways and taxiways. He managed and supervised field and laboratory personnel. He conducted engineering inspections and testing; prepared reports; monitored field activities; and reviewed and approved plans and specifications. In addition, he oversaw all rebar and concrete placement, soil compaction, asphalt pavement inspection, masonry, fire stopping, fireproofing and consultations with the client on non-conformance issues. He also provided trouble-shooting for all projects.

Municipal Testing, New York: Harrisburg International Airport Redevelopment Project, Harrisburg, Pennsylvania. For the Harrisburg International Airport in Harrisburg, Pennsylvania, Mr. Capito was responsible for supervising inspectors overseeing soil excavation, backfilling and compaction, rebar and concrete placement, asphalt paving, masonry, and fireproofing. In addition, he performed concrete and asphalt plant inspection, and supervised general construction activities from foundation to super-structures and finished work.

George Atsalis

CIVIL/ STRUCTURAL INSPECTOR

Firm: JCMS, Inc.	**Education:**	**Registration/Certifications:**
Years' Experience: 16	MS, Surveying Engineering	See below

Registrations/Certifications

ACI - Concrete Field Testing Technician Grade I
ACI – Concrete Construction Special Inspector
OSHA 10-Hr Occupational
NYC DOB 4-Hr Supported Scaffold Certificate

Professional Summary

Mr. Atsalis brings more than 16 years of experience in the construction field as senior field inspector/engineer and project manager on a variety of infrastructure projects that include reconstruction and rehabilitation of roadways, highways, bridges, and buildings for various agencies. Areas of inspection include heavy excavations and foundation construction, as well as construction of concrete piers and abutments; superstructure construction including structural steel framing deck and installation of reinforcing steel and concrete placement; and the construction/installation of water mains, sewers, culverts, drains, traffic signals, and street lighting. Mr. Atsalis is fully knowledgeable and experienced in the enforcement of federal, state and city codes for construction, site safety, and maintenance and protection of traffic. His computer capabilities include Windows XP, NT, MS Word, AutoCAD, Autodesk2006, Micro Station, MS Office, Excel, and PowerPoint.

Selected Experience

Various Inspections. New York, New York. M International PLLC. Project manager. Scope includes construction administration and management, along with concrete, masonry, and welding/bolting inspections. Hired by owner to ensure contractor's compliance with approved drawings and specifications. Other responsibilities included bid review and award, drawings review, contractor's requisitions and progress payments review, quality assurance, field inspections, material review, and meetings with owner's representatives, state representatives, and contractor.

Additional Experience

Concrete, Masonry Inspections. New York, New York. Z&T Engineering PC. Senior project manager. Responsible for concrete inspections, including special and masonry inspections for new buildings). Also responsible for complete daily narratives, reports for T&M work, controlled inspection report, schedule, and site inspections.

Field Inspections Various projects. New York, New York. Engineer. Field inspector. Responsible for field inspections (relating to local law 11, concrete, rebar, and masonry), as well as special inspections (concrete, masonry, welding) and local law 11.

Joy Construction Co., New York, New York. Quality control engineer. Responsible for new building construction (building envelope) and working with architect on new architectural details concerning the building envelope, quality control, field inspections, progress reports, and meetings with subcontractors.

Kenry Contracting Inc., New York, New York. Project manager. Responsible for concrete Works (building frame), foundations, structural steel, and masonry. Worked for the concrete contractor and was responsible for drawings review, quality control, and subcontractor coordination.

Building Performance. New York, New York. Thornton Tomasetti. Senior field engineer. Scope included façade and roof Rehabilitation renovation, condition assessment, construction administration, forensics, structural/architectural property loss consulting, including scope of damage determination, cause and origin investigation, and building code consulting.

Athens Suburban Railway. Athens, Greece. Aktor S.A. Deputy project manager. Scope included railway works including micropiles, driven piles, road construction (widening of existing routes, deep excavations, and highway interchanges), utilities infrastructure, and new building construction.

Attiki Odos Freeway and Athens Northern Ring Road. Athens, Greece. Construction engineer - site manager. Scope included road construction, utilities infrastructure, and new building construction.

Aktor S.A. New Athens International Airport. Athens, Greece. Aktor S.A. Construction engineer/ safety engineer. Responsible for new building construction, airport runways, and airport utilities infrastructure.

Muhammad Kashif Syed

CIVIL/ STRUCTURAL INSPECTOR

Firm: JCMS, Inc.	**Education:**	**Registration/Certifications:**
Years' Experience: 13	BS, Civil Engineering	See below
	AS, Electrical Engineering	

Registrations/Certifications

ATI Certificate Masonry Special Inspector
ACI Certified Concrete Inspector Grade -1
ACI Certified Concrete Construction Special Inspector
OSHA Safety Certification

Professional Summary

Mr. Kashif Syed holds a bachelor's degree in civil engineering and has more than 13 years of experience working as an inspector, assistant structural inspector, and field engineer in the field of construction management. He has worked on a variety of projects that include transit, roadway and bridge, marine terminals, airport cargo facilities, and housing/industrial buildings. He has been responsible for supervising day to day contractor activities, reviewing the work performed by contractors, scheduling, progress meetings, plan review, and report writing. Mr. Syed is familiar with contract documents, contract drawings, specifications, OSHA safety rules, and all applicable codes and standards. Some of his technical skills include structural inspection, inspection of reinforcement and steel installation, concrete deck, reinforced concrete placement, construction supervision of residential buildings, installation of catch basin, storm sewer, street light, bridge deck, concrete and pavement placement, sidewalk and curb, granite slab pavement, façade inspection, street milling, and pavement.

Selected Experience

Queens Safe Routes to Schools, Phase III. Queens, New York. NYCDDC. HAKS Engineering. Inspector. Project includes the installation of new catch basin, fire hydrant, 18-inch combined sewer, distribution of 12-inch water main, new 12-inch water main valve, sidewalk, curb and raised crosswalk, and installation of furnished light pole and removal of existing. All work performed according to NYCDOT and NYCDDC plans and specifications. Responsibilities included ensuring that work was being performed according to plans and specifications.

Delancy Street Drainage and Roadway Improvement. Essex County, New Jersey. City of Newark. Inspector. Project included the installation of 36-inch reinforcement concrete pipe, catch basin, 18-inch RCP, manhole, curb, sidewalk, and pavement. All work was performed in accordance with NJDOT and Newark standard specifications plan.

Bioswale Project. New York, New York. NYC Department of Environmental Protection / NYC Department of Transportation. Senior inspector. Scope included ROW Bioswale (the planted areas in the sidewalk designed to collect and manage storm water or rainwater runoff).

Manhattan Grand Street Reconstruction Project. New York, New York. NYCDDC. Senior inspector. Project included the installation of a 36-inch steel trunk main, running east-west along the north side of Grand Street, and a 20-inch ductile iron main on the south side of Grand Street, as well as valve-controlled interconnections between trunk and distribution mains,

reinforced concrete chambers, and all related components. Responsibilities included detailed inspections of all components of the mains, on-site testing of construction and site materials, field measurements and data collection for monthly and final construction estimates, progress reports, and preparation of record plans.

Inspection of Complex Pedestrian Ramps. Brooklyn, New York. NYCDDC. Senior inspector. Inspected all intersections within various community boards, maintained daily reports, and used GPS technology to report information to New York Department of Design. Scope also included adequate drainage, not more than 8-percent slope, other related work where interferences existed (such as catch basin modifications or relocations, fire hydrant relocations, and traffic signal relocations), and that all work was performed according to NYCDOT and NYCDDC plan and specifications.

Infrastructure Reconstruction at South Brooklyn Marine Terminal. New York, New York. NYCDDC. Resident engineering inspector. One of the several critical issues was the removal of contaminated soil. Soil for the S-Curve project was tested in advance via test pits and disposed of according to NYCEDC environmental requirements. Coordination with Industry City and various stakeholders (including city agencies and private utility owners). and leases of SMBT property was critical to complete this project in a timely manner.

Bronx Reconstruction of Claremont Parkway Bridge. Bronx, New York. NYCDOT. Resident engineering inspector. Scope involved the reconstruction of Claremont Parkway Bridge over Metro North Rail Road, which included the removal of 11 girders from the bridge, demolition performed over half of the bridge at a time so that traffic could be maintained over the other half, and other demolition, including removal of bridge superstructure, approach roadways, pavements, sidewalks, curbs, guide rail, fences, and utilities. Additional construction items included new water and gas mains, electric lines, approach roadways, pavement markings, signs, traffic signals, and street lighting.

Brooklyn Water Street Reconstruction Project. New York, New York. NYCDDC. Inspector. Scope included reconstruct and upgrade to exiting water distribution system, sewers, and streets in and around the area of Water Street. Responsibilities included ensuring that work was being performed according to plans, specifications, OSHA safety rules, and federal/state requirements. Other responsibilities included ensuring that all site material was used per ASTM requirements, including concrete sampling, slump, and air tests; monitoring the progress schedule per CPM method and reporting progress to supervisor; monitoring all survey work (installation of combined sewers, new 36" trunk main, pigmented sidewalk, granite slab pavement crosswalks, curbs, catch basin connection, manholes, chambers and reconstruction of street with cobble stone pavement).

Richard Davies

CIVIL/ STRUCTURAL INSPECTOR

Firm: Naik Consulting Group, PC	**Education:** BS, Construction Engineering	**Registration/Certifications:** NICET III-Highway, Construction ACI Field Testing Technician, Grade 1
Years' Experience: 21		

Professional Summary

Mr. Davies has more than 20 years of experience in the construction inspection field that includes site/civil work; structural repairs; concrete and formwork; grading and drainage; MPT, paving; striping; and sign installation.

Selected Experience

NJDOT, Routes 1 & 9 Highway Rehabilitation, North Bergen, New Jersey. Senior construction inspector. Widening and reconstruction of Routes 1 & 9, Tonnelle Avenue. Inspected and supervised 36" diameter gas main installation (including testing) for PSE&G, 20"-diameter water main installation for United Water, traffic signal and conduit installation (ITS & VMS), and pavement markings for NJDOT.

Additional Experience

MTA MNR, Night Shift Supervisor, Grand Central Terminal Upper Level Train Shed Repairs, New York, New York. Senior construction engineer. inspection of structural repairs to the train shed and Park Avenue Tunnel.

MTA MNR, Grand Central Terminal Infrastructure Improvements, New York, New York. Senior structural inspector. Inspection of steel construction of the North End Access project, masonry and concrete inspection on the reconstruction of the brick arches in the Park Avenue Tunnel at 67th Street, inspection of the platform tactile warning strip installation, and concrete sidewalk inspection in front of the Terminal on 42nd Street. Prepared daily reports and field sketches, and monitored job safety requirements.

NYCDEP, Newtown Creek Waste Water Treatment Plant, New York, New York. Civil construction inspector. Inspection of formwork installation and concrete placement for the construction of eight egg-shaped digesters and two sludge holding tanks. Prepared daily reports of ongoing construction activities, and monitored noise levels of construction activities.

NYSDOT, Route 22 Bridge Replacement, New York. Senior construction engineer. Inspection and tabulation of final quantities of all drainage and retention pond construction using the CEES and METDRAIN programs.

NYSDOT, Sprain Parkway SB Reconstruction, Westchester, New York. Senior Construction engineer. Inspection, preparation of daily reports and tabulation of final quantities of new guide rail, fence, MPT inspections and sign installation, pavement markings, and the painting of six overpasses.

NYSTA, I-87/I-287 Exit 8 Reconstruction, New York. Senior construction engineer. inspection and preparation of daily reports of all drainage construction including RCP and plastic pipe installation, box culvert, MPT inspections, and retention pond construction, signing and striping, and asphalt paving inspection.

NYSDOT, I-95 Eastchester Creek Bridge Replacement, Bronx, New York. Senior construction inspector. Inspection and preparation of daily reports of the existing drawbridge removal and replacement with a six lane steel girder, concrete deck structure including approaches, MPT inspections, and retaining wall construction. The project also included repainting the Conner Street overpass under Class A containment, on force account.

NYSDOT, Region 8 Roadway Rehabilitations, New York. Senior construction inspector. Responsibilities included ensuring compliance with contract documents, preparing daily reports, recording installed quantities, and assisting with contract administration on various municipal road rehabilitation projects involving drainage construction, MPT inspections, full-depth pavement reclamation, paving, and associated site work.

County of Rockland, Sickletown Road Bridge Replacement, Rockland County, New York. Resident/office engineer. Inspection of the removal and replacement of the existing box culvert structure and inspection of traffic staging.

Dutchess County Water Transmission Pipeline and Pump Station, New York, New York. Senior construction inspector. Inspection of pipeline construction, backfill, concrete placement, steel construction and environmental compliance.

NJTA, Troop "D" Station Replacement, New Jersey. Civil inspector. Site/civil work consisting of grading, utilities, drainage, paving and other incidental tasks. Prepared inspector reports using CapEx.

NJTA, Newark Bay/Hudson County Viaduct Project, New Jersey. Senior construction inspector. Removal and replacement of the shoulder concrete deck slab, concrete parapet, bridge drainage system, street lighting, pavement markings and minor structural steel cleaning, painting, and replacement. Prepared inspector reports in CapEx. Total project approximately $18 million.

NYU Medical Center Institute for Biomolecular Research, New York, New York. Construction project manager. Responsible for monitoring on-site construction activities, monitoring and coordinating testing and inspection agency activities, reviewing and approving contractor's progress payments, and assisting with the startup of mechanical and electrical systems in the 23-story structure.

UMDNJ, Various Projects, New Jersey. Construction project manager. Supervised all architects, engineers, contractors, testing and inspection agencies, approved progress payments and change orders, prepared job status reports, and maintained job records and files for various new construction and major renovation projects, including construction of a 1,600-car parking garage, expansion of the mental health clinic, and construction of a heliport atop University Hospital.

TECHNO
ENGINEERS & CONSTRUCTION MANAGERS

MUHAMMAD SARWAR MALIK
Office Engineer

Education

- Bachelor of Engineering, Civil

Professional Qualifications and Certifications

- OSHA 30 hours Construction Safety Training
- ACI Concrete Field Testing Technician Grade 1 Cert #[redacted]
- TCC Traffic Control Coordinator (Rutgers)
- Certified Asphalt Technologist (SAT)
- Work Zone Safety Awareness
- Hazardous Waste Operations and Emergency Response – 40 hours
- DOT hazardous Materials Transportation

Summary

Mr. Malik is a construction and development professional with 29 years of expertise in all facets of the industry; verifiable track record for the completion of multi million dollars projects through coordinating trades, developing partnership and building positive rapport with architects, engineers, local officials, vendors and clients while maintaining costs; versed in contract negotiation, project estimating, impending design problems, documents preparation, building code and regulations, material purchasing, site management. Areas of expertise lie in: handling multiple projects; cost control management; team building and leadership; quality control management; permitting and building code safety and compliance management; construction planning and scheduling; organization and time management; critical path project management; vendors and material management; budget analysis; estimating and job costing.

Experience

Techno Consult, Inc., Princeton, New Jersey. REI Services for Resurfacing, Pavement Improvements and General Repairs at Various Locations within Brooklyn, the Bronx & Queens. Office engineer. As an office engineer, Mr. Malik is responsible for the following:

- Coordinating with materials engineer regarding status of material approvals
- Maintaining and organizing contract records
- Maintaining current plan sets and contract files for the Resident Engineer and staff Maintaining project correspondence, Non-Conference Notices (NCN), change orders and their corresponding logs
- Preparing and maintaining daily construction inspection reports and payment records, including the verification of the contractor's time and material sheets.
- Reviewing the contractor partial payment requests.
- Monitoring the contractor's work progress based upon his approved construction schedule and reporting any deviation to the RE.

Project Overview:

The Project includes milling & resurfacing, concrete work (curbs, sidewalks and pedestrian ramps) and Tree work.

Detail quantities of work are as follow:

1. Grind. Ex. Asp. Conc. Wearing Course (Milling)
2. ASP. Conc. Wearing Course 2"(Paving)
3. Pre-identified Binder mixture
4. Concrete Curb 18" Deep
5. Straight Steel Face Curb 18" Deep, 24,000 LF
6. Corner Steel Face Curb 18" Deep, 9,000 LF
7. 4" Concrete Sidewalk (Un-pigmented), 37,500 SF
8. 7" Concrete Sidewalk (Un-pigmented), 37,500 SF

9. Embedded Preformed Detectable Warning Unit
10. Maintenance Tree Pruning (Under 12" CAL)

Citywide Street Milling, NYCDDC. REI Services for Prior Notice Sidewalks in the Borough of the Bronx, NYCDDC. Mr. Malik is responsible for performing sidewalk construction inspection; coordinating with the field and the design team to resolve conflicts in the drawings; coordinating with the contractor and the Maintain as-built drawings of the work; Performing all other inspection and field duties as required by the resident engineer; preparing and maintaining daily construction inspection and activities reports.

Multiple School Safety Improvement Projects, New York. Mr. Malik worked as a civil inspector in multiple school safety projects in Brooklyn and Queens for the following Projects: PS 190, PS 257 and PS 91 in Brooklyn and PS 227 in Queens, Duties as an inspector included:

Sidewalk supervision including curbs and pad-ramps, road neck-down, street milling and paving and road marking; supervised the water main and sewer relocation and installation of new systems; supervised the removal of old site fixtures such as hydrants, valves and DIP 6" to 20" Pipes; catch basins and manholes installation supervision and inspection; supervised the field-testing for soil, concrete and asphalt; managed the punch list.

Mass Transit Projects, Hotel, Laboratory Building, Karachi, Pakistan. As a project manager, Mr. Malik's primary responsibilities were Karachi City Govt. Mass Transit Project funded by World Bank and Asian Development Bank; Construction of Boys Hostel for University of Karachi; Construction of Girls Hostel for University of Karachi; Construction of Basement + Ground + 24 story; Tower Building for Karachi Port Trust; Construction of Agha Khan Medical Centre Clifton Karachi; Construction of Laboratory Building and Oncology Building Agha Khan; University Hospital.

Construction of Exchange Buildings, Telecom Network, Jeddah and Makah, Saudi Arabia. Mr. Malik's primary responsibilities were Designing of Primary and Secondary Telecom Network; Installation of Microwave Towers in Jeddah and Makah Region; Construction of Exchange Buildings in Jeddah and Makah Region; Installation of Telecom Network in Qasim, Jeddah and Makah Region. Involved in materials testing and inspection of Parking structure construction, asphalt, soil, concrete and steel rebar inspection.

Various Primary and Secondary Telecom Network Projects, Pakistan. Mr. Malik's primary responsibilities were designing of Primary and Secondary Telecom Network; Installation of Microwave Towers all over Pakistan; Construction of Exchange Buildings all over Pakistan; Installation of Telecom Network all over Pakistan.

Various Multi-purposes Buildings, Hospital, Abu Dhabi, UAE. As a project manager, Mr. Malik's primary responsibilities were overseeing the construction of various projects such as low cost houses projects in Abu Dhabi; residential complex for ADNOC Ruwais; construction of Mufraq Hospital Abu Dhabi; construction of G + 22 story residential buildings (eight Units)

Education

- BEng (Hon.), Civil Engineering
- CEng - Chartered Engineer

Professional Qualifications and Certifications

- Engineer-In-Training
- M.ASCE - Member of the American Society of Civil Engineers
- MICE - Member of the Institution of Civil Engineers in the UK

Summary

Ms. Giffen has more than eight years of experience in project and engineering management on a wide variety of infrastructure and building projects. Her experience has included transportation, water and wastewater projects, structural monitoring and Health and Safety. She has extensive experience working for Designers, Contractors and Owners in successfully working with teams to tight deadlines with limited budgets and resources.

Experience

Project: BAA Contract Safety Documentation, Heathrow Airport UK. Project manager. Seconded to BAA Ltd to manage safety procedures and documentation for various project teams on Heathrow Airport. Integrating across disciplines and with all levels of project staff to ensure safe working practices planned at all stages of projects, including baggage handling and airside security operations

- Modifications to airports
- Health and Safety requirements

Project: Great Manmade River project, Libya. Design engineer. Design of appurtenant structures to pipeline to International Design codes. Managing program and budget constraints as well as design requirements and water related projects

Heathrow Express Rail Link, Heathrow Airport UK. Section manager. Managing construction teams as client representative. Responsible for package amending and upgrading services around the airport to prevent damage and support construction during tunneling works.

- Modifications to Airports
- Tunneling requirements
- Services co-ordination and amendment
- Construction Management

Project: Thames Water Extended Arm, vs sites in South East England. Site engineer/inspector

Site engineer acting as client representative on construction of various water and wastewater related construction and refurbishment projects. Liaison with all levels of site management. Responsible for all aspects of quality control of subcontractors work, maintenance of budget and schedule.

- Water and wastewater new build
- Water and wastewater refurbishment
- Construction Management

Project: Docklands Light Railway extension, London, UK. Site engineer/inspector. site engineer on Gallions reach section, ensuring construction compliance during construction of overhead rail. Assistant project planner, supporting creation of project plan for multimillion dollar project

- Piling
- Reinforced concrete construction
- Precast concrete construction
- Project planning

Education

- BS, Mechanical Engineering

Professional Qualifications and Certifications

- ICC Certified Commercial Mechanical Inspector
- PPE Training (Equipment and Hazardous Communication)
- Confined Space Training (Entry & Rescue): OSHA 29 CFR 1910.146
- Completed construction safety & health : OSHA 10-Hr Course
- Training of Lead Containment, Asbestos and Polychlorinated bi-phenols
- Registered Professional Engineer, Pakistan Engineering Council
- Member of American Society of Heating, Ventilation and Air Conditioning Engineers (ASHRAE)
- Basic Rigging Awareness Training
- Member of American Society Of Quality (ASQ)
- 4-Hour NYC Department Of Building (Scaffold Training)

Summary

Mr. Warsi has extensive managerial and on-site practical experience of electro mechanical multimillion construction and maintenance projects in various capacities from site engineer to consultant engineer to design, installation and testing of pipelines of drinking water, steam, firefighting, sewer mains along with installation of boilers, chiller units, packaged units, air handling units, split units and supply/return ducting and computerized building management system.

Experience

Techno Consult, Inc., Princeton, New Jersey. 26th Ward Plant Emergency Generator Upgrade: Up gradation of Emergency Generation Plant to 7.5MW for New York City 180mgd Wastewater Treatment Plant, NYCDEP. As an electro-mechanical inspector/mechanical engineer, Mr. Warsi is working on the following aspects: cost analysis, resource load CPM schedule, processing payments, managing inspections and reviewing start up and commissioning plan for system. He is also supervising mechanical and instrumentation construction work including PLC system for odor control monitoring panel and all other inspections and evaluations.

Work is being done and is in progress by being segregated into the following Phases:

Phase.1: Managed and completed installation of Diesel Fuel Transfer system. Cleaning the above-ground and under-ground fuel Storage Fuel Tanks and installation, startup strategy as per approved SOP'S and Commissioning of step-up transformers.

Phase.2: Field inspected, installation of 2.5MW MSDG(middle speed diesel generators) and 600kw black start generator, Permanent Fuel Transfer System with leak detection and central system monitoring including 5KV switchgear

Phase.3: Work on Quality assurance, attending construction strategic meeting for POP(Priority Operational Plan) writing reports on any contract deviation and various proposed site modifications

Phase.4: Performing engineering and technical support to connect Black Start Generator, Emergency generator with switchgear and existing Plant Distribution System.

$44 million (Contract 33) and $85 million (Contract 35) for the Upgrade of the Odor Control System of the North River Water Pollution Control Plant, New York City, NYCDEP, Mr. Warsi worked as a mechanical inspector and was responsible for inspection of mechanical components and systems associated with wastewater treatment He oversaw testing and acceptance of mechanical components and systems. Reported any deviations to the resident engineer. Assisted the resident engineer with resolution

of issues resulting from field conditions and with contractor relations. Interacted with design and trade personnel. Assisted with writing, evaluating and pricing of change orders. Monitored contractor's work progress based upon his approved construction schedule and report any deviation. Performed all other inspection and field duties as required by the resident engineer. In addition to all mechanical works (pumps, various pipes, process & normal valves, tanks, scrubbers, absorbers, HVAC System, AHU'S etc.) Mr. Warsi performed the following duties in 35G Contract:

Attended the start-up meetings to clarify all incomplete "Action Items"(related electrical panels functions with PMCS display); Prepared comments on related instrument drawings all missing display/ warning/ sensing instruments comparing the Specifications. Witnessed calibrations of: Pressure Gauges, Level Transmitters, Pressure Sensors, emergency alarms, Emergency Eye wash/Shower, Pressure Switches, Leak Detectors, duplex and simplex sump pumps controls. Witnessed "Functional Testing" & "Operational Testing" with Complete PLC (Program Logic Control) on PMCS and Local Station Panel and confirmed as per approved "Field Test Procedure"; Chemical Dosing and sampling system control strategy with existing system (includes DCU'S & SCP'S); Sub-contractors: (ABB, Maverick, Sage Controls, North East Controls, Dual Div.) for System Panel instruments "Functional" demonstration report to him and am scheduled to meet with them on site.

The Project included installation of new motorized FRP dampers on all scrubber and carbon adsorbers inlets and outlets; Elimination of bypass dampers between scrubber discharges and adsorbers inlet plenum; Installation of new recirculation pumps; Replacement of existing scrubber media with Jaeger Tripack media; all existing chemical metering pumps and associated piping as well as PH and ORP probes and controllers; existing carbon in carbon adsorbers with new carbon; existing sprays nozzles within the scrubbers; modification of existing carbon adsorber beds; Construction of new plenum and installation of new fans for North Odor Control System. In addition to the upgrading of the existing odor control systems under Contract 33, a number of process improvements are included in the contract: Extension of Baffle Walls within the Aeration Tanks; Installation of new waste sludge line from RAS splitter box; Replacement of existing Dissolved Oxygen (DO) Control System; 18-inch dumps valves for aeration tanks; aeration tank diffusers and piping including new droplegs and diffuser grid piping; installation of 2.0 MW Emergency Generator.

Fisher Stainless Steel Tubing Inc., Waterloo, Canada. As quality assurance coordinator, Mr. Warsi was responsible for production of stainless steel tubing as approved standard, laboratory analysis of failure parts, process improvement study using lean manufacturing system, FMEA and PPAP studies as per client requests. He was responsible to develop and deploy project management techniques, process and procedures which include technical and financial exposure, provide technical expertise for material selection, process design, product development and reduction in rejection rates / lead-time / production costs; prepare bid packages for mechanical trades, estimate change orders.

Education

- BS, Civil Engineering
- AS, Mathematics & Science
- Fundamentals of Engineering Exam (EIT)

Professional Qualifications and Certifications

- ACI Concrete Field Testing Technician Grade 1 Certification
- ICC Commercial Mechanical Inspector
- Member of American Society of Civil Engineers (ASCE)
- Member of American Society of Safety Engineers (ASSE)
- Member of Chi Epsilon, National Civil Engineering Honor Society
- Member of Golden Key National Honor Society
- Competed OSHA 40-Hours HAZWOPER
- OSHA 30-Hours Construction Safety Course
- OSHA Confined Space Entry Course

Summary

Mr. Lund has 30 years of professional experience including more than 15 years working in senior level positions on different projects. A very experienced engineer, he brings to the table years of practical experience gained from coordinating and monitoring contractor performance.

Experience

Techno Consult, Inc., Princeton, NJ: $2.5 billion Croton Water Filtration Plant, Van Cortland Park, NY, NYCDEP. Mr. Lund is working as lead mechanical engineer and his responsibilities include examining the construction of structures and sewer, water, and electrical systems, to ensure compliance with contract requirements and local building codes. Management of the construction of the NYCDEP Resident Engineer's Field Offices, construction cost estimating, testing of main excavation rock bolts, monitoring rock blasting and excavation. Reviewing payment requisitions, reviewing of time and material reports. Collecting as-built data, supervision of the implementation of Best Available Technology (BAT), on non-road diesel powered construction vehicles as required by the City of New York's Local Law 77.

The most unique aspect of the project is that the facility will be built completely underground. Construction of the facility will require two major underground construction phases: site preparation and tunneling. Each phase requires specialized expertise by both the contractors and the construction management team. The complexity includes the fact that a massive rock excavation must be undertaken before subsequent stages can begin, and tunnels must be completed before the plant can go on line. These contracts have particular risk because they are subject to unanticipated or unknown rock conditions.

John P. Picone, Inc.: Construction and Demolition of NYCDEP's Wastewater Processing Facility, Hunts Point, New York. As a project engineer, Mr. Lund coordinated construction and demolition activities and work included improvements to plant head works including the construction of a new Forebay throttling gate chamber, the replacement of main sewage pumps with variable frequency drive control, the installation of new bar screen equipment, the installation of a new scum and sludge processing system, the construction of a new personnel facility and centralized residuals handling facility, and the installation of a plant-wide instrumentation and control system. His responsibilities included coordination of work activities with various fabricators and subcontractors, procuring submittal approvals and materials and preparation of as-built drawings, coordination of the layout of new structures and equipment with a team of surveyors, coordination of the removal of hazardous materials from worksite and development of safe work procedures and maintaining safety records.

TECTONIC Engineering Consultants P.C. As a project engineer he was responsible for site planning and design related to wireless communication site; prepared construction and permitting drawings; performed structural analysis and design of telecommunication related equipment; scheduled CADD personnel to ensure project deadlines were met; inspection of sites during and after construction for coherence with design drawings.

M.G. McLaren Consulting Engineers P.C. As a project manager, Mr. Lund performed structural analysis and design of marine and special structures; performed structural inspection of marine facilities.

U.S. Department of Energy – Industrial Assessment Center. As a project engineer, Mr. Lund conducted analysis of energy usage and waste streams for Arizona manufacturers; generated comprehensive reports with recommendations for methods to conserve energy and reduce operating costs.

Thor Lund Co. Inc., Bronx, New York. As an elevator mechanic, Mr. Lund performed construction and repair of sidewalk elevators and electric dumbwaiters; prepared bid proposals for new construction and repair of elevator units; prepared plans and specifications for lifts submitted to NYC Building department.

Education

- BS, Mechanical Engineering
- Key Courses: Energy Resources & Utilities; Refrigeration & A/C; Heat Transfer; Thermodynamics; Welding Technology; Electrical Technology; Gas Dynamics, Strength of materials, Machine Design & Engineering Graphics

Professional Qualifications and Certifications

- Engineer-In-Training (EIT), Fundamentals of Engineering (FE)
- 10 Hour Construction Industry Outreach
- 10-Hour Occupational Safety and Health Training Course in Construction Safety & Health
- Certification in Auto Cad awarded by Edit system Pvt. Ltd. India
- Certification in Air Conditioning Refrigeration awarded by Government of India.
- Certifications in 3d Animations awarded by Edit system Pvt. Ltd. India

Summary

Mr. Majid has more than 15 years of experience in both mechanical design and inspection. He has extensive HVAC design and implementation using AutoCAD. He is also experienced with Microsoft office Carriers HAP 4.30, Cad pipes and was exposed to pipe/fitting/welding economics.

Experience

Techno Consult, Inc., Princeton, New Jersey. 1.5 billion Newtown Creek Wastewater Treatment Plant, New York. This project involves the completion of significant upgrades to the structures and systems that treat wastewater from a combined sewage treatment system. Some of the project elements include improvements to the plant bar screens, electrical, plumbing, HVAC, and controls and instrumentation upgrades, new screening and control buildings, new barge facilities and site work. The plant is undergoing a major capital improvement and upgrade program to expand its intended capacity from 1.2 to 1.8 cubic meters per day – a 50% increase. Process improvements will result in dramatic reductions of biochemical oxygen demand (BOD), and will help bring NYC into compliance with the secondary treatment standards required under the Clean Water Act.

Mr. Majid is responsible for inspection of mechanical components and systems associated with wastewater treatment. He oversees testing and acceptance of mechanical components and systems and reports any deviations to the Resident Engineer. Generating daily reports on contractor activity on jobsite. Assisting the Resident Engineer with resolution of issues resulting from field conditions and with contractor relations. Interacting with design and trade personnel with the aim of progressing the work in an orderly and timely manner.

Various projects for DEP, MTA, LIRR, NYCT, Metro North Railroad and NJ Transit & New Jersey Turnpike Authority. Mr. Majid gained HVAC experience in the design, coordination and construction of water / wastewater treatment plants, government and transit facilities. He performed different tasks as a mechanical engineer for numerous projects for clients including DEP, MTA, LIRR, NYCT, Metro North Railroad and NJ Transit & New Jersey Turnpike Authority. Familiar with design / construction processes and requirements. He was responsible for the design process including calculations, scoping reports, equipment sizing, layout coordination (between all trades), contract drawings/ specifications, cost estimates, shop drawing review and requests for information from contractors / engineer coordination and on-site inspection.

Project: DC WASA 358 Main and "O" Pumping Station Rehabilitation. Responsibilities involved sizing and layout of piping, boilers, pumping system, heating and ventilation units, Fans and Ductwork. Verified

existing conditions in the field for HVAC Design. Responded to RFI. Prepared design revisions. Prepared cost estimation. Reviewed contract HVAC submittals with respect to contract drawings & specifications involved during field coordination. Calculated sufficient air-change per hour in the Battery room to keep the hydrogen level low and maintained explosion proof equipment selection for battery room.

Project: Newtown Creek Contract 30H, Main Building South Addition. Reviewed contract HVAC submittals with respect to contract drawings & specifications. Maintained proper relocation of convectors in the staircases. Calculated heating and ventilation requirements.

Project: Bowery Bay –57H & 58H - HVAC Design, Prepared Cost Estimation. Reviewed contract HVAC submittals with respect to contract drawings & specifications and involved during field coordination. Prepared change orders during construction phase.

Project: Catskill Delaware. Calculated heating and ventilation loads, HVAC Equipment, ductwork & piped layouts in the various locations of the facility.

Project: New York state office of Mental Retardation and Development Disabilities. Prepared estimated cost for HVAC equipment by piping, having pipe support for feasibility study for New York state office building. Copiloted engineering data to analyze Energy Efficient Strategies.

Project: Adam Clayton Powell Jr., State Office Building. Reviewed Contract HVAC submittals with respect to contract drawings and specifications.

Project: Rutgers Houses. Reviewed Contract HVAC submittals with respect to Contract Drawings & specifications.

Project: Lehman HS, Bronx. Surveyed existing school conditions at the basement floor "Ballet Studio/Smoke Purge system" and prepared a report describing Mechanical findings & Recommendations for air-Handling unit & Ventilation system for the Ballet Studio and Smoke Purge System as per New York City Building Codes & SCA Standards. Completed scoping phase, design phase and construction phase. Performed cooling load calculation using computer software to ensure existing system-cooling performance, and proposed new HVAC equipment to optimize the Cooling performance.

Project: NYCSCA Public School PS-229, Bronx Surveyed existing conditions for the structural stabilization and water leaks; replaced existing HVAC equipment, and duct and pipes. Completed HVAC design phase and prepared HVAC contract drawings.

Project: NJSCC New Elementary School #5, East Orange - HVAC design & CAD

Project: NYCSCA Public School PS-41K & PS-332K - HVAC design & CAD

Education

- BS, Electrical Engineering

Professional Qualifications and Certifications

- NEC 2011 Review course
- OSHA 10-Hr Construction Safety and Health Course
- Certification from Professional Engineers Ontario, Canada
- Registered Professional Engineer, Pakistan Engineering Council
- Member of Institution of Engineers, Pakistan
- Member of Association for the Advancement of Cost Engineering (AACE), USA
- SCADA and DCS course

Summary

As a senior electrical inspector Mr. Syed has many key qualifications like:

- Management of a team of multi-discipline/multi-national professionals which involved creating and managing financial budgets, human/capital resource allocation plans, and supervising and reviewing preparation of contract documents and schedules.
- Conversant with North American codes and standards such as CSA, NEC IEEE, NEMA, NFPA etc, computer well-versed and able to use engineering software.
- *Completed switchgear system design and selection of equipment for High voltage system (34.5KV, 13.8KV, 4.16KV and LV Systems.) for expansion of seawater Cooling facility in Jubail, Saudi Arabia*
- Development of Control System Engineering related to power generation, distribution and pumping station along with DCS logics.
- Supervised the design and execution of medium and low voltage (34.5KV, 13.8KV) distribution network including transformers, switchgears, cables and related protection system.
- Development of electrical infrastructure network, plant's major electrical system & equipment.
- Completed auxiliary system design, UPS, DC chargers, Batteries and Fire alarm systems.
- Preparation of electrical drawings, single line diagrams, schematics, wiring cable block diagrams, schedules and various layout drawings.
- Investigation of electrical systems, UPS, SCADA and DCS system failures, and preparing and implementing directives for corrective actions.
- Analysis and investigation of plant problems and developing remedial strategies.
- Development and implementation of operations/maintenance plan and procedures and quality assurance guidelines.

Experience

Techno Consult, Inc., Princeton, New Jersey. $1.3 billion CAT/Del UV Disinfection Facility, Valhalla, NY, NYCDEP. In accordance with the terms of the Filtration Avoidance Determination (FAD) issued by the USEPA, the New York City will construct and place into operation an Ultraviolet Light (UV) Disinfection Facility for the Catskill/Delaware Water Supply System capable of disinfection a maximum flow of 2,020 million gallons per day (mgd), with an average flow of 1,310 mgd. The project will meet the water supply needs of the City and lower Westchester County and will comply with state and federal drinking water standards. The introduction of the UV Disinfection Facility will provide an additional disinfection "barrier" against *Giardia* and *Cryptosporidium* which will significantly enhance the City's water supply protection program.

Mr. Syed is responsible for construction inspection, prepare and maintain daily construction inspection reports, maintain and update shop drawing log; coordinate with the field and the design team, review contractor's monthly requisition; perform all other inspection and field duties as required by the Resident Engineer.

$260 million Wards Island Wastewater treatment Plant, Borough of Manhattan, NYC, NYCDEP. Construction phasing will be conducted in seven phases, the first of which has been completed. Phase 2 involves the construction of the Bronx and Manhattan Grit chambers. Phase 3 consists of solids handling and miscellaneous improvements. Phase 4 involves construction of personnel facilities and other miscellaneous improvements. Phase 5 involves Secondary System Improvements. Phase 6 involves Residuals Handling and Miscellaneous Improvements, and Phase 7 consists of miscellaneous improvements.

Mr. Syed was responsible for technical review of engineering packages comprised of following systems: power distribution and equipment, illumination, fire alarm and protection, lightning protection and grounding, monitoring and security, data/voice communication and cathodic protection system. Perform engineering and commissioning using PANELBUILDERS 32, QUANTUM, FAUNC, WONDERWARER, MATH CAD, RSVIEW32, CIMPLICITY, PMCS, and VERSAPRO and perform construction inspection for conformance with design and contract specification. Prepare and implement directives for corrective actions. Evaluate modifications, change orders and prepare recommendations for negotiations and approvals. Coordinate and review the CPM schedule and perform all other inspections and evaluations. Supervise the execution of day to day work on site; preparing and recommending solution of day-to-day problems encountered during the execution of work on-site.

$166 million Flushing Bay CSO Retention Facility, NYCDEP, New York. The project consists of the construction of screening and chemical treatment plant, offices and recreation facilities and equipped with the following: An advanced telemetry system control through SCADA; Power and protection monitoring system; fire alarms and fire lighting system; grounding and lighting protection system; public address system; security system; all of these above are implemented controlled and monitored through the "DCS" system.

Mr. Syed was responsible for reviewing and implementing the contract documents and designs; reviewing the modifications and change orders for approvals and implementations; review and recommend the monthly payments of contractors for final approval; Review and approve the as-Built drawings and final documents of the contracts; Supervise the execution of day to day work on site; Preparing and recommending solution of day-to-day problems encountered during the execution of work on-site.

Expansion project of technical coating facility in Burlington for Dextran Chemical Products Scarborough and GEN pharmaceutical Company. As an electrical designer he developed complete engineering package for reconstruction of Dextran chemical products. He was also responsible for completing design of low voltage distribution loads center and illumination, grounding, lighting protection system and fire alarm system, supervising the execution of construction activities of all electrical works and certifying progress payment claims, and developing complete engineering package for several community centers.

Plato Moschides

ELECTRICAL INSPECTOR

Firm: Naik Consulting Group, PC
Years' Experience: 27

Education:
BS, Computer Science

Registration/Certifications:
See below

Registrations/Certifications
NICET IV- Transportation Engineering Technology
ACI Certified, Concrete Field Testing Technician Level I
ACI Certified, Concrete Construction Special Inspector Level II
OSHA Occupational Health and Safety Act- Scaffolding and Fall Protection
MTA NYC Track Safety Certification

Professional Summary

Mr. Moschides has twenty seven years' experience in transportation engineering technology. Technical expertise in electrical, electronics, communications, mechanical, civil, structural, and architectural disciplines. professional grade construction management and inspection and professional grade construction report preparation.

Additional Experience

PANYNJ HVAC Rehabilitation and Installation of Fire Alarm and Fire Suppression Systems Various Locations. Construction manager. Electrical, electronics, communications, computer-based systems, mechanical, architectural, plumbing, sprinkler, FM 200, and environmental elements to replace existing HVAC, fire alarm, and fire suppression systems, testing and commissioning throughout the Goethals Bridge Administration and Maintenance buildings.

PANYNJ Light Pole and Light Pole Support Repairs at Goethals, Outerbridge Crossing and Bayonne Bridge Various Locations. Construction manager. Electrical, civil, and structural elements required to repair 30 light pole, light pole foundation, and light pole support locations at Goethals and Bayonne Bridges, and Outerbridge Crossing; including asbestos abatement.

PANYNJ Bayonne Bridge Emergency Electrical Repairs, Various Locations, New York. Construction manager. New raceway and cable, automatic transfer switch sequencing and testing for destroyed backup power feeders at Administration building; field testing.

PANYNJ Staten Island Bridges Fire Hydrant System Upgrades. Construction manager. Mechanical and civil elements required to upgrade the existing fire hydrant systems at Goethals and Bayonne Bridges, and Outerbridge Crossing.

PANYNJ Outerbridge Crossing Highway Speed EZ- Pass. Construction manager. New plaza traffic reconfiguration; mechanical, electrical, electronics, plumbing, civil, structural and architectural removals and installations to facilitate new highway-speed electronic toll collection system; testing and commissioning.

PANYNJ Goethals Bridge Replacement of Condenser Water Strainers and Modifications to Chemical Feed System. Construction manager. Replace existing strainers with new duplex strainers, including all supply and return piping; modify existing chemical feed supply piping; mechanical identification, hydrostatic testing.

PANYNJ Upgrade Emergency Egress Signage and Lighting for the Goethals, Bayonne Bridge and Outerbridge Crossing. Construction manager. Electrical, structural, architectural, and civil elements to upgrade emergency egress signage and lighting within Administration Buildings and hollow abutments. Work included construction of three new egress corridors with fireproof ceilings, walls and doors, facade reconstruction, replacement of overhead garage door.

PANYNJ Central Access Door Control System for the Goethals, Bayonne Bridge and Outerbridge Crossing. Construction manager. Deployment of Lenel™ software based Central Access Door Control Systems at Goethals, Bayonne Bridges and Outerbridge Crossing. installation of 130 new fail-secure doors, new PTZ CCTV/Motion detection systems, new electrical and electronics hardware, communications, uninterruptible power supplies, intra-facility networking of software based access control systems, RFID badge readers, badge creation software with intra-facility replication of access privileges using Windows 2000™ Professional, and Server operating systems, Legato™ RAID 5. Installation of new electrical conduit and cable feeders and branches, access control panels, dual-reader interfaces; integration into PAWANET mesh topology. Review final documentation: software manuals, operations and maintenance manuals, etc. Oversee 30-day operational testing.

PANYNJ Rehabilitation of Lighting Feeds and CCTV Systems for the Goethals, Bayonne Bridge and Outerbridge Crossing. Construction manager. New bridge lighting power feeds, automatic transfer switches, new enclosures, cable, branch circuit wiring, conduit, field testing. New aviation lights, navigation lights, radar beacons, foghorns, and associated feeders. Testing and commissioning.

NYCTA, 2ND Avenue Subway Contract 4C, New York, New York. Project engineer. Managing mechanical, electrical, 300kVA uninterruptible power supply, electronics, communications, fiber-optics, instrumentation, controls, signaling, traction power, plumbing, multiple fire suppression systems and conveying equipment for new 72nd Street station.

NYCTA, 2nd Avenue Subway Contract 3, New York, New York. MEP specialist. Mechanical, electrical, 375kVA uninterruptible power supply, electronics, communications, fiber-optics, instrumentation, controls, signaling, traction power, plumbing, multiple fire suppression systems, traction and hydraulic elevators and escalators (conveying equipment) for 63rd Street station 'F' line.

Richard Barrington PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years' Experience: 16	BS, Civil and Environmental Engineering	Professional Engineer (NY, NJ)

Professional Summary

Mr. Barrington is a licensed principal engineer serving as the manager of facilities engineering. He has 16 years of experience in design services for civil and environmental engineering including the past 18 months in an operational manager capacity. Mr. Barrington has been involved in a wide variety of projects for both private and public sector clients. His experience ranges from preliminary investigations and conceptual plans, through design and preparation of contract documents, to construction phase services. He has worked in many sectors, most notably education, aviation, transportation, and sports and recreation.

Selected Experience

Newark Liberty International Airport (EWR), Terminal A Redevelopment and Infrastructure Assessment. Newark, New Jersey. Port Authority of New York and New Jersey (PANYNJ). Engineer. Mr. Barrington was responsible for providing design evaluation and civil engineering services for the development of the Terminal A Sustainability Report. Provided utility assessment and master planning in support of the overall airport redevelopment program. Provided evaluation of transportation and infrastructure elements in addition to sustainable options for addressing storm water management, increased utility demand, and other affected elements by the redevelopment project within the airport environment.

Perimeter Intrusion Detection Systems (PIDS), Design-build project. New York and New Jersey. PANYNJ. Civil/structural engineer. Mr. Barrington was responsible for providing lead design engineering services for civil/utilities and environmental/permitting aspects, as well mechanical and electrical engineering support services within the command and control rooms for this confidential security PIDS design-build project for all major New York and New Jersey airports.

On-Call Security Engineering Services, Unmanned Gates Stage 3 Design, EWR. Newark, New Jersey. PANYNJ. Project manager. Mr. Barrington was responsible for civil engineering and design associated with security improvements at unmanned gate locations at EWR. The project included both physical and technical improvements consistent with existing PANYNJ technology requirements and design based threat requirements.

On-Call Security Engineering Services, Unmanned Gates Stage 3 Design, Teterboro Airport (TEB). Teterboro, New Jersey. PANYNJ. Project manager. Mr. Barrington was responsible for civil engineering and design associated with security improvements at unmanned gate locations at TEB. The project included both physical and technical improvements consistent with existing PANYNJ technology requirements and design based threat requirements.

On-Call Security Engineering Services, Unmanned Gates Stage 3 Design at LaGuardia Airport (LGA). New York, New York. PANYNJ. Project manager. Mr. Barrington was responsible for civil engineering and design associated with security improvements at unmanned gate locations at

LGA. The project included both physical and technical improvements consistent with existing PANYNJ technology requirements and design based threat requirements.

On-Call Civil Engineering Services. New York and New Jersey. PANYNJ. Project manager. Mr. Barrington was responsible for civil engineering and design associated with roadway, utility, drainage, and pavement design at John F. Kennedy International Airport (JFK), EWR, and LGA. Performed engineering assessments and development of design plans, specifications and cost estimates for EWR bay water piping removal, Building 141 site/civil and parking design, and JFK cargo road rehabilitation.

On-Call Site Feasibility Investigation Services, Statewide, New Jersey. New Jersey Schools Development Authority (NJSDA). Project manager. Mr. Barrington served as project manager for on-call engineering and environmental support program to NJSDA. Under this task order, provided program management for the contract that provided engineering and environmental services for more than 20 schools throughout New Jersey. Provided a multitude of services ranging from civil engineering, building assessments, cultural resources, environmental engineering, expert witness testimony, utility investigation, geotechnical engineering, traffic analysis, conceptual site planning, demolition and abatement, and site/civil engineering design for the schools ranging from Pre-K-4 through high school.

On-Call Site Feasibility Investigation Services. Essex Region, New Jersey. New Jersey Schools Construction Corporation (NJSCC). Project manager. Mr. Barrington served as project manager for the on-call engineering and environmental support program to NJSCC. Under this task order, provided program management for the contract that provided engineering and environmental services for more than 10 schools throughout the Essex Region. Provided a multitude of services ranging from civil engineering, building assessments, cultural resources, environmental engineering, expert witness testimony, utility investigation, geotechnical engineering, traffic analysis, conceptual site planning, demolition and abatement, and site/civil engineering design for the schools ranging from Pre-K-4 through high school.

On-Call Engineering. New York. City University of New York (CUNY). Project director. Mr. Barrington was responsible for providing proposal information and negotiating task orders for on-call contract. The on-call engineering contract provided civil, structural, mechanical, electrical, and plumbing engineering services to a variety of CUNY campuses. Awards to date include structural evaluation for a renovation for Gershwin Hall at Brooklyn College and special inspections for renovation to the Kupferberg Arts Quad at Queens College.

On-Call Security Engineering Services. New Jersey. New Jersey Turnpike Authority (NJTPA). Project manager. Mr. Barrington was responsible for various civil improvements to address security needs at various building facilities and major bridges within the state of New Jersey.

Dance Building, Purchase. New York. State University of New York (SUNY). Project manager. Mr. Barrington was responsible for providing lead civil and utility engineering services for the drainage improvements associated with water infiltration issues surrounding the Dance Building. Services rendered included site assessment, investigation of existing utilities, storm water management design, and construction oversight.

Fredrick McCarthy PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years' Experience: 29	BS, Civil Engineering	Professional Engineer (NJ, NY, PA, DE, RI, FL)

Professional Summary

Mr. McCarthy is vice president of facilities engineering including remedial design services with more than 20 years of facilities, structural, and security engineering experience. He has performed and managed numerous facility evaluations, upgrades and designs involving buildings, utilities and site restoration, and has conducted environmental investigations and remediation system designs for private industries as part of plant operations and maintenance. He is also responsible for the Louis Berger Corporate Quality Assurance Program.

Selected Experience

Port Authority of New York and New Jersey (PANYNJ), Professional Design and Technical Services for Security Capital Programs on a "Call-In" Basis. Director. Mr. McCarthy was responsible charge for providing various confidential security related design services for various tunnel, bridge, airport, rail (PATH) and port facilities projects in New York and New Jersey. Under this contract, presently preparing Stage I reports and design documents for construction and installation of crash barriers, perimeter intruder detection systems, structural hardening of access points, Infographics systems, ventilations systems safeguards and landside improvements.

PANYNJ, Baseline Structural Condition Surveys of Block A (north and south) and Block C, Hoboken, New Jersey. Project principal and QA/QC review. The task order consisted of the baseline structural inspection and façade evaluation of three structural steel framed/masonry clad 13 story high rise office and condominium structures. The manlifts and mobile scaffold were used to inspect the building facades. Deliverable included the condition survey report in PANY&NJ format with photographic documentation and building plans detailing the locations of identified immediate, priority, safety and routine repair recommendations.

PANYNJ, Cyclical Structural Condition Surveys of the Lincoln Tunnel Ventilation Buildings, located in Weehawken, New Jersey and New York (Manhattan) New York. Project principal and QA/QC review. The task order consisted of the facade structural inspection (NYC Local Law 11) and evaluation of five structural steel framed/masonry clad high rise structures. The manlifts and mobile scaffold were used to inspect the building facades. New York City Department of Transportation Sidewalk Closure permits were acquired for elevations above public sidewalk. Deliverable included the condition survey report in PANYNJ format with photographic documentation and building plans detailing the locations of identified immediate, priority, safety and routine repair recommendations.

PANYNJ, Facility Condition Survey Program buildings, Baseline Condition Survey of Buildings 37, 54, 301, 302, 304, 306, 308, 310, 312, 313, 314, 315, 316, and 317 and a Cyclical Condition Survey of Buildings 11, 34, 39, 84, 85, 123, 124 and 125 at LaGuardia Airport located in Queens, New York. Project principal and QA/QC review. Task order consisted of the completion of an existing conditions assessment of various operations, maintenance, antenna

and support buildings servicing FAA and the Airside Operation Area (AOA) of the airport. Deliverable included a report of the inspection findings, including repair and/or replacement of the noted deficiencies.

PANYNJ, Facility Condition Surveys for Building Facilities on a Call-In Basis. Director. Mr. McCarthy was responsible for executing completion of multiple buildings assessments and report preparation at JFK and Newark Liberty Airport.

PANYNJ, Quality Assurance Division, Structural Condition Assessment of JFK International Airport Buildings 30, 36, 38, 43 and 44. Quality control engineer. Mr. McCarthy was responsible for the review of structural inspections and façade evaluations and the associated reports of 5 buildings, totaling approximately 1,010,000 GSF of cast-in-place concrete, pre-cast concrete and steel construction, at JFK International Airport. The surveyed buildings were two parking garages (Blue and Green Garages) and their associated toll booth canopies.

PANYNJ, Quality Assurance Division, Structural Condition Assessment of New Jersey Marine Terminal Buildings 111, 122, 124, 125, 126, 130, 131, 135, 136, 142, 143, 147, and 151. Quality control engineer. Mr. McCarthy was responsible for the review of the structural inspection and façade evaluation and the associated reports for 13 buildings, totaling approximately 400,000 GSF of diverse construction, including steel and timber framing, and function, at Port Newark. The surveyed buildings were operated by Port Newark tenants as warehouses (ambient, refrigerated, and subzero), storage buildings, offices, commercial facilities, and domestic water pumping station.

PANYNJ, On-Call Civil Engineering Services. Program director. Mr. McCarthy was responsible for QA/QC of civil engineering services involving roadway, drainage and pavement design at JFK, Newark and LaGuardia Airports. In responsible charge of engineers and in the performance of engineering assessments and development of design plans, specifications and cost estimates. Representative projects included JFK Airport Service Road and Taxiway Rehabilitation, LaGuardia Airport Service Road Restoration, Oil/Water Separator Installations at Buildings 14, 75 and 79 at Newark International Airport, JFK Cargo Road Rehabilitation and Guard Post Crash Barriers at JFK.

Bryant Park Corporation, New Underground Facility Building and Call-in Structural and Civil Design Services, New York. Principal-in-charge. Mr. McCarthy was responsible for project oversight of this on-going design of a new underground building to support the park's electrical power requirements. Responsible for Division's design of the civil, structural, electrical lighting, plumbing and HVAC systems. Also responsible for design of various pole and telescope structural mounts throughout the park and currently providing design solutions for water supply needs within the park.

County of Essex, Division of Engineering, Culvert Management System, New Jersey. For the County of Essex, Mr. McCarthy directed the development of a management system for 240 culverts of concrete and masonry construction involving inventory, inspection and remedial design recommendations and the development of an electronic database.

Robert Thiel PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years' Experience: 18	MS, Construction Management	Professional Engineer (NJ, NY)
	BS, Civil Engineering	

Professional Summary

Mr. Thiel has 18 years of experience in civil engineering design including roadway alignment, preparation of construction contract documents for public bidding, including design of construction staging and traffic control plans. He is thoroughly knowledgeable in the use of virtual design and construction applications in both the AutoCAD and MicroStation platforms, having managed, and served as a technical advisor to, Louis Berger's CAD group in its Morristown office for more than 10 years. Mr. Thiel has designed and /or served as project manager for the design of major transportation projects, such as the Interchange 7A and I-195 Interchange reconstruction (Interchange 7A of the NJ Turnpike), an interchange between I-95 and I-195, as a part of the Interchange 6 to 9 Widening Program for NJ Turnpike and for the Port Authority of New York and New Jersey's study of the expansion of the PATH system to Newark Liberty International Airport. His experience includes all aspects of design, from preliminary Engineering to final design and post design services, and include roadway geometric design, ROW, utilities, access, bridges, retaining walls, culverts, signing and pavement marking plans, environmental and soil erosion and sediment control permitting, and project specifications.

Selected Experience

Port Authority of New York & New Jersey, PATH-EWR Connection Update, Essex County, New Jersey. Engineering lead. Mr. Thiel worked on the update of design for extension of PATH system to Newark Airport Rail Link Station. Updated engineering estimates and concepts, including development of new station and storage yard alternatives. Development of conceptual alternatives and estimates to avoid or mitigate adjacent projects also under development.

Port Authority of New York & New Jersey, PATH Storage Yard Study, Hudson and Essex Counties, New Jersey. Project manager. Mr. Thiel worked for the yard capacity study to accommodate proposed capital improvements and fleet expansion. Evaluated the peak storage at three yard locations, and developed storage projections throughout the service expansion. Developed multiple yard expansion options and evaluated effects on PATH operations.

Port Authority of New York & New Jersey, PATH-EWR CTA Connection, Essex County, New Jersey. Engineering task leader for study to extend PATH system to the Newark Liberty International Airport Central Terminal Area. Mr. Thiel developed in conjunction with the EWR redevelopment study, the project provided preliminary engineering, ridership analysis and environmental review based upon the previous Stage I design to extend the PATH system to the Newark Rail Link Station. The project explored storage options for the additional train sets, as well as a phased implementation approach.

Port Authority of New York & New Jersey, Stage I, PATH-EWR Connection, Essex County, New Jersey. Civil task leader for preliminary design of $500 million in construction. Mr. Thiel developed the transportation component to the Lower Manhattan Recovery Effort. Particular Focus was placed on extending the existing South Street tail tracks on a new alignment between the Northeast Corridor and the McCarter Highway with multiple bridge crossings, an alignment under NJ 21, US 22, the CSX truss bridge, and I-78 with a short tunnel section under NJ Transit's Raritan Valley Line. Major considerations included the yard configuration and location, Rail Link Station, platform modifications, ROW requirements, cut and cover vs. NATM tunneling, embankment vs. structured cantilever bridges. Focus was placed on a one seat ride from Newark Liberty Airport to Lower Manhattan. The project refined the recommended alternatives from the feasibility study and the conceptual design was refined for the 2.1 mile extension of the PATH system between Newark Penn Station and the Newark Liberty Airport's Rail Link Station. Provided a DC-traction power, two track system by extending the system west of the Northeast corridor.

The Port Authority of New York and New Jersey, PATH, Interim Program Management for PATH Sandy Recovery. Program manager. Mr. Thiel worked on program management services, including scheduling, document control, and supplemental staff for PATH's Hurricane Sandy recovery program. Support PATH in management of FTA grant program and applications, including development of FTA compliant Program Management Plan (PMP) and associated supporting documents and schedules.

Port Authority of New York and New Jersey, On-Call Security Engineering Services, Terminal Frontage Protection (EWR, LGA, JFK). Deputy project manager. Mr. Thiel is responsible for architectural, civil, structural, electrical, and traffic engineering and design associated with improvements along terminal frontages at JFK Airport, part of a program to provide frontage protection at the PANYNJ's three major airports. The design packages were developed in a staged manner over the course of 18 months working with various stakeholders within NJTA and within the private leasee organization. The construction work at the terminals is currently ongoing. The $90 million program, was developed with strict phasing and staging guidelines due to the active nature of airport terminal buildings. Louis Berger worked with the terminal tenants to develop staging plans that were cognizant of vehicle/pedestrian movements, commercial delivery schedules, and were cognizant of peak period experienced by certain terminals throughout the calendar year. Louis Berger coordinated various improvements at each site in a manner that was consistent with the terminals future plans for growth and did not conflict with ongoing maintenance projects and future construction efforts expected to occur within similar timeframe.

Port Authority of New York & New Jersey, Stage III, JFK Cargo Road Service Road Reconstruction, Phase I and Phase II, New York, New York. Civil task leader. Mr. Thiel worked on the final roadway design of new connection to JFK intermodal facility at JFK Rail Link Federal Circle Station, including temporary connection to existing Rental Car Lane. Final design of connection between intermodal facility and existing JFK Cargo Road, including reconstruction of JFK Cargo Road and construction of a new intersection. Major considerations include ROW requirements, superelevation study for intersection with curved roadway, drainage, utility conflicts, accommodation of existing lease holders.

Kirit Mevawala PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years' Experience: 32	BS, Civil Engineering	Professional Engineer (NY)

Professional Summary

Mr. Mevawala has more than 32 years of experience in overseeing civil engineering projects from their conceptual stages to their completion. Expertise includes managing construction of underground tunnels; concrete and steel structures; MEP engineering; utilities; track; signal; and communication contracts. Possess extensive knowledge in overseeing quality control/assurance program, safety program, risk management, contract procurement & management; heavily involved in interacting with city, state, federal, and community agencies; and highly skilled in resolving claims and disputes before they become change orders and saved millions to MTA. His contributions have resulted in saving of millions of dollars for the Metropolitan Transportation Authority. As the director of rail and transit at Louis Berger, Mr. Mevawala oversees the engineering and project management task with respect to feasibility study contract of the high speed rail system design development in the U.S. He manages program management for ongoing temporary and permanent repair to PATH system due to damage from Super Storm Sandy. The project includes both permanent repair and resiliency projects to protect the system from future storm. The repairs include replacement of damaged facilities, such as substations, and also relocation of such facilities away from hazard. Coordination with FTA and FEMA is included as a part of PATH ongoing grant program for Sandy recovery.

Selected Experience

Louis Berger, Morristown, New Jersey, Director of Rail/Transit. Mr. Mevawala oversees engineering and project management tasks with respect to the feasibility study and contract of high speed rail system design developments in the U.S. Perform feasibility studies of tunnels and elevated structures. Mr. Mevawala also verified and validated the preliminary alignment, and basic capital cost, operation cost, and maintenance cost, based on a corridor evaluation of the field. In addition, he verified and validated the work plan and budget for impacted infrastructures as well as for storm water management facilities. Last but not least, Mr. Mevawala created a database of all the maintenance and station facilities organized by size and location.

The Northeast Maglev, Baltimore-Washington SCMAGLEV Project Advisory Services Contract 2013-14, Washington, DC. Project manager. Mr. Mevawala was responsible for project management of project tasks including planning, environmental and engineering related to the preparation of an environmental impact report for the Washington-Baltimore segment of the Northeast Corridor SCMAGLEV Project. Developed preliminary alignment, and basic capital costs, operation costs, and maintenance costs based upon corridor field evaluations. Prepared the work plan and budget for impacted infrastructures as well as for stormwater management facilities. Created a database of all maintenance and station facilities organized by size and location.

Metropolitan Transportation Authority Capital Construction (MTACC), Second Avenue Subway C-26009: Track, Signal, Traction Power, and Communications Systems, New York, New York. Program manager. Mr. Mevawala managed the engineering and project management with respect to design development, contract procurement and on-site construction management. Specifically focuses on new low vibration track design and installation; traction power; station lighting; signal modernization; state-of-the-art communication systems; and system integration. Interacted with various New York City Transit operating departments and outside agencies. Particularly involved in coordination with third party stakeholders, utility companies, and Mayoral Agencies. Also communicated and coordinated with adjacent contractors who are involved in various construction contracts pertaining to the Second Avenue Subway project.

Metropolitan Transportation Authority Capital Construction (MTACC), Second Avenue Subway C-26006: 63rd Street/Lexington Avenue Station Rehabilitation, New York, New York. Program manager. Mr. Mevawala managed the engineering and project management with respect to on-site construction management. Performed enhancements to the existing 63rd Street Station with the addition of elevators and escalators; modifying the current steel structures, including evaluation of loading criteria, design of connections and stiffeners for bolted steel structures; review the contractor's means and method for underpinning and support of excavation (SOE); geotechnical instrumentation; chemical grouting for water remedy; review safe work plan and quality work plan; evaluation of the design criteria and installation of various fan plants, cooling towers, chillers, pump rooms and electrical distribution rooms; coordination of asbestos and lead abatement; and enforcing environmental compliance. Interacted with various New York City Transit operating departments and outside agencies. Particularly involved in coordination with third party stakeholders, utility companies, and Mayoral Agencies. Also communicated and coordinated with adjacent contractors who are involved in various construction contracts pertaining to the Second Avenue Subway project.

Metropolitan Transportation Authority, Second Avenue Subway Project Contract C-26002 - Route 132 A Tunnels from 92nd to 63rd Streets, New York, New York. Construction manager. Mr. Mevawala served as construction manager for the construction of the Tunnel Boring Machine (TBM) launch box involving slurry wall and secant wall construction, ground freezing, utility relocations, building remediation, twin TBM-driven tunnels from East 96th Street to East 63rd Street in Manhattan. Managed cost and schedule tracking with respect to both contract and project schedules; reviewed and approved monthly progress payments to the contractor, and was heavily involved in the negotiation and implementation of change orders. Participated in the evaluation of contractor submittals; enforcement of safety provisions; decision making related to construction procedures; technical evaluation of disputes and potential claims; participated in Dispute Resolution Board meetings; and addressed general public concerns associated with related construction. Responsible for contract administration; constructability reviews; enforcement of contract specifications/drawings; maintenance and protection of traffic flows; environmental investigations and enforcement; geotechnical instrumentation; coordination of efforts between design professionals; interaction with third party stakeholders, utility companies, and Mayoral Agencies. Involved in the review of future construction contract documents with respect to current as-built conditions and constructability.

Joseph Dietrich PE, LEED AP BD+C

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger
Years' Experience: 22

Education:
MS, Civil Engineering
BS, Civil Engineering

Registration/Certifications:
Professional Engineer (NY, NJ)
LEED Accredited Professional

Professional Summary

Mr. Dietrich is a manager with more than 20 years of experience in civil, geotechnical, and environmental engineering. His experience includes design of infrastructure improvements (roadway, storm, and sanitary systems), civil/site design, stormwater management design, E&S control design and permitting, building and structural condition assessments, geotechnical engineering evaluations and investigations, foundation system and earth structure designs and recommendations, retaining wall design, ground improvement and geosynthetic technologies, asphalt and concrete pavement evaluations and design, and construction quality control and assurance.

Selected Experience

PANYNJ, Security Division, George Washington Bridge, Ramp J, TR-2 and TR-4 Barrier Gate Update Project, Stage I, Fort Lee, New Jersey. Project manager. Mr. Dietrich was responsible for the completion of Stage I investigation and report for the upgrade of three existing gate accesses to the George Washington Bridge. Project includes the development of barrier crash ratings at each location and the preparation of preliminary designs for installation of new gates. Included interconnection with existing electrical and communication infrastructure and coordination with facility personnel to ensure design solutions fit with facility operations.

PANYNJ, Security Division, PA Bus Terminal Vulnerability Assessment, Stage I, New York, New York. Project manager. Mr. Dietrich was responsible for the completion of Stage I report involving the investigation of the vulnerability of the PABT to potential progressive collapse under several internal explosive threat scenarios. Project includes the identification of vulnerable elements and development of cost-effective retrofit options or operational mitigations to enhance the current level of protection.

PANYNJ, Security Division, JFK International Airport, Stage III and IV Services, AOA Perimeter Fence Replacement Project, Jamaica, New York. Project manager. Mr. Dietrich was responsible for the completion of Stage III design documents and Stage IV construction support services for the installation of non-metallic fencing along Runway 4L and concertina wire fencing along Runway 4R that was damaged by Hurricane Sandy. Project was fast-track priority project and included the verification of existing conditions and FAA requirements, coordination with future perimeter intrusion detector installations, and the development of work order packages (plans, specifications and estimates) for the construction and implementation of the improvements.

PANYNJ, Security Division, LaGuardia Airport, Stage III and IV Services, AOA Perimeter Fence Upgrade Project, Flushing, New York. Project manager. Mr. Dietrich was responsible for the completion of Stage III design documents and Stage IV construction support services for

approximately 5,500 lf of fence upgrades which included installation of midrail to tighten the fence fabric, gate repairs, and installation of approximately 200 lf of new non-metallic fencing at stormwater pump stations along Runway 13. Project was fast-track priority project and included the verification of existing conditions, coordination with future perimeter intrusion detector installations, and the development of Work Order packages (plans, specifications and estimates) for the construction and implementation of the improvements.

PANYNJ, Security Division, JFK International Airport, Stage III and IV Services, AOA Perimeter Fence Upgrades PACC 47, Jamaica, New York. Project manager. Mr. Dietrich was responsible for the development of construction plans and details for upgrades to existing chain link and non-metallic fencing in Airside Operation Areas. Project was fast-track priority project and included the verification of existing conditions, coordination with future perimeter intrusion detector installations, and the development of PACC Work Order packages (plans, specifications and estimates) for the construction and implementation of the improvements.

PANYNJ, Security Division, JFK International Airport, Stage III & IV Services, Guard Post Delta Barrier Upgrades, Jamaica, New York. Project manager. Mr. Dietrich was responsible for the completion of Stage III design documents and Stage IV construction support services to upgrade Delta barrier control panels, gate arms and improve traffic control striping and signage at 8 manned guard post locations. Project included the verification of existing conditions to be current with previous studies and the development of Work Order packages (plans, specifications and estimates) for the construction and implementation of the improvements.

PANYNJ, Security Division, LaGuardia Airport, Stage III & IV Services, Guard Post Delta Barrier Upgrades, Flushing, New York. Project manager. Mr. Dietrich was responsible for the completion of Stage III design documents and Stage IV construction support services to upgrade Delta barrier control panels, gate arms and improve traffic control striping and signage at two manned guard post locations. Project included the verification of existing conditions to be current with previous studies and the development of work order packages (plans, specifications and estimates) for the construction and implementation of the improvements.

PANYNJ, Security Division, Port Authority Bus Terminal, Pre-Stage I Interior Column Blast Vulnerability Analysis, New York, New York. Project manager. Mr. Dietrich was responsible for the completion of pre-stage I design evaluation assessing the vulnerability of the interior columns at the Port Authority Bus Terminal. Project included the review of as-built drawings and the development of computer models to assess the building's structural components.

PANYNJ, Security Division, Port Commerce Department (PCD) Access Control Project; Newark, Elizabeth, New Jersey and Brooklyn, New York. Assistant project manager. Mr. Dietrich worked for the project to support civil and structural support aspects relative to access control points at the Port Commerce Department's (PCD) New York and New Jersey Marine Terminal facilities. An estimated 60 access points were involved at Vehicle Gates at Public Berths, Pedestrian Gates at Public Berths and Personnel Doors at the Administration Buildings.

Jose Hernandez PE, SE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger
Years' Experience: 30

Education:
MS, Civil Engineering

Registration/Certifications:
Professional Engineer (NJ, FL, PA)
Structural Engineer (NV)

Professional Summary

Mr. Hernandez has more than 30 years of experience as a project manager and engineer for the structural engineering design and inspection of complex, multi-task projects. His knowledge encompasses roadway/highway bridges, railroad bridges, and earth retaining structures with extensive experience in the field of seismic design and analysis.

Selected Experience

PANYNJ, Newark Liberty International Airport. Project engineer/team leader. Responsible for performing the Facility Condition Survey for the Federal Express Complex-Buildings 155, 341 and 342 located in the Newark Liberty International Airport. The survey work includes field inspection of the buildings in order to determine its overall condition and to identify the structural and safety deficiencies.

PANYNJ, Port Newark, New York Marine Terminal, New York. Project engineer/team leader. The scope of work consists of performing a inspections analysis Cyclical Condition Survey of Piers 88, 92 and 94 located along the west side of the West Side Highway in Manhattan. The survey work includes field inspection of piers and building structures on the piers. Fenderings, PST Viaduct and its foundations as well as bulkhead along the West Side Highway are excluded.

PANYNJ, Port Newark, New Jersey Marine Terminal, New Jersey. Project engineer/team leader. The scope of work consists of performing a cyclical condition survey, of Port Newark/Elizabeth Marine Terminal Buildings 1140 and 1150 located in the Elizabeth Marine Terminal on the west side of Polaris Street, between Southern Cross Street and Bay Avenue. The survey work included field inspection and analysis of the buildings in order to determine its overall condition and to identify the structural and safety deficiencies.

PANYNJ, Red Hook Wharf, New York Marine Terminal, New York. Project manager. Mr. Hernandez was responsible for inspection analysis and condition survey of Timber and steel pipe piles, concrete cap beams, Precast concrete girders, steel sheetpile bulkhead, underdeck, rip-rap, tie-rods/deadman, fender system and 3 light towers. The purpose of these surveys is to determine the structural and geotechnical condition of wharves and piers to provide repair recommendations to restore structural adequacy.

PANYNJ, Howland Hook Wharf, New York Marine Terminal, New York. Project manager. Mr. Hernandez was responsible for inspection analysis and performing a cyclical conditional survey of timber and steel pipe piles, concrete cap beams, precast concrete girders, steel sheetpile bulkhead, and underdeck. The purpose of the survey is to determine the structural and geotechnical condition of wharves, to provide repair recommendations to restore structural adequacy. The project site is located on the northwest end of Staten Island, just north of the Goethals Bridge.

Two Bridges Road Bridge over the Pompton River and West Belt Extension, Passaic County, New Jersey. Structural project engineer. Mr. Hernandez was responsible for the design and development of plans for the replacement of the existing Two Bridges Road over the Pompton River. The existing bridge will be replaced with a new two equal span continuous structure measuring 250 feet long. The new bridge will be located on a new alignment upstream of the existing bridge and the existing bridge will be restricted to pedestrian traffic only. The superstructure consists of a 9' thick concrete deck supported by six steel plate girders. The substructure consists of reinforced concrete high abutments and a hammer head center pier resting on spread footings.

Pennsylvania Department of Transportation, District 5-0, E12613, SR 0061 Section 11S Design Build, Schuylkill County, Pennsylvania. Structural project engineer. Mr. Hernandez was responsible for the design and development of plans for five structures (three single span bridges, one retaining wall, and one culvert) associated with safety and capacity improvements along a 4.6 mile segment of SR 0061. Design services include the replacement of the SR 0061 structure across Pine Creek, a new structure for the SR 2024 jug handle over Pine Creek, and replacement of the Municipal Road bridge over Pine Creek.

Penn DOT, District 5, S.R. 412 over Saucon Creek, Northampton County, Bethlehem Pennsylvania. Structural project engineer. Mr. Hernandez was responsible for the replacement of the existing bridge over the Saucon Creek in Bethlehem, PA, Northampton County. The existing 120 feet long, three-span concrete T-beam Bridge is being replaced with a 181 feet long four span continuous structure consisting of an 8" deck slab supported by 13 prestressed spread box beams.

Penn DOT, District 4, S.R. 106 over East Branch of Tunkhannock Creek, Susquehanna County, Clifford, Pennsylvania. Structural project engineer. Mr. Hernandez was responsible for the replacement of the existing bridge over the East Branch of Tunkhannock Creek in Clifford, PA, Susquehanna County. The existing 105 feet long, three-span concrete T-beam Bridge is being replaced with a 129 feet long two span continuous structure consisting of an 8" deck slab supported by four prestressed spread box beams.

Penn DOT, S.R. 1008 over Skippack Creek, Lower Salford, Pennsylvania. Structural project engineer. Mr. Hernandez was responsible for the replacement of the existing bridge over the Skippack Creek in Montgomery County. The existing 3 span concrete T-beam bridge was replaced with a single span multiple adjacent prestressed concrete box girder superstructure. The total length of the bridge is 83 feet.

SJTA, Leipzig Avenue Bridge over ACE, Bridge Rehabilitation, Atlantic City, New Jersey. Project manager. Mr. Hernandez was responsible for the coordination, inspection and rehabilitation design/specifications for the Leipzig Avenue Bridge over the Atlantic City Expressway. The bridge rehabilitation design for this structure, which measures a total of 203 and consist of four simple spans, included the removal and replacement of the existing concrete deck slab.

SJTA, Atlantic City Expressway over Beach Thorofare, Bridge Repairs, Atlantic City, New Jersey. Project manager. Mr. Hernandez was responsible for the coordination, inspection and rehabilitation design/specifications for the ACE over Beach Thorofare Bridge. The bridge rehabilitation for this structure, which measures a total of 825 feet and consist of nine simple spans, included substructure concrete repairs, painting the steel center span over the waterway and repairing the existing timber fendering system.

Julius Arief PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger
Years' Experience: 36

Education:
MA, History
BS, Civil Engineering
BA, History

Registration/Certifications:
Professional Engineer (NJ)

Professional Summary

Mr. Arief has more than 36 years of experience in the design and construction of transportation improvement projects. His design projects include experience in highways, railways, utilities, and facilities. His responsibilities have included preparing concept development reports, preliminary engineering reports, utility agreement plans, ROW acquisition documents, plans, specifications estimates, and bid documents. Mr. Arief also has experience as resident engineer of construction projects. Responsibilities include studies, preliminary and final design and plan preparation of various projects including horizontal and vertical geometry, drainage design, utility relocation, maintenance of traffic studies, striping and signing, traffic engineering, final quantities and estimates, final plan submission reviews, specifications, shop drawings and supervision of drafting personnel. His involvement has spanned all project phases from conceptual design to final design and construction.

Selected Experience

Port Authority of New York and New Jersey, Expert Professional Civil Engineering Services as Requested on a "Call-In" Basis during 2008 for New Employee Parking Lot at Stewart International Airport, Newburgh, New York. Design engineer. Mr. Arief worked on the design of a $1 million new parking lot including design of the grading and drainage, pavement design, roadway lighting, signing and striping design.

Port Authority of New York and New Jersey, Expert Professional Civil Engineering Services as Requested on a "Call-In" Basis during 2009 for Expansion of Parking Lot "D" at Stewart International Airport, Newburgh, New York. Design engineer. Mr. Arief worked on the design of the rehabilitation of a section of land side airport roadway utilized by Federal Express to access a hanger. The project also entailed all aspects of roadway design, preparation of Maintenance and Protection of Traffic Plans, and Pavement Marking Plans.

Port Authority of New York and New Jersey, Expert Professional Civil Engineering Services as Requested on a "Call-In" Basis during 2009 for JFK – High Pressure Fire Protection System Critical Valve Replacement, Queens, New York. Design engineer. Mr. Arief worked on the replacement of eight High Pressure Fire Protection System Critical Valves. Responsible for Stage III (Final Design) drawings, specifications and estimates.

Port Authority of New York and New Jersey, Expert Professional Civil Engineering Services as Requested on a "Call-In" Basis during 2009 for Stewart International Airport - Rehabilitation of Cargo Road and Parking Area for Building 2290, Newburg, New York. Design engineer. Mr. Arief worked on the $1 million expansion of an existing parking lot including design of the grading and drainage, pavement design, signing and striping design, etc. Responsible for preparation of Stage III (Final Design) drawings, specifications and estimates.

Port Authority of New York and New Jersey, Expert Professional Civil Engineering Services as Requested on a "Call-In" Basis during 2009 for Stewart International Airport – Rehabilitation of R/W 9 Approach Lighting and Cables, Newburg, New York. Design engineer. Mr. Arief worked on the replacement of runway approach lighting and cables.

Port Authority of New York and New Jersey, Expert Professional Civil Engineering Services as Requested on a "Call-In" Basis during 2009 for Stewart International Airport – Rehabilitation of Taxiway Edge Lighting and Installation of Flashing Runway Guard Lights, Newburg, New York. Design engineer. Mr. Arief worked on the preparation of Stage III (Final Design) drawings, specifications and estimates.

Port Authority of New York and New Jersey, – Reconstruction of North Service Road of Newark International Airport, Mr. Arief worked on the preparation of Stage III (Final Design) drawings, specifications and estimates and provided engineering support during construction.

NYC Public Development Corporation, - Reconstruction of East New York Industrial Park, Brooklyn, NY. Mr. Arief was Project Manager design and construction management for the reconstruction of two miles of streets in the industrial park, the replacement of existing water mains, and improvements to sewers. Responsibilities also involved utility company coordination, implementation of traffic control and approval of contractor payments, change orders, materials and schedules.

NYC Public Development Corporation, - Gun Hill Road Street Improvements, The Bronx, NY. Mr. Arief was Project Manager design and construction management for improvements to one mile of sidewalk for a commercial area. Responsibilities also involved utility company coordination, implementation of traffic control and approval of contractor payments, change orders, materials and schedules.

New Jersey Turnpike Authority, GSP Interchange 9, 10, 11 Improvements, Cape May County, New Jersey. Project engineer. Mr. Arief was responsible for $122 million in civil engineering tasks related to the final design roadway improvements to the GSP at exits 9, 10, and 11. The three exits are the only roadway crossings along the 173-mile length of the GSP that are not grade separated. The design effort developed full interchange configurations to eliminate three traffic signals and widen GSP from four to six lanes. The project includes six bridges, relocation of high voltage transmission lines as well as sanitary sewer, water, and telecommunication lines. Traffic control and staging plans included temporary walls and a diversionary road. Provided construction engineering services answering Contractor requests for information and reviewing shop drawings.

Passaic County, Crooks Avenue and Wabash Avenue Drainage Project, Cities of Paterson and Clifton. Mr. Arief was responsible for the final design and construction support of 1 mile of large diameter storm sewers 72" RCCP and 9'x5' Box Culverts in urban environment. The project included jacking of pipe under the Norfork Southern Railroad and the Garden State Parkway and resurfacing of Wabash Avenue.

Muzamil Husain PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger
Years' Experience: 16

Education:
MS, Civil Engineering - Structural
BS, Civil Engineering

Registration/Certifications:
Professional Engineer (NY)

Professional Summary

Mr. Husain has more than 16 years of experience as a project manager and structural engineer for the planning, design, inspection and management of complex, multi-task projects. He has diverse experience including design of transportation and facility structures, bridges, retaining walls, sign structures, precast, prestressed and post tensioned concrete, timber and steel structures. He has thorough knowledge of design requirements, specifications and procedures manuals of state and local agencies, and experience with federal as well as private development facilities.

Selected Experience

NJTA, GSP MP 35 to MP 38 Widening and Interchange Improvements. Structural task leader. Mr. Husain was in charge of the design for three Mainline bridges over Washinton Avenue and Delilah Road. Responsible for the complete contract documents including staging plans, utility coordination These bridges are designed as jointless structure using integral abutment concept.

NJTA, GSP Interchange 9, 10 and 11 Improvements. Structural project engineer. Mr. Husain worked for the design of three dual GSP bridges over Shell Bay Avenue, Stone Harbor Boulevard and Crest Haven Road. He was responsible for the structural design and coordination with the locals for the ramps and access road impacts and utilities. These bridges are designed as jointless structure using integral abutment concept.

New Jersey Turnpike Authority, Interchange 6-9 Widening Program Section 4 Interchange 7A, Mercer County, New Jersey. Project engineer. Mr. Husain was responsible for the $200 million design of four ramp bridge structures with complex geometry connecting Toll Plaza and Inner and Outer Turnpike Roadways. Responsible for the design, development of plans and specifications, along with interdepartmental coordination. Helped in the preparation of overall staging schemes and plan development for the whole project including I-195 Bridge over the Turnpike. Lead the construction support services for the designed bridges.

New Jersey Turnpike Authority, Interchange 6-9 Widening Program Section 2 Interchange 7, Mercer County, New Jersey. Project engineer. Mr. Husain was in charge for the design of two U-turn bridges including structural design, plans, specifications and construction estimation development, along with coordination with Prime and sub consultants. Lead the construction support services for the entire project.

NJDOT, Three-Year Term Agreement for Orphan Bridges, City, New Jersey. Project manager. Mr. Husain was in charge for developing rehabilitation plans for 27 Orphan bridges. He was responsible for onsite inspection and preparation of rehabilitation reports for the bridges. Responsible for complete design for the replacement of superstructure and rehabilitation of the substructure of Historic Bridges Hillsboro Road and Homestead Road over Trenton Line.

DRJTBC, Rehabilitation of the Trenton Morrisville Toll Bridge Facility, Trenton, New Jersey and Morrisville, Pennsylvania. Structural project engineer. Mr. Husain was responsible for this $84 million project involving rehabilitation and widening of 1300 foot long bridge for Route 1 over Delaware River and 10 bridges and ramps at both New Jersey and Pennsylvania approaches. Responsibilities included preparation of rehabilitation report with innovative widening techniques, design and details of bridges along with providing construction support services and checking structural shop drawings. Extensive agency coordination work was involved with NJDOT, NJDEP, Penn DOT, PADEP, City of Trenton, City of Morrisville, County of Mercer, County of Bucks, Conrail, NJ Transit, PUC and various utility companies.

NJDOT, U.S. Route 9 Edison Bridge Over Raritan River Project (Section 25K and 1F), Middlesex County, New Jersey. Structural project engineer. Mr. Husain worked on the construction engineering services and design of a new $45 million, 29-span, 4,390-foot-long bridge for the design-build contract for the new southbound roadway between the existing bridge and the Driscoll Bridge. Prepared the design-build procurement documents (30 percent design) and coordinated design review and extensive project coordination with field staff during construction. This D-B project for the State finished ahead of schedule. Responsibilities for this project were the design of bridge abutments and layout of piles. Utilized spreadsheets, STAAD/Pro model and Florida pier program. Also responsible for design, layout and reinforcement detailing of median retaining wall, two outlet structures and three sign support structures.

NJDOT, Sussex County Bridge K-07 Replacement, Hopatcong, Stanhope and Byram, Hopatcong, Stanhope and Byram, New Jersey. Structural project engineer. This $6.7 million project involved construction of a new 60 foot span arch bridge for Route 605 over Lackawanna Cutoff and rehabilitation of existing parallel bridge as a historical filled spandrel, reinforced concrete arch bridge structure to be maintained as a pedestrian and bicycle access to a hiking route adjacent to the railroad track. Responsibilities included inspection and preparation of rehabilitation details for the existing bridge and design the substructure and retaining walls for the proposed bridge. Supervised the geotechnical exploration and prepared the quantity and cost estimates for the project. Also responsible for preparing and coordinating the intricate architectural details for the precast arch, spandrels and parapet. Also responsible for providing the construction engineering services with the Department's Resident Engineer.

NJDOT, Rockaway Road Bridge Replacement, Townships of Rockaway and Randolph, New Jersey. Structural Project engineer. Mr. Husain was responsible for the replacement of the existing bridge over the NJ Transit Morristown Line and The Rockaway River. The seven-span concrete encased steel-beam floor system bridge which was structurally deficient and functionally obsolete, was replaced with a five-span multiple adjacent prestressed concrete box girder superstructure. The total length of the bridge is 317 feet. Responsible for the design of prestressed box beam superstructure, abutments and piers. Also responsible for preparing quantity and cost estimates for the project.

Michael Dunn PE

CIVIL/ STRUCTURAL ENGINEER

Firm: Louis Berger
Years' Experience: 16

Education:
MS, Civil Engineering

Registration/Certifications:
Professional Engineer (NJ, NY)

Professional Summary

Mr. Dunn is manager of civil engineering with more than 16 years of technical experience on a wide variety of civil and environmental engineering projects. Work experience includes stormwater management and water quality design and analysis, planning and design of local roads and state highways, hydrologic and hydraulic (H&H) design, Soil Erosion and Sediment Control, and plan review of related projects. He has completed construction documentation including plans, technical specifications, and quantity and cost estimates for various highway and roadway, and stormwater management projects.

Selected Experience

PANYNJ, JFK Airport, Cargo Service Road and North Service Road, Queens, New York. Project manager. Mr. Dunn was responsible for Phase III and IV services for the design and modifications to the Cargo Service Road and North Service Road from the southern limits of the Rental Car Site Roadway Improvements - Phase II Access Road project to and including the North Service Road ramp extending to the limits of the previous JFK Expressway contract. The project included intersection improvements, roadway resurfacing, drainage improvements, construction of a crosswalk at Rental Car Drive, and a Rental Car Pullout.

PANYNJ, Perimeter Intrusion Detection Systems, Design-Build Project, Queens, New York. Civil/structural engineer. Mr. Dunn was responsible for being the engineer of record for the engineering services for civil/utilities and environmental/permitting aspects as well mechanical and electrical engineering support services within the command and control rooms for this confidential security PIDS Design-Build project for all major New York airports.

PANYNJ, Teterboro Airport, West Side Ramp Improvements, Borough of Teterboro, Bergen County, New Jersey. This project entailed the construction of a new paved ramp area, new electrical conduits and taxiway lighting, a subsurface detention basin, installation of two mechanical treatment devices and associated drainage improvements. Responsible for developing plans, calculations, specifications and reports to secure soil erosion, stream encroachment and Port Authority permits and approvals. Due to the high groundwater table on this site, which is located within the FEMA 100-year floodplain, a subsurface detention basin was designed with watertight joints to prevent groundwater intrusion into the basin while also being designed to withstand the loading of aircraft parked on the ramp above the basin. All drainage structures were designed to withstand aircraft loading in accordance with FAA and Port Authority standards. The project was designed to be constructed in a manner which

allowed adjacent taxiways which border the site to remain active during construction operations.

Red Bull New York, Inc., Engineering and Design Services, Red Bull Training Facility, Harrison, New Jersey. Mr. Dunn was responsible for providing engineering and drainage design services to Red Bull NY for their new training facility encompassing site-civil and drainage design of practice fields and parking facilities, civil/structural design of support facilities and ancillary structures, including tension fabric structures, electrical engineering and design of sports and security lighting. Louis Berger has also been providing traffic engineering services and environmental and construction management support for this project. This is a fast track project for which Louis Berger has been meeting all schedule requirements for project deliverables.

New Jersey Department of Transportation, Main Street (C.R. 543) Over Route 206, From Vicinity of Railroad Avenue to New York Avenue (C.R. 690), Township of Mansfield, New Jersey. Hydrologic and hydraulic task leader. Mr. Dunn was responsible for the roadway drainage design for the design The project is located in the Township of Mansfield, Burlington County. Main Street (C.R. 543) is an urban collector road. The existing Main Street (C.R. 543) Bridge over Route 206 is a two span simply supported, multiple steel beam structure constructed in 1958. It carried one12-foot traffic lane, one 12-foot shoulder and one 6 foot sidewalk in each direction with a roadway width of 48 feet curb-to-curb. Site inspection also indicated that the west abutment backwall exhibited extensive structural damage due to local roadway ponding. Roadway ponding was found to be located at the southwest and northwest corners of the structure. Damage to the backwall appears to be the result of this drainage issue. Responsible for the analyses of the existing and proposed roadway drainage systems, designed in accordance with the NJDOT Drainage Design Manual criteria and the Procedures Manual requirements for placement of inlets, minimum pipe sizes, cover, etc. Coordinated with the highway engineers to modify the roadway profile to shift the profile lowpoint away from the bridge joint. Highway drainage design included water spread calculations performed in accordance with NJDOT design criteria. Also responsible for the design and preparation of the soil erosion and sediment control plans and received approval from the NJDOT.

City of Newark, Newark Liberty International Airport, Peddie Ditch Culvert Inspection and Rehabilitation, City of Newark, Essex County, New Jersey. Mr. Dunn inspected and developed rehabilitation alternatives for this series of seven parallel 120-inch diameter culverts which carry the flow of Peddie Ditch under Runway 11. Supervised the entry of inspection personnel into this OSHA permit-required confined space. The purpose of this study was to determine the expected remaining service life of the culvert system, summarize what channel improvements were necessary to improve channel function and stability and determine the suitability of the site for the installation of an Engineered Materials Arresting System (EMAS) at the end of Runway 11, directly above this system of culverts. The installation of the EMAS over this system of culverts will allow this runway to satisfy Federal Aviation Administration Part 139 safety rules by preventing aircraft overruns.

Luis Correia PE

ELECTRICAL ENGINEER

Firm: Louis Berger
Years' Experience: 20

Education:
BS, Electrical Engineering

Registration/Certifications:
Professional Engineer (NY, NJ, NV, DC)

Professional Summary

Mr. Correia is a manager of electrical engineering with 20 years of technical experience on a wide variety of electrical engineering projects. Mr. Correia leads the development of conceptual and final design and detailed specifications for normal and emergency power, lighting, fire safety, communications, CCTV, and various security (exit lane screening) systems.

Selected Experience

Port Authority of New York and New Jersey (PANYNJ), Marine Terminals, New York and New Jersey. Principal electrical engineer. Mr. Correia was responsible for the development of contract documents for the replacement of the existing access control card readers with TWIC compatible card readers and integration with existing head end equipment. The installation of the thirty five access control points at New York marine terminals and the one hundred and five control access points at New Jersey marine terminals will require expansion and modification of existing fiber infrastructure.

PANYNJ, Staten Island Bridges, Staten Island, New York. Design engineer. Mr. Correia was responsible for the development of construction contract documents to rehabilitate roadway lighting, power, CCTV, aviation obstruction, and navigable channel lighting for three bridges. The project entailed field survey of all existing systems, verification of code compliance and ramifications of same, coordination with civil and structural engineering teams.

PANYNJ, Newark Liberty International Airport (EWR), Design-Build Project, Newark, New Jersey. Principal electrical engineer. Mr. Correia was responsible for the development of contract documents for the installation of digital CCTV at terminal B checkpoints and consolidation of viewing and storage locations for the whole airport. Project requires expansion and modification of existing fiber infrastructure to allow for the consolidation.

PANYNJ, John F. Kennedy International Airport (JFK), Design-Build Project, Location. Principal electrical engineer. Mr. Correia was responsible for the development of contract documents for the consolidation of viewing and storage locations for the whole airport. Project requires expansion and modification of existing fiber infrastructure to allow for the consolidation.

PANYNJ, LaGuardia Airport (LGA), Design-Build Project, Location. Principal electrical engineer. Mr. Correia was responsible for the development of contract documents for the upgrade of the existing storage solution and integration of two distinct digital CCTV systems. Project requires upgrading of the existing storage solution in-place while not disrupting operation of existing CCTV and all other system in existing data center.

PANYNJ, Biometrics for EWR, JFK, and LGA, Design-Build Project, New York and New Jersey. Principal electrical engineer. Mr. Correia was responsible for the development of contract documents for the upgrade of the existing access control. Project requires evaluation of existing

conditions and multiple recommendations based on construction schedule, capital investment, and operating cost.

U.S. Army Corps of Engineers (USACE), New York District, Picatinny Arsenal, Armament Integration (AIF) Facility, Picatinny, New Jersey Principal electrical engineer. Mr. Correia was responsible for the electrical engineering design for the single-story laboratory building and 100-meter indoor firing range for large caliber automatic weapons testing. Laboratory building design documents included natural gas forced-air heating and cooling systems in addition to dedicated split system air conditioning systems for special rooms. A pre-action dry sprinkler fire protection system and smoke detection was designed. Utility plumbing systems included services for toilet rooms and compressed air for the shop and simulation areas. Design included a corridor from Building 7 to the new range with controlled pressurization heating and ventilation. Range building design included a gas fired makeup air unit that provides laminar flow at operators breathing zone. Smoke and lead exhausted from the range is removed through adjustable grills embedded in the walls and filtered through a 99 percent removable cartridge filter and a final HEPA filter. Silica dust from the bullet sand trap exhausted from the range is removed through adjustable grills embedded in the walls and filtered through a 99 percent removable cartridge filter and a final HEPA filter.

USACE, New York District, Picatinny Arsenal, Area 600 Water Main Extension, Picatinny, New Jersey. Manager-Electrical engineering. Mr. Correia was responsible for overview of the electrical design analysis, design documents, technical specifications, and cost estimate. Conducted field inspections and coordinated with various in-house and outside consultants. Project entailed design and preparation of construction documents for new underground potable water, and fire service lines in the 600 Area of Picatinny Arsenal. The design provided water mains beneath the roadway with T-connections in the shoulder to serve existing ranges and facilities and also to serve future facilities, new service pump stations, a new empty four-inch PVC ductbank (for communications), a new diesel-fired pump(s), and standard size fire hydrants. The design also provided interconnection of new piping with existing fills and discharge systems, demolition and replacement of all pump systems and pump houses, installation of telemetry at Pump House 623, and evaluation of additional pumps to bring the entire system within current codes.

USACE, New York District, Picatinny Arsenal, Building 7 and Firing Range Upgrades, Picatinny, New Jersey. Manager-Electrical engineering. Mr. Correia was responsible for the electrical design associated with the renovation of the existing ranges. The project comprises the design of an exhaust system in the 100 meter and 300 meter ranges and critical architectural and structural upgrades warranted by operations, safety improvements, and noise attenuation. Electrical work for the project consisted of the removal and relocation of electrical devices and/or systems components which had been abandoned, were not optimally located for operations as directed by the building user, or as required by the renovation. Detailed field investigations were required to create demolition and relocation drawings from which a not to exceed lump sum demolition budget was derived. The electrical scope also included providing the electrical transformation and distribution, interior and exterior lighting, fire alarm, specifications, and cost estimate. Identification of a point of connection for the contract loads was challenging since the building was served by multiple sources, each individually inadequate to accommodate the contract loads and those of other on-going projects.

Sudhir Chheda, PE

ELECTRICAL ENGINEER

Firm: Naik Consulting Group, P.C.
Years' Experience: 35

Education:
BS, Electrical Engineering

Registration/Certifications:
Professional Engineer (NJ, DE)

Professional Summary

Mr. Chheda has more than 35 years of electrical experience in transportation design, estimation, specifications, construction documentation for infrastructure projects, industrial plants, commercial buildings and retail spaces. His specific experience in the transportation industry has included lighting for roadways, interchanges, bridges and tunnels and electrical system design for traffic signals, sign lighting, and variable message signs (VMS) and ITS systems. Overall electrical expertise has included designing of switchgear, electrical service design; electrical feeder & branch circuit design, indoor/outdoor and emergency lighting, emergency power systems, fire protection systems, security systems including CCTV, infra-red, microwave; lightning protection systems, motor control centers, under floor duct systems, UPS system, and ATS for industrial plants and commercial buildings. He has performed field investigations to check field conditions, prepared reports, photometric calculations, wiring diagrams, voltage drop calculations, quantity calculation, cost estimates, electrical service inquiry letters for various utility companies and construction plans. Mr. Chheda is very proficient in Microstation and Visual Lighting software and knowledgeable in, NJDOT Lighting Design guidelines and Procedure Manual, NJTA Design Guide, IES Lighting handbook, Roadway Guide by AASHTO, Tunnel Lighting Guide RP-22 and National Electric Code (NEC).

Experience

PANYNJ Newark and JFK International Airports. Newark, New Jersey and Jamaica, Queens, New York. Electrical engineer for remodeling of Newark and JFK airports. Surveyed and designed many projects for PANYNJ. Designed and rearranged cable system at Newark airport. Identified and capped utilities for demolition of a warehouse. Surveyed international building at JFK airport for demolition work. 1994-1995.

MTA Design and Construction Support Services for Reconstruction and Rehabilitation of Manhattan Approach Ramps to RFK Bridge, New York. Electrical engineer for the evaluation of the existing ramp/lighting and the preparation of designs for the new lighting system as part of the rehabilitation of the RFK Bridge approach ramps. 2014

MTA Bronx-Whitestone Bridge. Bronx & Queens, New York. Electrical engineer responsible for an electrical system for garage doors and controls. Rearranged various conduits and cables. Prepared construction drawings. 2014

NJDOT Route 38, in Burlington County, New jersey. Project involves designing and upgrading lighting and traffic signals for 20 intersections from route 295 to route 206. Responsible for preparing photometric calculations, designing interchange lighting, and the electrical design for traffic signal for 10 intersections. New electrical system conforms to NJDOT Design Manual, AASHTO Guidelines and NEC 2013

NJDOT Route 130, Over Crafts Creek, Township of Florence and Mansfield, Burlington New Jersey. Electrical engineer for lighting and traffic signal design for intersection improvement, bridge replacement and modifications to the approaches. Responsible for preparing photometric calculations, designing interchange lighting, and the electrical design for traffic signal. Additionally responsible for conduit fill calculations and preparation of lighting report and voltage drop calculations. New electrical system conforms to NJDOT Design Manual, AASHTO Guidelines and NEC. 2012

NJDOT Route 27. Metuchen, New Jersey. Electrical engineer for lighting design for bridge replacement and roadway improvements project. Responsible for designing roadway and under arch lighting system using conventional and underdeck luminaries. He also prepared photometric calculations; voltage drop calculations and conduit fill calculations and designed the electrical system and wiring diagram. New electrical system conforms to NJDOT Design Manual, AASHTO Guidelines & NEC. 2011

NJTA VMS on the Garden State Parkway. Various Locations, New Jersey. Electrical engineer for variable message signing (VMS) improvements for the Garden State Parkway. Responsible for designing electrical systems for VMS signs, wireless access point, CCTV camera & radio antenna. Sizing conduit and doing conduit fill calculations. Prepared mounting details for ITS items. Design conforms to NEC and NJTA standards. 2010

NJTA Interchange 6 – 9 Widening, Section 7, MP 68.3 – MP 70.6. Burlington to Middlesex Counties, New Jersey. Electrical engineer for tunnel lighting on Hightstown Cranberry Road as part of the widening of the Turnpike between Interchange 6 in Mansfield Township, Burlington County and Interchange 9 in East Brunswick Township, Middlesex County. The roadway will be widened to 12 lanes with major modifications constructed at four interchanges. Responsible for designing Tunnel lighting as per RP-22 design guide. Designed electrical distribution system, conduit and cable layout. Prepared lighting plans, wiring diagrams, lighting report, voltage drop calculations and conduit fill calculations. 2011

Mario Perez Associate AIA, LEED AP BD+C

ARCHITECT

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years' Experience: 14	Bachelors of Architecture	LEED Accredited Professional

Professional Summary

With more than 14 years of extensive experience in architectural design, programming, planning, construction documents and project management, Mr. Perez has effectively managed teams engaged in providing full concept through delivery of architectural design and construction administration services. His commitment to design excellence and professional experience is best associated with my current and completed projects throughout North America, Eastern and Western Europe, the Middle East, Africa and Asia for PANYNJ, USACE, U.S. Department of State Overseas Building Operations (DOS-OBO), U.S. Agency for International Development (USAID) and other private and government agencies. As a project manager, Mr. Perez delivers effective solutions and exceeds client's expectations. He has advanced knowledge of architectural practices, principles, procedures, concepts, building codes, state and local regulations, and construction practices, and is adept at taking projects from conception to completion. Mr. Perez is additionally experienced in coordinating and leveraging all personnel, staff, consultants, subcontractors, senior management, clients, and has extensive experience in project management, contracts, client presentations, public hearings, budgets, and schedules. He takes charge professional: effectively managing staff, overseeing operations and is consistent in developing high performing teams through outstanding leadership, ultimately resulting in teams performing at a level exceeding their expectations.

Selected Experience

PANYNJ, Newark (EWR) Terminal B – Stage I. Project architect. Mr. Perez was responsible for providing design services to address findings contained in the Port Authority's physical protection of terminal building glass security risk assessment and contributed in developing workable mitigation strategies to reduce overall risks associated with the existing building glass facades for airport passenger terminals.

Monroe County Justice Center, Monroe County, Wisconsin. Project architect. Mr. Perez was responsible for providing planning and architecture services for the design and construction for a new, $25 million Justice Center in downtown Sparta, Wisconsin. This new facility includes a 180-bed jail, a law enforcement center and expanded county courts facilities.

USAID, Sudan Infrastructure Services Project, Juba, South Sudan. Project manager and team leader. Mr. Perez was responsible for the design, space programming and construction administration services for a new, $22 million two-story addition to an existing office building, medical clinic, pedestrian access control entry point, dining facility, site and building security upgrades and renovation of an existing office building. Scope of work involved site visits to perform design charrettes, conduct site assessments and develop design concepts with project stakeholders.

USACE Middle East District, U.S. Central Command Charrettes. Project architect. Mr. Perez was responsible for $51 million development and production of DD 1391 reports on counter narcotics facilities in Uzbekistan. Project involved traveling to Uzbekistan, and other central Asian countries, to conduct site surveys and facility condition assessments to evaluate

customs/border complex operations, refine project scope, establish project budgets and prepare designs and conduct charrettes with project stakeholders while in-country. Facility assessments and design recommendations were performed for vehicular, and pedestrian check points, intensive customs inspection facilities, administrative screening facilities and improvements to site security.

USACE Baltimore District, Pentagon Secure Access Lane and Remote Screening Facility, Arlington, Virginia. Project quality assurance manager. Mr. Perez performed quality control reviews of construction documents for a new, $4.9 million state of the art vehicle screening facility located on a 2.75 acre site at the southwest corner of The Pentagon, headquarters of the U.S. Department of Defense.

USACE Middle East District, USFOR-A/Afghanistan Standard Designs for Ministry of Education, Kabul, Afghanistan. Project manager. Mr. Perez was responsible for effectively managing and supervising all related activities associated with project technical reviews and code compliant recommendations for austere, site-adapt level designs for (1) 16 Classroom, (1) 20 Classroom, (1) 24 Classroom, (1) 30 Classroom and (1) 40 Classroom school buildings for USFOR-A/Afghanistan Ministry of Education standard designs.

USACE Middle East District, Director General for Intelligence & Security (DGIS), Phase II, Baghdad, Iraq. Project manager. Mr. Perez was responsible for fully managing and leading a multi-disciplinary design team with an emphasis on design and construction administration services for a new military training compound for the $50 million Iraqi Director General for Intelligence and Security Headquarters Campus. Project involved traveling to the site to conduct site surveys and facility condition assessments, prepare designs and conduct space planning charrettes with project stakeholders while in-country. Scope of work includes housing barracks, office buildings, medical clinic, dining facility and compound access control entry points totaling approximately one million square feet in facility and site development.

Steve Weekes

COST ENGINEER

Firm: Louis Berger
Years' Experience: 26

Education:
BS, Facilities Management

Registration/Certifications:
Quantity Surveying Exams Part 1 & Part 2
Construction Management Diploma
Quantity Surveying Diploma

Professional Summary

Mr. Weekes possesses more than 26 years of experience in the construction industry specializing in cost management, project controls, estimating, and procurement. He has the ability to manage staff, organize, plan and coordinate tasks both on a construction site and in the office. Other experience includes planning, accounts, procurement / shipping, site management, and inventory/stocks.

Selected Experience

Construction of One World Trade Center, New York, New York. Cost engineer. Mr. Weekes is responsible for monthly reports of the estimate at completion on the One World Trade Center Project. He compiled, tracked, and analyzed data to forecast all cost elements. He reviewed cost loaded schedule for earned value calculations; prepared cost shares for contracts after award; prepared stakeholder allocation statements based on monthly contractors requisitions; and created journal voucher breakdown of allocation statements with charge codes for accounts department. He prepared change order allocations based on base allocations cost shares and track allocations against the extra work allowance in the base allocations; met with program managers to review and sign off on all allocations in and or allocations out; served as liaison with schedulers to provide cash flows and forecast for quarterly capital budgets. He oversaw the cost estimating team review of change orders. Prepared and maintained logs for all owner generated cost instruments (e.g. scope change orders). He performed monthly assessment of cost risks and negative trends as required. Mr. Weekes ensured project current budgets and the estimated total cost at completion were updated accurately and reported in a timely manner and prepared standard and special (ad hoc) cost control reports and analyses as requested.

Various Projects, Brooklyn, New York. Estimator/assistant project manager/purchaser. Mr. Weekes provided project management services for in-house projects. He performed construction management duties at pre-construction meetings with clients and developers. He developed conceptual budgets, and was responsible for value engineering and planning. He prepared take offs for estimates as well as estimates for general contractor bids; sourced suitable sub-contractors for bidding and analyzed and qualified bids received. Prepared major change order estimates for ongoing projects; and managed daily responsibilities of junior estimators and plan clerk. He prepared and sent out requests for quotations for sub-contract work; analyzed and reviewed sub-contractors bids and scopes of work in the preparation of purchase orders; and prepared scopes of work for subcontract buyouts in consultation with project managers. He met with sub-contractors and vendors to review scopes of work for

award of sub-contracts. Mr. Weekes interviewed and procured new sub-contractors and vendors. He utilized "Digitizer" to take off quantities. He reviewed architects drawings for value engineering and practicality as part of the construction management team. He met with prospective clients to market construction management capability of the firm. He also provided dispute resolution with respect to sub-contractors claims for change orders.

Various Projects, Mt. Vernon, New York. Assistant estimator/project manager. Mr. Weekes prepared loaded schedules from drawings for gypsum boards and framing and submittals for materials to be used on projects. He also prepared and sent out requests for quotations for sub-contract work. He provided project management services for small jobs: attended site meetings; prepared submittals and change orders; prepared monthly payment requests; scheduled material orders for projects; and scheduled and requested labor as needed on projects. He updated job schedules. He also utilized "on screen take off" to take off quantities.

Various Projects, Mt. Vernon, New York. Quantity surveyor/senior estimator. Mr. Weekes prepared take offs from drawings and compiled documents for estimating services. He researched material and equipment prices from suppliers and Internet sites. He prepared and sent out bid inquiries. He prepared Bill of Quantities in accordance with the CSI coding system. Updated job schedules. Mr. Weekes utilized take-off hardware and software tools to perform duties, i.e. Quest for Earthworks, on screen take off coupled with the use of the digitizer and stylus.

Various Projects, Lange Park, Chaguanas, Trinidad. Cost analyst. Mr. Weekes performed general quantity surveying duties such as: take off quantities for material purchases and for subcontract bid packages; preparing Bills of Quantities; estimating project costs; preparing and monitoring budgets; preparing subcontract bid packages and analyzing bids to award subcontracts; preparing interim valuations; measuring and pricing change orders; and attending site meetings. He tracked and reported income and expenditure and project profit or loss on projects ranging from $500,000 to $25 Million.

Various Projects, Lange Park, Chaguanas, Trinidad. Procurement officer. Mr. Weekes was responsible for specialist materials sourcing bid preparation and analyses. He prepared and monitored materials flow charts from inception to delivery to site. He managed all material and equipment importation and export including procurement. He prepared all Caricom Invoices to mobilize regional projects, sourced transport barges, and liaised with custom brokers and private ports for export and import purposes.

Various Projects, Lange Park, Chaguanas, Trinidad. Site quantity surveyor. Mr. Weekes performed take off quantities from drawings for material purchases and for subcontract bid packages. He prepared Bills of Quantities; prepared and monitored budgets; prepared subcontract bid packages and analyzed bids to award subcontracts; prepared interim valuations; measured and priced variations; and attended site meetings. Managed all imports and exports including procurement. He was responsible for hiring and interviewing staff. Supervised preparation and processing of payroll for up to 500 employees.

Mike Ramzi

COST ESTIMATOR

Firm: Louis Berger
Years' Experience: 28

Education:
MS, Civil Engineering
BS, Construction Engineering

Registration/Certifications:
10 Hour OSHA

Professional Summary

Mr. Ramzi is a seasoned professional with 28 years of program and construction management experience in construction, pre-construction and the associated business development efforts. His experience spans a wide range of projects including educational facilities, commuter rail systems, energy, residential, commercial, public buildings, schools and colleges, cultural institutions, airports, manufacturing facilities and courthouses. Mr. Ramzi has managed to reduce the labor costs of pre-construction, project controls and estimating in projects while increasing work efficiency and deliverables' quality on several projects. His success is attributed to augmenting full time controls and estimating staff with field staff and then stream lining the information exchange between both while slowly providing training on and off the job. Moreover, Mr. Ramzi has managed and completed a number of private and public projects within scheduled completion time, quality, and budget to the satisfactory of all parties involved.

Selected Experience

World Trade Center Redevelopment Program, New York, New York. Senior estimator. Mr. Ramzi developed engineer estimates for both WTC Transportation Hub and Oculus construction. Perform price comparisons and development of quantity take-offs. Oversees estimate reviews and validations; negotiating and resolution of contractors claims. Coordinates with design entities and vendors on change order works and costs. Supports value engineering activities as well as other cost/budget management activities.

Structure Tone, Inc., Lyndhurst, New Jersey. Senior estimator/project cost engineer. Mr. Ramzi developed cost data for contract changes; monitored and reported project plan, cost, forecast, trends, commitment and contingency. He calculated and evaluated cost variances for corrective actions. He prepared and issued bid packages for various trades; developed and managed cost databases and benchmarking; and provided ongoing evaluations of alternative designs, materials and construction methods, and projected impacts on progress and performance. He prepared project cash flow reports and budgets for management reviews. Mr. Ramzi analyzed and negotiated change orders and claims, and reviewed and reconciled payment applications. He provided CPM schedule control analysis and resource management. Interfaced with clients, owner's representatives, public officials, account executives and contractors, and provided engineering and cost data. He performed performance and determined scope definition mandates for trades in coordination with Engineering for compliance with contract documents and agreements. He also prepared various bid proposals for private and public projects. Performed computerized and manual take-offs and pricing for required materials, manpower, and equipment.

Hill International, Inc., New York, New York. Project cost engineer. Mr. Ramzi developed cost data for contract changes, monitored and reported project plan, cost, forecast, trends, commitment and contingency. Calculated and evaluated cost variances for corrective actions.

He performed routine interface with engineers, procurement, contract administrators, accounting, project managers, and consultants to verify costs, commitments, changes, progress, and performance. He performed performance monitoring and determined scope definition mandates for trades in coordination with engineering for compliance with contract documents and agreements. He collected and tabulated quantity data for summary comparisons and reconciliations or verified quantities provided by others; compiled and coordinated estimate data and processing of approved scope and non-scope changes; and developed cost recording, reporting, and analyzing standards, programs, and reports.

Brockwell & Carrington Cont., Inc., Wayne, New Jersey. Chief estimator / senior project manager. Mr. Ramzi managed and controlled the construction of a number of various public projects; collected and compiled project data resources and pricings for producing the CPM schedule; and processed RFI's, RFA's, purchase orders, and AIA contract agreements. He reviewed and approved shop drawings, scope and non-scope change orders and claims, and certified payrolls. He prepared project cost controls information system to forecast performance and progress; and produced monthly summary cost report to determine the cost status of the project and to pinpoint work classifications where expenses were excessive. Mr. Ramzi procured subcontractors and suppliers, coordinated among subcontractors to avoid conflicts and delays and prepared various bid proposals for private and public projects. Performed computerized and manual take-offs to estimate the value of overall utilized resources.

Jos. L. Muscarelle, Inc., Maywood, New Jersey. Chief estimator / project manager. Mr. Ramzi managed and controlled the construction of a number of public projects. He processed RFI's, RFA's, purchase orders, and AIA contract agreements. He reviewed and approved shop drawings, scope and non-scope change orders and claims, and certified payroll; prepared project cost controls information system to forecast performance and progress, and collected and compiled project resources and pricings data to assist in the provision of the CPM schedule. He procured subcontractors and suppliers, coordinated among subcontractors to avoid conflicts and delays. Mr. Ramzi prepared various bid proposals for private and public projects. Performed computerized and manual take-offs to estimate the value of overall utilized resources.

Serenity Contracting Group, Inc., Riverdale, New Jersey. Project manager/ estimator. Mr. Ramzi managed and controlled the construction of numerous public projects. He processed RFI's, RFA's, purchase orders, and AIA contract agreements. He reviewed and approved shop drawings, scope and non-scope change orders and claims, and certified payrolls; prepared project cost controls information system to forecast performance and progress, and collected and compiled project resources and pricings data to assist in the provision of the CPM schedule; and produced monthly summary cost reports to determine the cost status of the project and to pinpoint work classifications where expenses were excessive. He procured subcontractors and suppliers, coordinated among subcontractors to avoid conflicts and delays. Mr. Ramzi prepared various bid proposals for private and public projects. Performed computerized and manual take-offs to estimate the value of overall utilized resources.

Morgan Starke

COST ESTIMATOR

Firm: Louis Berger
Years' Experience: 20

Education:
BS, Electrical Engineering

Professional Summary

Mr. Starke is a cost estimator with more than 20 years of experience. He has served in manger roles throughout construction management to be an effective cost estimator. He has served on similar role throughout the NYC area.

Selected Experience

MEPS Solutions Consulting LLC, Long Island, New York. Consultant. As a MEPS Solutions consultant, Mr. Starke advised clients on all aspects of MEPS design and installation, from inception to completion of a project. He has extensive knowledge of permits, codes, and ordinances that the city requires as well as a long standing relationship with the various trade unions.

Pav-Lak Construction, New York, New York. Senior project manager. As a MEPS senior project manager on a $60 million ground up project, Mr. Starke's responsibilities included but were not limited to assisting the engineering and architectural firms with overall design aspects, equipment purchasing and procurement, long range scheduling, monthly budget reviews, overall cost analysis, coordination of utility services, subcontractor oversight, and consultation and daily owners group interaction. Notable project included 250 East 49th street design and build 25 story residential towers, Sweden National Bank.

Hudson Meridian Inc, New York, New York. Senior project. Manager. As the senior MEPS project manager for a 35-story design-build condominium tower in Brooklyn New York, Mr. Starke's duties included daily interaction with the design team, writing and awarding all mechanical contracts, overall budget oversight, daily superintendent job oversight, weekly updated for the ownership group, overall production and cost analysis, monthly billing, procurement of equipment and materials for the site, overall review of submitted shop drawings, review and dissemination of submitted equipment submittals, understanding and implementation of all applicable local and city codes, final sign of and submission of as-built drawings. Notable project included 164 Kent Avenue, Brooklyn. Design and build 30 story residential towers. Toll Brothers and L and M Equities. $125 million.

Plaza Construction Corp., New York, New York. Senior project manager and supervisor. As a senior project manager/MEPS supervisor, Mr. Starke's responsibilities included but were not limited to coordination of all subcontractors, architects and engineers involved in an estimated seven year, billion-dollar interior renovation in midtown Manhattan. Working in accordance with multiple unions and with an understanding of all local labor requirements, he developed, implemented, and maintained a short and long-term schedule, conducted daily briefings of job progress to the client rep, monitored job-site activity and provided technical assistance and support to all members of the project team to ensure a timely completion of each phase of the project. Notable project included 1 East 78th Street (New York University) Duke Mansion complete mechanical and interior renovation project, $20 million; and 270 Park Avenue (JPMC) Complete structure interior renovation project, $500 million.

Peeples Mechanical, Inc., Long Island City, New York. Project manager. For this commercial/industrial mechanical company, Mr. Starke's work included the coordination of multiple jobs ranging from 20,000 to upwards of $1 million. He was responsible for submitting equipment specs and purchase recommendations, liaison between clients, architects and engineers, producing daily and weekly project cost analyses, and job closeout procedures. Notable projects included:

- United Nations Plaza (Secretariat Building) 16th, 34th floors mechanical replacement. 1st floor and 15th floor interior renovation project, $2.5 million
- 140 East 61st Street (Andrew J Mellon Foundation). Eight-story complete interior renovation project., $8 million
- 148 East 62nd Street (Andrew J Mellon Foundation). Six story complete renovation project, $3.5 million
- Port Authority Bus Terminal Complete mechanical replacement, and selective retail interior renovation project. (Rite Aid, Staples, U.S. Post Office, Port Authority Police, various bars and eateries), $6 million
- 113 West 60th Street (Fordham Law School) emergency generator systems with selective interior renovation work (Lobby, 2nd floor, 3rd floor, 14th floor), $3.5 million

Air Ideal, Inc. Mineola, New York. Project manager. Mr. Starke reported directly to the President for this residential and small business mechanical company. His responsibilities included daily management of all operations, procurement of inventory, sales, estimates, layout and design of multiple projects, supervision of work crews, cost budget oversight, screening of new hires, and all other on-site personnel decision-making. Notable projects included:

- 210 Riverside Drive two floor apartment renovation project, $250,000
- 180 Riverside Drive three floor apartment renovation project, $400,000
- 150 East 56th Street six story condo renovation project, $500,000
- 160 Spring Street two story condo renovation project, $200,000
- 100 Vestry Street two story condo renovation project, $200,000
- 241 Erie Street Hoboken, NJ six story arts studio interior renovation project, $5 million

Education

- MS, Construction Management (Project Management)
- BS, Civil Engineering

Professional Qualifications and Certifications

- Graduate Member of Institution of Civil Engineers United Kingdom (Membership Number: [redacted] with option for eventual progression to Member (Chartered Engineer).
- CITB certificate course in Advanced Surveying & Setting-out from National Construction College, Kings Lynn, United Kingdom
- Spill Prevention and Response Training Certificate from New York City Department of Environmental Protection (DEP)
- Occupational Safety and Health Administration (OSHA) - Construction Industry Outreach Certificate

Summary

Mr. Mahmood has proven successfully that he has the extensive knowledge needed to perform multi-tasking in the field of heavy construction projects. Such tasks included estimating, scheduling and management systems using a variety of project management and information system software such as Primavera, Prolog and Expedition. He also managed quality control, budget control, and conducted field inspections.

Experience

Techno Consult, Inc., Princeton, New Jersey. Project: Hunts Point Phase 4 – Carbon Addition (WPCP), New York City Department of Environmental Protection (DEP), the Borough of the Bronx, New York. Office engineer/scheduler. The purpose of this facility is to add a supplemental carbon source, glycerol, to the waste water flow to enhance de-nitrification, as required under the BNR Consent Order Schedule. Duties are detailed below:

Schedule: Update review every month; Prepare Schedule Analysis Report for DEP; Conduct CPM Meeting every month; Schedule reply to Contractor every month

Payment: Negotiate Pencil payment with the contractor; Prepare Partial payment package; Prepare Partial payment backup for Engineer's Audit *Office (EAO) DEP*: Answer any EAO DEP's concerns as and when they arrive; Provide Additional backups from contractor by following up; Reply to US Census bureau questions on the monthly partial payments

Progress meeting: Prepare Progress meeting agenda
and minutes of meeting; Send out minutes of meeting through prolog; Monitor the project closely during meeting using through knowledge of project schedule

Monthly I&T Report: Help Resident Engineer prepare the monthly progress report; Ensuring that all the current and potential project issues are addressed in the monthly report; Final Review of Monthly I&T Report prior to being sent.

Issues & Concern through email: This phases involves interaction with the other construction phases of the plant and therefore there are questions through email every day which requires a quite thoughtful reply. My job involves guiding the project team in drafting the email responses for these critical questions on time and accurate.

Delay letters

I&T Meeting: Preparing the slides for the I&T Meeting
Guiding the project team before the meeting about critical issues to discuss in the meeting

Change order: Involved in helping the project team send out the scope of the change order; Involved in negotiating the change order with the contractor; Involved in sending the final package to the DEP

Project: Contract WI-270, (Approx. $14 Million) Wards Island Water Pollution Control Plant (WPCP), New York City Department of Environmental Protection (DEP). Manhattan, New York. Scheduler/office engineer. Responsible for technical and administrative duties pursuant to the Office Engineer's scope of work, including preparation of monthly schedule updates. The scope of construction work under this contract includes the upgrading of chemical bulk storage tanks, temporary fuel oil storage tank and construction of chemical bulk storage tanks, temporary fuel oil storage tank and construction of chemical transfer pads, installation of emergency vents, vents, cathodic protection system, inventory control system, pipe signs and petroleum transfer pads.

- Checking the contractor's monthly schedule updates, including reporting any deviation to the resident engineer.
- Preparing schedules for the balance of all work in the project using Primavera Project Planner.
- Material clearances (coordinating with materials engineer regarding status of materials approvals).
- Maintaining and organizing contract records, current plan sets and all tracking logs for the resident engineer and staff.
- Maintaining project correspondences, Non-Conformance Notices (NCN), change orders, and their corresponding logs.
- Assisting the Resident Engineer in processing the contractor's monthly payment requisitions.
- Maintaining payment records including the verification of the contractor's time and material sheet
- Preparing change orders, facilitating RFI's and writing meeting minutes.
- Performing construction inspection for conformance with the plans and specifications, and reporting any deviations to the resident engineer, including compliance with its approved SSHSP.
- Preparing and maintaining the daily construction inspection reports, which shall indicate the contractor's work activities, progress of the work, crew size and composition, weather, equipment utilization and all other information relative to the execution of the work.
- Assisting the Resident Engineer in overseeing that the contractor conducts the waste characterization transportation and disposal process, erosion control process, dewatering process, and lead and asbestos remediation process as required by the NYCDEP, New York State and federal agencies.
- Provide updated information and keep DEP informed of all special case and issues.

Ian Baldwin

SENIOR SCHEDULER

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years Experience: 35	BS, Construction Management	Certificates, AutoCAD Design, New York University, New York, New York

Professional Summary

Mr. Baldwin has an impressive 30-year career highlighted by exceptional growth and outstanding performance with a positive "can-do" attitude. A results-driven manager with consistent track record demonstrating self-motivation, creativity and initiative to achieve or exceed personal as well as corporate goals. An integral member of a cohesive management team, contributing broad-based perspective to achieve outstanding results. Remains on the cutting edge of technology; experienced in conducting presentations and training seminars utilizing computerized visual aids. Demonstrates broad-based strengths and accomplishments in:

- Change management
- Cash flow projection
- Time impact analysis
- Risk management
- Development training
- Presentation graphics
- Claims analysis
- Site safety/logistics

Selected Experience

PANYNJ, Technical Center, Jersey City, New Jersey. Senior schedule. Mr. Baldwin's responsibilities include the development and maintenance of CPM schedules, as well as the review and approval of all contractor schedules. His assigned projects include George Washington Bridge, Bayonne Bridge, Goethals Bridge, Lincoln Tunnel, Holland Tunnel, LaGuardia Airport, Newark Airport, Port Authority Bus Terminal and the George Washington Bridge Bus Station.

High-Rise Residential Projects, Bovis Lend Lease. Senior scheduler. Mr. Baldwin was responsible for developing and maintaining CPM schedules for several high-rise residential projects in the Miami area. His responsibilities included the development and implementation of schedule comparisons and narratives, as well as Time Impact Analysis and Delay Claims Analysis. He performed on-site status updates and conducted schedule meetings with entire field staff to ensure the on-time completion of all projects.

Various Projects, Turner Construction. Senior scheduling engineer. Mr. Baldwin was responsible for creating and maintaining CPM schedules, time impact analysis and monthly progress reports as well as analyzing delay claims. He hired and trained junior schedulers for project assignments, in-house scheduling, and technical support. Coordinated all scheduling meetings with field staff to ensure all projects were completed on time and as per contract

documents. He implemented company-wide tracking and reporting system to enable executive management to assess productivity and project progress, simultaneously anticipating and averting project delays and claims. He monitored accuracy and diligence of scheduled maintenance through on-site visits to job sites. He assessed needs and developed company-wide training seminars on CPM scheduling and software integration; designed and created detailed training manuals and PowerPoint presentations.

Various Projects, HRH Construction. Assistant project manager/scheduling engineer. Mr. Baldwin was responsible for all project planning and scheduling as well as site safety and logistics utilizing a variety of scheduling and computer graphics software. He tracked and maintained change management and budget revision system as well as assisted in the contractor payment review, negotiation and approval process. He created custom designed cost and data entry and tracking templates using Lotus 1-2-3, macro-programming language; generated CAD graphics for site safety and logistics planning as well as stacking plans. He successfully fostered collaboration between project management and sales personnel to create outstanding presentation materials instrumental in acquiring several major projects.

Various Projects, Structure Tone Inc. Assistant project manager/scheduler. Mr. Baldwin produced CPM logic generated schedules for new as well as periodical updating of ongoing projects using Primavera software. He created custom designed change management and scheduling program using spreadsheet application utilized by both office staff and project managers in the field. He created computer graphics and CADD drawings for site safety and logistics planning.

Various Projects, Tishman Construction. Assistant project manager.

- **St. Regis Hotel, New York, New York.** Created and implemented change order / purchase order tracking system. Tracked and managed project shop drawings, submittals, materials delivery, manpower and request for information (RFI) logs.
- **U.S. Trust Headquarters, New York, New York.** Performed management responsibilities for 36-story interior construction and base building upgrade of newly constructed building at 114 West 47th Street. Coordinated activities of all contractors and field management staff; tracked performance and approved subcontractor payments and change orders. Reviewed and approved contractor payment requisitions and change orders.
- **Barclays Bank Plaza, New York, New York.** Provided overall management responsibilities for demolition of 14-story building and construction of new three-level public plaza.
- **The Astor Terrace Apartments, New York, New York. Assistant superintendent.** Managed construction of 35-story condominiums with 12 townhouses at 93rd Street and 3rd Avenue.
- **Trump Hotel & Casino. Assistant superintendent.** Supervised and coordinated construction of all administrative space for this $350-million hotel project.
- **1155 Avenue of the Americas, New York, New York. Assistant superintendent.** Coordinated and managed sub-contractor trades in construction of this 35-story office building.

Ramesh Patel

SCHEDULER

Firm: Louis Berger	**Education:**	**Registration/Certifications:**
Years' Experience: 10	ME, Civil Engineering	See below
	BE, Civil Engineering	

Registrations/Certifications

Oracle Primavera P6/P3
AutoCAD, AutoCAD Land Development Desktop
Primavera P6
Microsoft Project
IBM Cognos
SharePoint
MicroStation
Civil 3d
MS Office

Professional Summary

Mr. Patel is a professional with 10 years' experience in project management, engineering design, and construction. His expertise includes performing design functions, supervising construction forces, preparation and maintenance of project schedules, estimating change orders, review of payment requisitions, and performance of document control functions. With a core base of understanding in the metropolitan New York and New Jersey area, he possesses a strong understanding of PANYNJ requirements. As an extension-of-staff for PANYNJ, he has been on site at Newark Liberty International Airport performing project control functions for the Physical Plant & Redevelopment Division of NJ Airports, and working very closely with every project manager and program manager to help deliver the capital plan on time and within budget.

Selected Experience

MCSS, Inc. (PANYNJ), Aviation – Newark International Airport, New Jersey. Senior project control engineer. Mr. Patel executed project management methodologies and project controls to ensure the projects/programs objectives are completed within schedule, scope, and budget. Total cost range from $5 million to $325 million in value for projects/programs at the Newark Liberty International Airport and Teterboro Airport. He provided support to the PMO (Project Management Office) on process of developing standards, project management manual, capital planning, testing and implementation of multiple enterprise wide reporting tools and systems. He worked alongside senior airport management providing technical support for effective communication and demonstration of the Newark Liberty International Airport and Teterboro Airport (EWR & TEB) Capital Plan (5-years and 10-years). In this role, he also developed detailed construction schedules, which were submitted to FAA and utilized during major airside improvement projects. Provide assistance to project manager in managing projects from initiation to close out process, creating CPM schedules, WBS, ad-hoc reports to highlight project performance, and cost analysis by using Primavera P6, MS Office, SAP and Port Authority's

internal applications. He implemented base line and critical path method to measure project performance. He worked as a team player and effectively communicate to mid-level and senior level managers by providing technical supports, training and presentation to manage and measure enterprise portfolio. He developed capital plan and budget to identify future needs and goal. Additional responsibilities include development and maintenance of integrated design and construction schedules, resource loaded schedule, cost estimates (+/- 10 percent), coordination of schedule interfaces, analysis of project performance using earned value analysis as well as analyzing and monitoring progress, trends, variances and impacts against baselines, budgets and estimates. He worked on risk assessment and matrix to identify risk using Monte Carlo method.

AB Abhishek Enterprises Pvt., Ltd., India. Design engineer. Mr. Patel prepared design for various projects like storm water management, soil erosion and sediment control measures and applications, storm sewers, detention basin and outlet structure, striping and grading using Autodesk Land Desktop, MicroStation v8, Civil 3d, Storm CAD and TR-55. He prepared contract documents (drawings and specifications). He prepared cost estimates; provided support to project engineer to deliver design task on time; and organized various meetings and training to understand design task. He also prepared design schedule to monitor the design tasks complete in time and given budget using Primavera Project Planner (P3).

Water and Power Consultancy Services (I) Ltd., Ahmedabad, India. Junior engineer. Mr. Patel worked on project "design of macro and micro Canal Network Planning of Distribution System up to 4-6 ha subchak command area of Saurastra Branch Canal for Sardar Sarovar Narmada Nigam Limited (SSNNL), Gujarat, India". He prepared design and estimates for small structures such as Canal Syphon, Aqueduct, Head Regulator, Cross Regulator, Escape, and Culvert using AutoCAD and estimation application. He participated in design review meetings with engineers from Government of Gujarat Irrigation Department and other local agencies. He prepared cost estimates based on preliminary design and final design for bid packages, and the development of land acquisition plan.

Backbone Projects, Ltd., Ahmedabad, India. Junior construction engineer. Mr. Patel was hired to work on highway project "Widening of National Highway from Chiloda to Himmatnagar (52 Kilometers)". He was responsible for site supervision, document control, invoices and labor payouts. He prepared project schedule, progress reports, and cost estimates.

Farai Chinyerere

SCHEDULER

Firm: Louis Berger
Years' Experience: 3

Education:
MS, Industrial Technology; Construction Management
BS, Construction Management Technology

Professional Summary

Mr. Chinyerere has a Master of Science Degree in Industrial Technology, Construction Management from North Carolina A and T State University. Some of his most recent responsibilities have included scheduling, cost control, updating budgets and actuals, site safety inspections and reporting, assisting in development of project management plan.

Selected Experience

Port Authority Trans-Hudson Corporation, Jersey City, New Jersey. Scheduler. Mr. Chinyerere's assists in development of project management plan and sub-plans. He develops and maintains resource loaded schedules. He assists in the development of work break down structures and baseline schedules for monitoring and evaluating project progress; collects progress data and update schedules; identifies and alerts potential schedule delays and develop recovery plans when necessary; works closely with engineering leads in monitoring progress; and collects project data, analyze performance, and produce reports. He assists with project document control.

Louis Berger Group. Morristown, New Jersey. Project controls specialist. Mr. Chinyerere responsibilities developing, updating, and maintaining SharePoint sites. He developed, updated, and maintained project schedules. He collected project data, analyzes, and produces reports; and analyzed and created project performance (EVM) reports.

URS – Nuclear Energy, Fort Mill, South Carolina. Cost analyst. Mr. Chinyerere developed, updated, and maintained resource loaded EPC project schedules. He conducted regular schedule updates with participation of Project Managers and incorporated status into the schedule; monitored weekly progress against the baseline and reported any variances to the project manager; and alerted the project manager of resulting schedule slips to milestones and took corrective action as directed. He imported and linked P6 schedule activities to respective prism control accounts. He worked with cost control of engineering, procurement, and construction projects. He analyzed project data and created project performance reports (EVM). He assisted in Prism database maintenance. Mr. Chinyerere created control accounts and loaded budgets and hours for authorized work; updated budgets and actuals and ran cost summary reports, PQMRs; and maintained change order management log – tracked potential scope change. He prepared estimates for approved scope change. He also calculated, updated, and reported manpower forecasts (RMT).

Depot Street Construction, Winston Salem, California. Assistant field engineer. Mr. Chinyerere reviewed and interpreted plans and specifications. He coordinated and supervised work site activities. He reviewed and coordinated submittals; reviewed and processed requests for information (RFIs); and reviewed and processed change order requests (CORs).

Shields Incorporated, Winston Salem, North Carolina. Onsite safety coordinator. Mr. Chinyerere ensured compliance with OSHA regulations. He provided training to company employees on Occupational Safety & Health issues. He prepared daily pre-task safety plan (JSA). He conducted and documented scheduled work site safety inspections and reports. He inspected job site and took corrective measures as needed. He also conducted accident, incident, and near miss investigations.

Bar Construction Inc., Greensboro, North Carolina. Field engineer. Mr. Chinyerere reviewed and interpreted blueprints. He also coordinated and supervised work activities. He provided insight into quality control and document control, submittals, and RFIs.

Landmark Builders Inc., Brown Summit, North Carolina. Field engineer. Mr. Chinyerere interpreted blueprints and supervised work activities. He oversaw quality control and document control, reviewed submittals, RFIs, and CORs.

Brendan Faherty

SCHEDULER

Firm: Louis Berger
Years' Experience: 3

Education:
BS, Mechanical Engineering

Professional Summary

Mr. Faherty has a bachelor of science degree in mechanical engineering from Rensselaer Polytechnic Institute. He is currently developing SharePoint websites and providing project tracking services including scheduling and earned value analysis for various projects.

Selected Experience

Project Controls Specialist, Project Management Information System (PMIS). Program management / construction management business unit. Mr. Faherty's responsibilities include Developing SharePoint websites for project collaboration and document management. Creating and maintaining project schedules using P6 and MS Project. Monitoring and tracking the performance of various projects across the company.

Jamaica N/S Highway Project, Jamaica, Kingston, Jamaica. Project controls specialist. Mr. Faherty developed and implemented a SharePoint compatible electronic inspection document system consisting of several interactive quality related forms with built in logic and custom workflows. He met with the client to develop requirements and provided onsite training

Project Monitoring, Various Locations-Based in Morristown, New Jersey. Project controls specialist. Mr. Faherty tracked and monitored the performance of projects across the company using earned value analysis. Developed and maintained project schedules, conducted monthly status meetings with project managers, tracked the budgeted and actual hours to date and forecasted future performance using a variety of metrics.

Trust for the National Mall, Washington DC. Project controls specialist. Mr. Faherty developed SharePoint websites and created custom web parts and workflows for enhanced project collaboration and document control. He developed and maintained a project schedule using P6 software. He created schedule layouts and displayed them on SharePoint websites.

Riyadh Metro, Riyadh, Saudi Arabia. Project controls specialist. Mr. Faherty assisted with the development and customization of SharePoint websites. He built sub-sites for the Riyadh Bus Program and Program Wide Projects. Built custom lists and libraries and added web parts to best organize and display project documents. He added and edited navigation tabs and site graphics to meet client requirements. He created dashboard with interactive charts connected to live data. He uploaded and maintained project documents on SharePoint site.

Design Build, Various Locations and Projects-Based in Morristown, New Jersey. Project controls specialist. Mr. Faherty developed SharePoint sites as needed for new projects. He customized site navigation and structure to meet project needs. He communicated with project managers and provided technical support for the organization and management of all SharePoint site content. He worked with project managers and Accountants to track project progress and perform project earned value analysis.

New York State Community Reconstruction Program, New York. Project controls specialist. Mr. Faherty assisted with the development and customization of SharePoint websites. Communicated with Project Manager and provided technical support for the organization and management of SharePoint site content.

Prakash Saha

NACE COATING INSPECTOR

Firm: Louis Berger
Years' Experience: 19

Education:
AAS, Applied Science

Registration/Certifications:
See below

Registrations/Certifications

NACE Certified Coating Inspection Technician
New York State Asbestos Inspector, Air Sampling Technician, Project Monitor, Project Designer
New York City Asbestos Investigator
NJ Asbestos Safety Technician (AST) - State of New Jersey
NIOSH 582 Sampling and Evaluating Airborne Asbestos
EPA, HUD Lead Inspector and Risk Assessor - State of New York & New Jersey
(XRF) Certified Technician (RMD, Niton)
OSHA 40-hour HAZWOPER
OSHA Confined Space
SSPC C-3/5 Supervisor/Competent Person for De-leading of Industrial Structures – State of New Jersey

Professional Summary

Mr. Saha is a manager with Louis Berger with more than 19 years of environmental engineering and consulting experience. Mr. Saha specializes in conducting investigations of environmental hazards including lead and asbestos containing materials surveys, design and management; including schools and commercial buildings per Industrial Code Rule 56 and NYCDEP Title 15. Also managed services associated with oversight and implementation of environmental site assessments including Phase Is and IIs, subsurface investigations, geotechnical services, wetlands services, noise, radiation and worker health and safety.

Selected Experience

NY City Department of Design and Construction Environmental/IH Services and Geotechnical Contracts (2 consecutive) for Infrastructure and Facility Projects City-wide. Contract/ client manager. Mr. Saha managed Louis Berger's services associated with oversight and implementation of more than 200 projects to date involving lead and asbestos containing materials surveys, design and management, environmental site assessments including Phase Is and IIs, subsurface investigations, geotechnical services, wetlands services, noise, radiation and worker health and safety..

New York City School Construction Authority, Capital Improvement Program. Contract manager for SCA program. Mr. Saha's specific responsibilities included senior technical reviewer on asbestos, lead-based paint. mold and PCBs identification surveys and abatement design including specifications and cost estimates. As well as managed Louis Berger's services associated with asbestos air monitoring and industrial hygiene services for many schools throughout the five boroughs.

Environmental Support Services, Government Services Administration. Project manager. Mr. Saha provided engineering conditions assessments and regulatory compliance support for program development study at Byron Rogers federal building in Denver, Colorado. Addressed all engineering and compliance related issues including but not limited to lead/asbestos,

chemical/ biohazard protection, building demolition and abatement, PCBs, waste management and health and environmental safety.

Port Authority of NY/NJ, Asbestos and Lead Paint Survey and Design Contract. Project manager. Mr. Saha has more than 10 assignments to date in New York state, New York City, and New Jersey providing comprehensive asbestos services for capital projects, with primary emphasis on air and contractor monitoring and inspections.

TriBorough Bridge and Tunnel (aka MTA Bridges and Tunnels) Asbestos Survey/Design Contract and Asbestos Monitoring Services Contract (2 consecutive). Manager. Mr. Saha has completed more than 20 task orders to date throughout NY City providing comprehensive asbestos services for bridge and tunnel projects.

U.S. Army Corps of Engineers, New York District Multiple Projects at Fort Hamilton, New York. Task manager. Mr. Saha served as task manager and senior technical reviewer on asbestos and lead-based paint identification surveys, and abatement design including specifications cost estimates. Projects include renovation/upgrades of Buildings 207 and 230 project; 135, 136, 137, and 138 project; 209 and 210 project.

NYSOGS, Asbestos/Lead Materials Survey and Design for Many Architectural and Engineering Projects, New York. Task manager. Mr. Saha was directly responsible for managing the day-to-day operations, including the following: pre-inspection and document review, site inspections, bulk sampling, laboratory analysis, sample analysis and review, analytical quality assurance plan, final survey report preparation, cost estimation, preparation of schematic plans, drawings and specifications and pre-bid coordination. More than 100 such projects have been completed.

Westchester County School Districts, New York. Task leader. Mr. Saha worked with asbestos identification surveys, prepared asbestos abatement specifications for removal asbestos containing materials (ACM), and provided oversight of abatement of ACM. Project included weekly progress meetings with architect and Board of Education officials. Services provided to various school district throughout Westchester County.

New York City Transit, CM-1182 Services of an Environmental Engineering Consultant, New York, New York. Mr. Saha participated in survey and design aspects of QA/QC of CADD drawings for functionality and scales. Performed data collection for abatement projects in order to compile final reports.

NYPA, Asbestos Planning and Environmental Consulting Services, New York, New York. Mr. Saha performed several surveys and designs associated with energy upgrade projects throughout New York State.

Asbestos and Lead Paint abatement, New York and New Jersey. Field asbestos safety technician. Mr. Saha monitored high rise structures, health care facilities (including UMDNJ Facility), public schools, etc.

Rafaél Melendez

MECHANICAL ENGINEER

Firm: Naik Consulting Group, PC
Years' Experience: 20

Education:
BS, Mechanical Engineering

Registration/Certifications:
Certified Sustainable Building Advisor Candidate
Certified Energy Management Candidate

Professional Summary

Mr. Melendez has 20 years of increasingly responsible experience in MEP Services. Mr. Melendez has extensive experience in the project management of MEP projects involving Design-Build, LEED Analysis, Zero Carbon Energy Codes (Passive House, Zofnass Sustainable Infrastructure, Living Building Challenge) BIM, Renewable Energy, Commissioning, Sustainability, Historic Preservation, Resilience, Mitigation and Construction Management. Clients Mr. Melendez has provided services for include FEMA (Sandy Storm NJ Relief), transportation agencies including the NYC Transit Authority, Port Authority of NY&NJ, South Jersey Transportation Authority, telecommunication companies including AT&T and Verizon, and Pharmaceutical Companies. He is currently completing his CSBA –Sustainable Building Advisor certification, part of the longest running and most effective green building education. This is a nationally recognized, intensive four-month program focusing on both local and national green sustainable building.

Experience

PANYNJ JFK International Arrivals Building, JFK International Airport, Queens, New York. Mechanical engineer/CAD draftsperson. Designed and drafted HVAC / Fire Protection systems.

NYCTA, 2nd Avenue Subway, New York, New York. Mechanical task team leader. Provided chiller plant design for mission critical (data center) spaces including equipment selection, layout, CAD and specifications. Systems designed included: N+1 plant consisting of water-cooled chillers, induced-draft cooling towers, series-connected plate and frame heat exchangers, remote sump pits, sump sweeping systems, condenser water filtration systems, condenser water pumps, primary/secondary chilled water pumping system, computer room air conditioning (CRAC) units, pipe distribution, instrumentation and controls, and sequence of operations.

Buffalo Airport International Terminal Building, Buffalo, New York. Mechanical engineer/CAD draftsperson. Designed and drafted HVAC/ Fire Protection Systems.

FDR Harlem River Drive, New York, New York. Mechanical engineer/CAD draftsperson. Designed and drafted HVAC/ Fire protection Systems.

IBM, Canada Chiller Plant, Bruns Pak, Inc., Edison, New Jersey. Mechanical project engineer. Provided chiller plant design for mission critical (data center) spaces including equipment selection, layout, CAD and specifications. Systems designed included: N+1 plant consisting of water-cooled chillers, induced-draft cooling towers, series-connected plate and frame heat exchangers, remote sump pits, sump sweeping systems, condenser water filtration systems, condenser water pumps, primary/secondary chilled water pumping system, computer room air

conditioning (CRAC) units, pipe distribution, instrumentation and controls, and sequence of operations.

AT&T, Multiple Corporate Facilities, Bedminster, Bridgewater and Basking Ridge, New Jersey. Senior mechanical designer. Designed HVAC, Plumbing, and Fire Protection systems for company owned commercial real estate, including: AT&T World Headquarters, AT&T World Network Operating Center, AT&T Labs, AT&T Business Services Group, and AT&T Consumer Services Group. Systems designed included, but were not limited to, air-cooled liquid chillers, centrifugal chillers, computer room air conditioning units, rooftop air handling units, air-cooled condensing units, emergency exhaust systems, variable volume systems, constant volume systems, primary/secondary chilled water loop systems, cooling towers, humidification, web-based modular control systems, domestic water and sanitary systems, light hazard occupancy fire protection, lawn sprinkler systems and in-rack sprinkler systems.

FEMA Sandy Storm Relief/ Fluor Government Group, Middletown, New Jersey. Project specialist/technical action committee. Providing expert advice in MEP discipline for the Sandy Storm relief in New Jersey under FEMA management as part of the Federal public assistance program. Surveyed disaster sites, developed project worksheets, estimated project costs, assessed applicant expert reports, advised on reconstruction mitigation measures [as per FEMA standards], and investigated environmental and historical preservation impacts.

Residential Towers of the 21st Century Completion (CSBA Certification Requirement), New York, New York. Project lead. Leading the design team consisting of engineers, architects, renderers to design the residential tower of the future for the city of New York. This is a design competition sponsored by Metropolis Magazine. The building will consist of a steel structure and the services will allow it to be completely self-sustaining while providing fringe services to the community at large. The building will create all of its energy and water requirements as well as recycle all of its waste. The design will be developed to encompass a complete ecosystem that will also aid in reducing the carbon footprint of the community thereby going beyond carbon neutrality capability and into carbon negative status.

John A. Carbone

NACE COATING INSPECTOR

Firm: Naik Consulting Group, PC

Years' Experience: 15

Registration/Certifications:
NACE Level I Recertification
TCCP

Professional Summary

Mr. Carbone has more than 15 years combined experience in the construction inspection, management, and bridge repainting fields. His work includes the management of multiple project phases including scoping, design, estimating, procurement, materials management, construction, maintenance operations, shut-downs, coordination of industry requirements with federal and state regulatory demands as well as quasi-government institutions. He has completed projects in Lead Abatement for steel structures/heavy industry with related environmental issues. His advancement from field operations, through front-line supervision to senior staff management and administrative positions has given him a broad perspective of overall project requirements. His administrative experience includes proposal compilation, scheduling, program tracking (cost, utilization, etc.), customer relations and reporting.

Experience

NJTA Dr Driscoll Bridge Repainting & Structural Repairs, Middlesex County, New Jersey. Chief painting inspector. For abrasive blasting, lead abatement, caulking and repainting of this structural steel. Performed the painting inspection tasks, inspected the containment procedures; tested the paint, inspected the various coatings, and prepared the inspector reports. Maintains and updates monthly quantities using the CapEx System. Also performed the painting inspection tasks for the Fireproofing for the Basilone Bridge during this time period.

NJTA Hackensack River Lewandowski Memorial Bridge, Secaucus, New Jersey. Painting inspector. For construction management and inspection services for the painting portion of the $149 million rehabilitation project which included lead abatement and painting of 1.2 million square feet of weathering structural steel. Performed the painting inspection tasks and reports in accordance with the NJ Turnpike CapEx system. Also responsible for the inspection of the repainting of the structural steel consisting of the painting inspection tasks, containment barriers, supervision of the inspectors and contractor's painting crews, analyses of the paint, preparing reports and monthly estimates. Project Details Include: Construction Staging Details; FHWA Testing at Penn State; Crash Test and Barrier Foundation; Substructure Spall Repairs; Fender System Repairs; Rock Excavation at Laurel Hill; Access Road & Wet Land Protection; GRES Wall/South Temporary Access Road Construction; Shoulder Resurfacing and HICC Deck Spall Repairs.

NJTA Repainting of Basilone Memorial Bridge, Somerset, County, New Jersey. Painting inspector. For painting inspection and close-out for this $5.5 million New Jersey Turnpike Authority bridge painting contract. Inspected abrasive blasting and repainting structural steel of Basilone Memorial Bridge over the Raritan River, Structure Nos. 82.24N and 82.24S. The project

involved blast cleaning and painting of structural steel and zone painting of weathering steel, replacement of open grid deck systems, repairs to deteriorated/damaged trusses and sidewalks, and repaving roads on either side of bridge approaches. Responsibilities included performing painting inspections tasks, including inspection of abrasive blasting, lead abatement and repainting of the bridge, and preparation of the inspector reports in accordance with the CapEx System. Also monitored the negative pressure enclosure with a suspended work platform to contain blast abrasives, dust and debris.

Delaware River Joint Toll Bridge Commission, Route 80 Delaware Water Gap Bridge Rehabilitation and Repainting. Warren County, New Jersey/Monroe County, Pennsylvania. Painting inspector. For this $17 million bridge rehabilitation project, including a multi-faceted rehabilitation of the bridge's superstructure as well as corresponding work on the bridge's approaches. The project included bearing and deck joint replacement, cleaning and painting of the superstructure of the bridge, repairs to the bridge substructure, replacement of under-bridge lighting and portions of the bridge drainage system, seal coating of the bridge deck and other elements. Responsible for the inspection of all core drilling and epoxy grout to set anchor bolts for new pedestals; deck seal coat: confirming concrete preparation and application of methacrylate sealer to roadway; blast clean and painting the bridge Superstructure- Preforming all inspections for preparation and application for for 3-coat paint system. (Total of 360,000 sq. ft. of steel); Overseeing construction and maintenace of Class 1A Negative Pressure Containments for each span; Monitoring blast operations to confirm negative pressure condition; Overseeing repairs if any emmissions from containment occurred before allowing blast ops to continue; Monitoring storage of hazardous waste while on site; and Generating punch list for contractor and overseeing completion of all listed items.

DRJTBC Riegelsville Bridge Rehabilitation and Painting. Warren County, New Jersey/Monroe County, Pennsylvania. Painting inspector. For the $6 million abrasive blasting, lead abatement, caulking and repainting of this structural steel, 585-foot suspension bridge crossing the Delaware River. Performed the painting inspection tasks, inspected the containment procedures; tested the paint, inspected the various coatings, and prepared the inspector reports. Responsible for the inspection of the structural repairs, bridge deck repairs, and painting inspection. Work included inspection for abrasive blasting, lead abatement, caulking and repainting of this structural steel, 585 foot suspension bridge crossing the Delaware River. Also monitored negative pressure containment with a suspended work deck to inhibit paint chips, rust and debris from entering waterway and environment, and monitored ambient conditions, employee health exposure and hazardous waste disposal, and prepared the inspector reports.

NJDOT Route 295, Exits 4-21 Lead Abatement. Painting inspector for abrasive blasting and repainting structural steel of 11 overpass bridges. Construct negative pressure enclosures to contain blast abrasives, dust and debris for environmental protection. Ambient controlled ventilation to maintain conditions for continuous blast/paint operations. Monitored employee health exposure, hazardous waste disposal, and traffic control.

John Waldorf

NACE COATING INSPECTOR

Firm: Naik Consulting Group, PC
Years' Experience: 15

Education:
BS Ocean Engineering, Florida Atlantic University, 1982

Registration/Certifications:
NACE CIP Level I
NACE Cathodic Protection Specialist
NACE Senior Corrosion Technologist
Texas Professional Engineer
Louisiana Municipal Contractor License
TCCP

Professional Summary

Mr. Waldorf has more than 15 years' experience in the heavy civil, residential, commercial, water and waste water markets. As a manager, he has extensive proficiency with large-scale design build contracts, P&L and risk assessment.

Selected Experience

NJTA Easterly Hackensack Bridge, Essex and Hudson Counties, New Jersey. Senior inspector. The New Jersey Turnpike Authority required bridge deck reconstruction, miscellaneous structural repairs, roadway improvements and repainting of structural steel on the Hackensack River Lewandowski Memorial Bridge, on the Easterly Roadway of the New Jersey Turnpike. As Resident Painting Engineer, performed the painting inspection tasks and reports in accordance with the NJ Turnpike CapEx system and standards. Also responsible for the inspection of the repainting of the structural steel consisting of the painting inspection tasks, containment barriers, supervision of the inspectors and contractor's painting crews, analyses of the paint, preparing reports and monthly estimates. Project Details Include: construction staging details; FHWA testing at Penn State; crash test and barrier foundation; substructure spall repairs; fender system repairs; rock excavation at laurel hill; access road & wet land protection; GRES Wall/South temporary access road construction; shoulder resurfacing and HICC deck spall repairs.

Additional Experience

PANYNJ Goethals Bridge Rehabilitation. New York/New Jersey. Senior inspector. Managed and inspected bi-annual emergent steel repairs; painting of entire bridge structure; erection of bridge platform and containment. responsibilities included onsite contract/construction manager, preparation of estimates/cost proposals, management of worker health and safety, coordination of environmental monitoring, manage on site quality assurance, management of third party design engineers, coordination of hazardous waste disposal, coordination of all project submittals and RFI's, develop quality assurance plan, manage marine equipment; barges & tugs, contractor coordinator with resident engineer.

MTA Bridges & Tunnels Bronx Whitestone Bridge Rehabilitation. New York. Senior inspector. Managed and inspected rehabilitation of main suspension cables & suspenders, bi-annual

emergent steel repairs, painting of entire bridge structure including stiffening truss and floor beams, painting of bridge towers, containments erection, and replacement of side walk deck. responsibilities included: onsite contract construction management, managed onsite quality assurance and inspection team.

MTA Bridges & Tunnels, Verrazano Narrows Bridge, New York. Senior inspector. For bi-annual emergent steel repairs, painting of entire bridge structure, installation of man-ways, installation of containment platform. responsibilities included: onsite contract and construction management.

NYSTA Tappan-Zee Bridge Rehabilitation /Painting & Pier Replacement. Senior inspector. Rehabilitation of New York Tower marine pier structures, installation of new pipe piles/ H-piles and crib structure, painting of entire bridge sub-structure, painting of New York tower structure, erection of bridge platform and containment, build marine load out facility. responsibilities included: onsite contract/construction manager, manage on site quality assurance and inspection team.

DRJTBC Riegelsville Bridge Rehabilitation and Painting. New Jersey/Pennsylvania. Senior inspector. For abrasive blasting, lead abatement, caulking and repainting of this structural steel, 585 foot suspension bridge crossing the Delaware River. Performed the painting inspection tasks, inspected the containment procedures; tested the paint, inspected the various coatings, and prepared the inspector reports. Responsible for the inspection of the structural repairs, bridge deck repairs, and painting inspection. Work included inspection for abrasive blasting, lead abatement, caulking and repainting of this structural steel, 585-foot suspension bridge crossing the Delaware River. Also monitored negative pressure containment with a suspended work deck to inhibit paint chips, rust and debris from entering waterway and environment, and monitored ambient conditions, employee health exposure and hazardous waste disposal, and prepared the inspector reports.

DRJTBC, Route 80 Delaware Water Gap Bridge Rehabilitation and Repainting. New Jersey/Pennsylvania. Senior inspector. The bridge rehabilitation project included a multi-faceted rehabilitation of the bridge's superstructure as well as corresponding work on the bridge's approaches. As resident painting engineer, responsible for the inspection of all core drilling and epoxy grout to set anchor bolts for new pedestals; deck seal coat: confirming concrete preparation and application of methacrylate sealer to roadway; blast clean and painting the bridge superstructure- preforming all inspections for preparation and application for for 3-coat paint system. (Total of 360,000 sq. ft. of steel); overseeing construction and maintenace of class 1a negative pressure containments for each span; monitoring blast operations to confirm negative pressure condition; overseeing repairs if any emmissions from containment occurred before allowing blast ops to continue; monitoring storage of hazardous waste while on site; and generating punch list for contractor and overseeing completion of all listed items.

Ainul Abedeen

CIVIL INSPECTOR

Firm: Techno	**Education:**	**Registration/Certifications:**
Years' Experience: 25+	BS, Civil Engineering	See below

Registrations/Certifications

- NICET Certified Level II - Highway Inspector
- NICET Certified Level I - Water Main
- Level I – ACI Certified
- OSHA 10 Hours Course

Professional Summary

Mr. Abedeen has more than 30 years of experience in the construction industry. He is an NICET Certified Level II - Highway Inspector and NICET Certified Level I - Water Main. He has extensive experience in highway construction, construction management, and design. His project experience includes highways, bridges, roadways, and tunnels projects. Currently, Mr. Abedeen is the inspector for NYSDOT "Route 9A West Street Promenade Contract Number D260298" in Lower Manhattan, New York through Haider Engineering. Previously, he worked as a project / field engineer and site inspector for various construction projects. Computer Skills: Microsoft OS-Microsoft Window NT/98/XP, Auto CAD, Micro Station Power Point, Microsoft Office, AS/400 Operating System, Certified Cisco Network Associate, and Certified Microsoft System Engineer.

Selected Experience

Techno, Princeton, NJ, PANYNJ, LaGuardia Airport Redevelopment Program - Construction inspector. The program also includes supporting projects undertaken concurrently, by the Authority, to support the New CTB include: (a) demolition of Hangers 2 and 4; (b) Improvements to the public airport roads (excluding New CTB frontage Roads) and utilities; (c) Construction of new East End Substation (EES) serving the New CTB and terminal C and D; 9d) Construction of airfield modifications to support the New CTB ramp configuration; and (e) Construction of a new East Garage serving Terminals C and D, and a new West Garage serving the New CTB. As an Inspector, duties include: coordinating with the field and the design team to resolve conflicts in the drawings; coordinating with the contractor and the maintain as-built drawings of the work; performing all other inspection and field duties as required by the resident engineer; preparing and maintained daily construction inspection and activities reports.

NYSDOT, Route 9A West Street Promenade Contract Number D260298. Lower Manhattan, New York. Construction inspector. Duties included the inspection of all phases of construction and collecting field samples for conformance with NYSDOT specifications, performing of field test of concrete and compaction test for backfilled material. He was also responsible for the electronic recording of daily reports, digital pipe notes/sketches of water main for its submission to DEP and recording of quantities for completed works on a daily basis.

As an inspector for the "project, he is responsible for the following aspects of the project: Planting median and buffer, colored at grade crosswalk and pedestrian refuge at intersections, landscape and Irrigation work for the Construction of West Thames 8"Park, Playground and Garden. This project also includes 90 West, Verizon, 9-11 Memorial and WFC (#1 to #3) Frontage; the Construction of 7.0 Ft high embankment by replacing soil with Light Weight Fill material because of elevated grade of Memorial Frontage; Reconstruction of roof of existing sewer chambers and altering of utilities structure due to change in grade of new PCC Pavement - driving piles to support concrete cradle for 24" – 48" concrete pipe; Installation of sewer manholes and Catch Basin (Type 2 & 3) and laying of 12"/18" DI pipe for storm sewer; Installation of 6" – 20" MJ Valves and fittings for new water main; Installation of 12" polyethylene pipe for high pressure and 16" steel for low pressure gas main; Installation of chain link fence with decorative screen fabric mounted on temporary concrete barrier to establish barricaded work zone; Installation of roadway structure, 12" sub base, 4" permeable base and 11" thick PCC pavement on finished embankment; Installation of Granite Stone paver on 5" thick concrete slab for construction of sidewalk/frontage; Installation of reinforced bollard foundation for bollards in front of Memorial Frontage; Removal and installation of sign structures and footing, painting and paint removal; and Removal of Temporary Pedestrian Bridge at Vesey Street intersection

Estimating, Cost Control and Project Management for various projects. Project engineer Responsibilities included: preparing cost proposals, change orders and time extensions, updating contract drawings on monthly basis featuring as-built condition at site using AUTOCAD and Micro Station. He also updated the construction schedule on a monthly basis monitoring progress at site. He also prepared and reviewed re-bar/structure shop drawing, preparation of submittals for the projects below:

- Yonkers Station Historic Building Rehab, C-9496 (3.4 M)-Metro North.
- Construction of Communication Room, C-43015 (7.1 M)-MTA.
- Brooklyn Battery Tunnel BB-24 (3.4 M) - TBTA.
- Queens Midtown Tunnel QM-10 (4.9 M) - TBTA.
- Rehabilitation of Clifton Maintenance Buildings C-80248 (4.1 M) - MTA.

Jeddah Port Authority, Field Engineer. As a field engineer, Mr. Abedeen was responsible for the inspection of all phases of construction and ensuring that work done as per plan and specifications including installation of catch basins, inlets, storm sewer, placement of concrete and pavement overlay, striping, landscaping, relocation of lightning, overhead signs and junction boxes. His duties also included but not limited to report writing, record keeping of contract documents, quantity take off. He also prepared monthly estimates, change orders, and time extension. He attended the progress meeting as well. This project included the reconstruction of 16 mile highway and widening of two bridges costing $65 million. It consisted of the Fabrication and Erection of various components of bridges, Resurfacing sub-base, base concrete, asphalt, installation catch basin, connection, sewer pipe, manhole, water main and pavement marking including installation of street lights, traffic lights and traffic signs.

Hau (Joe) Nguyen

ELECTRICAL INSPECTOR

Firm: Techno
Years' Experience: 10+

Education:
BS, Electrical Engineering

Registration/Certifications:
AutoCAD Certified
Confined Space Certified
OSHA 10-Hr Construction
Industry Outreach Training

Professional Summary

Mr. Nguyen is an electrical inspector/engineer with more than 10 years of experience working in various projects. His experience combines both electrical systems design and inspection. He has worked on many buildings facilities, including, airports, bridges controls, waste water treatment facilities and residential. In addition, he has worked on trains electrical power stations upgrade for Connecticut DOT, where he drafted electrical distribution and lighting systems. He had also provided electrical inspection services to the Port Authority of New York and New Jersey for the Cristopher Street Substation.

Selected Experience

Techno Consult Inc., Princeton, New Jersey, PANYNJ, Holland Tunnel Electrical and Mechanical Rehabilitation of Ventilation System. Electrical inspector. The project consists of replacement of all 84 huge ventilations fans installed since 87 years including all related accessories. It also includes repairs of supply/exhaust dampers and their ancillaries. Rehabilitate complete instrumentation, sensors and building automation system including revision of software and networking meeting extreme emergency situations modifying firefighting and alarm system. Work also includes replacing VFD (variable frequency drive) meeting varying speeds (frequency) and compatible with the new ventilation fan electric motors.

NYCDEP, $322 million 26th Ward Wastewater Treatment Plant. Brooklyn, New York. Electrical inspector. Mr. Nguyen was responsible for technical review of engineering packages comprised of following systems: power distribution and equipment, illumination, fire alarm and protection, lightning protection and grounding, monitoring and security, data/voice communication and cathodic protection system. Performed engineering and commissioning using PANELBUILDERS 32, QUANTUM, FAUNC, WONDERWARER, MATH CAD, RSVIEW32, CIMPLICITY, PMCS, and VERSAPRO and performed construction inspection for conformance with design and contract specification. Prepared and implemented directives for corrective actions. Evaluated modifications, change orders and prepared recommendations for negotiations and approvals. Coordinated and reviewed the CPM schedule and perform all other inspections and evaluations.

Clove Road facility Upgrade Staten Island, New York

- Researched and designed telephone system, network system, fire alarm system and security system in compliance to all codes regulations. Prepared specification and recommendations write ups of each system. Prepared riser and floor plan drawings for all systems.
- Supervised an electrical team performing new installations, wiring, and electric equipment such as power distribution, transformers, motors, motor controllers, and motor disconnects.
- Supervised field construction activities at the site. Assisted the resident engineer running the facility over the project the owner at the conclusion of the project.

- Responsible for the inspection of the division quality assurance and quality control program. Directed all source inspection activities including resolution of related code requirements and related problems.

Manhattan Bridge Roadway Upgrades, NYCDEP, New York. Researched and calculated dampers for electrical power panels. Field Inspections on vibration effects and CCTV operations on Manhattan Bridge. Revise and draft AutoCAD drawings of current contract. Calculate best illumination for roadway lighting with Micro-Lumens software for illumination layout.

Emergency Rehabilitation for Coney Island Wastewater Treatment Plant, Brooklyn, NYDEP Inspected parts and equipment to be installed and examine laborers work. Supervise drawings with Malcolm Pirnie's Resident Engineer for correct layout and designs. Worked with DEP, Malcolm Pirnie, and FMMC to ensure all specifications comply with Contract 105. Report all work and discrepancy during the project.

Westchester County Airport Perimeter Security Upgrade. Westchester, New York. Researched on security intrusion sensors and CCTV systems. AutoCAD, draft and design security surveillance system, in accordance with TSA and FAA regulations

Cosmos/Kabar, Long Island, New York. Built and assembled RF welding machine, trouble shoot and wire electrical controls, and thoroughly test and inspect welding machines.

Ironton-Russel Bridge Lighting Replacement, Columbus, Ohio Department of Transportation. Researched lighting designs and lighting fixtures. Operate Micro-Lumens software for illumination layout

Brooklyn Shaft Reconstruction, Brooklyn, New York – NYCDEP. Researched on security systems and CCTV cameras for security monitoring. AutoCAD designer and drafter of security and CCTV systems for shaft facility. Prepare specification and recommendations write ups of each system.

Illard Johnson

CIVIL INSPECTOR

Firm: Techno
Years' Experience: 15+

Education:
AAS, Civil Engineering

Registration/Certifications:
NICET II - Highway Construction
NICET III - Highway Construction
ACI CCSJ Concrete Construction Special Inspector
ACI Concrete Field Testing Technician – Grade I
Site Manager Trained

Professional Summary

Mr. Johnson has more than 15 years of experience in Construction Inspection of Highways and Bridges, as well as experienced in performing Bridge Inspections for NYSDOT. He has served as an Assistant Team Leader for four years independently and two years as a Trainee. He has operated NYSDOT's Global Positioning System (GPS) to map and chart bridges for input into the NYSDOT Bridge Inspection Information System. He was also a part of one of the first teams to learn and operate the NYSDOT's Bridge Inspection Program and Pen Interface (BIPPI). He electronically filed bridge reports, attended nysdot meetings, conferences and courses on bridge and highway construction and inspection.

Selected Experience

Techno Consult Inc., Princeton, NJ, PANYNJ, LaGuardia Airport Redevelopment Program. Senior inspector. The program also includes supporting projects undertaken concurrently, by the Authority, to support the New CTB include: (a) demolition of Hangers 2 and 4; (b) Improvements to the public airport roads (excluding New CTB frontage Roads) and utilities; (c) Construction of new East End Substation (EES) serving the New CTB and terminal C and D; 9d) Construction of airfield modifications to support the New CTB ramp configuration; and (e) Construction of a new East Garage serving Terminals C and D, and a new West Garage serving the New CTB. As a Senior Inspector, duties include: coordinating with the field and the design team to resolve conflicts in the drawings; coordinating with the contractor and the maintain as-built drawings of the work; performing all other inspection and field duties as required by the resident engineer; preparing and maintained daily construction inspection and activities reports.

NYSDOT D261997, Bridge Parapet Rehabilitation, Nassau County, New York, New York. Construction inspector. Worked on overseeing the replacement of bridge parapets identified by biennial and interim bridge inspections. The repairs included but were not limited to the replacement of parapet stone masonry walls, which included, scaffolding construction, rebar and dowel placement with ashlar stone form interior walls, coping stones, expansion joints, sidewalk replacement, curb replacement, asphalt roadway sawcutting and partial replacement, guiderail replacement, pedestrian and approach chainlink fence replacement; anti-graffiti spraying and construction support with WZTC inspection.

NYSDOT D261971, D261696, Bridge Rehabilitation, New York, New York. NYSDOT D262044, Sprain Brook Parkway over Route 119, Westchester County, New York. Construction inspector. Worked on overseeing the repair of the deficiencies of bridge components identified by biennial and interim bridge inspections. The repairs included but were not limited to the replacement of expansion joints, retrofitting of web over bearing areas by adding steel angles and plates bolted to the web to counter the effect of web crippling. Scour and undermining repairs under abutments and piers, and bridge replacement inspection including sub and superstructure replacement inspections and construction support inspection.

NYSDOT D262210, Route 9A Westside Highway Emergency Repairs. New York, New York. Construction inspector. Worked on emergency repairs and construction permit work on Route 9A. Duties included identifying structurally deficient highway components for emergency repairs and replacement. Inspected highway components including 15" thick concrete roadway, asphalt pavements, cast iron bollards, traffic signs and signal's footing, concrete barriers, curbs consisting of granite, steel face, and concrete, as well as sidewalks, guard rails, pipe rail fences, fire hydrants, concrete filled fenders, water mains including concrete access chambers, roadway striping, work zone traffic control (WZTC), and the interpretation and communication of construction plans and work orders. Specific duties included ensuring contractor build structures according to contract and emergency repair plans, addendums and safety procedures, along with proper and safe engineering practices. Other responsibilities included inspection and testing of materials (i.e. concrete delivered for construction to work site), as well as office work, including but not limited to the preparation of "daily work reports", sketching and photographing before and after field construction conditions, and creations of current and future "work orders."

NYSDOT D030508, Williamsburg Biennial Bridge Inspection. New York, New York. ATL – inspector. Served as an assistant team leader on the Williamsburg Bridge Biennial Inspection Project. Duties included bridge inspections of roadways, towers, chords, diagonals, verticals, gusset plates, cables and suspension cables. Conducted inspection for missing rivets and bolts. Inspected the bridge with harness and lanyards and monitored expanding and contracting and main load carrying components of the bridge. Provided calculations and measurements for section loss using calipers and other engineering tools. Data was inputted in BIPPI from the field and office.

NYSDOT, Reconstruction of Robert Moses Causeway Bridge. Construction inspector. Supervised bridge rehabilitation and reconstruction for the Robert Moses Causeway Bridge. Responsibilities consisted of super and substructure reconstruction inspection. Inspection Duties include; bridge deck, concrete repairs, steel repairs, guide rail, mill and fill and maintenance and protection of traffic. Compiled and submitted a work log and bridge rehabilitation progress report on a daily basis.

Michael Blackwell

CIVIL INSPECTOR

Firm: Techno
Years' Experience: 25+

Education:
BS, Mechanical Engineering

Registration/Certifications:
OSHA 10 Hour & 30 Hour Training
Scaffolding Certificate - 4 Hour

Professional Summary

Mr. Blackwell is an MEP Inspector with more than 25 years' of experience. He has worked on various projects with many public agencies. He is experienced with HVAC systems inspections, LEED projects, MEP coordination, plumbing and electrical systems.

Selected Experience

New York State University Construction Fund. Duties include review, inspection and (static and dynamic) testing of HVAC, Plumbing, Electrical and Mechanical Systems for the new Computer Science Building being constructed on the campus of Stony Brook University, New York. Additional duties include review of RFI's. Payment requisition, subcontractor review for approval, negotiating change orders, conduct project and coordination meetings and representing the owner/client. The cost of construction is $35 million.

National Park Service, New Building Project, Construction Manager - National Park Service. Assigned to represent the National Park Service to monitor the construction and renovation of the Immigration Building, Ellis Island, New York. Responsibilities include maintaining quality control, estimating, negotiating change orders, conducting project meetings and coordinating work with the contractors. The cost of construction was $5.6 million. This is a LEED project substantial completed in February, 2012.

NYC School Construction Authority. Assigned as the project officer for the new construction of The Early Childhood Center (ECC361) located in the Bronx, New York. Assisting in close-out for the project. Additional responsibilities included negotiating change orders, conducting project meetings, ensuring quality control and assurance for construction regarding mechanical, electrical, HVAC and plumbing systems. This facility was designed as a "LEEDS" project in conjunction with the "Green" requirements for energy and environmental standards. Substantial completion for this project was September 8, 2010. Final close-out was completed for May of 2011.

The construction of a 2.5 million Community Health Center in Port Richmond, Staten Island. Responsible for acting as the Owner's Representative, reviewing contract agreements, negotiating change orders, conducting inspections, ensuring that construction met the standards as prescribed by The New York State Department of Health. Design features included construction of medical examination suites, HVAC and electrical upgrades, plumbing and structural renovations to the existing building. The client was The New York City Health & Hospitals Corporation.

The construction of new Church located in Brooklyn, New York. Responsible for acting on the behalf of Paradise Construction Company for the construction of new church located in Brooklyn, New York. Duties include project administration, supervision, buy-outs, and meetings

with the Owner/Architect/Engineers, estimating and negotiating change orders. Project cost is $ 11 million.

The Cannon Design Group/Signal Construction. Duties included inspection of existing mechanical, electrical and plumbing systems for The Roosevelt Union Free School District, Roosevelt, New York. Prepared reports, cost estimates and evaluations. Monitored and inspected installation of mechanical equipment (heating, ventilation and air conditioning) within the district's five schools. Review contract documents for construction, conformance and design. Solicited and qualified bids submitted by mechanical contractors. Attended school board and community meetings. Prepared monthly reports.

William Grooms

CONSTRUCTION MANAGER

Firm: JCMS	**Education:**	**Registration/Certifications:**
Years' Experience: 25+	AS, Architecture/Construction Technology	See below

Registrations/Certifications

ACI Concrete Construction Special Inspector - ID# [redacted] Exp. Date: 8.11.2017
NICET Level I Highway Construction License No. [redacted] Exp. Date 05.01.2017
Structural Steel Inspection Steel Structures Technology Center, Inc.
ACI/PCA 318-05 Building Code Seminar
Masonry Training Courses NYC Brickwork Design Center
OSHA HAZWOPER 40 Hour Certified
NYC DOB 16 hr. User Course (Suspended Scaffolding) ID# [redacted]
OSHA Confined Space Entry License No. [redacted]
OSHA 10hr Safety Course ID# [redacted]

Professional Summary

Mr. Grooms is NICET certified inspector with more than 29 years of experience in construction management and inspection. His project experience includes inspections of building projects, environmental projects as well as highway construction. He has also performed technical special inspections as and when the projects required. Mr. Grooms is an experienced project manager and inspector of public works projects and is capable of reviewing NYC Building and Zoning Codes, NYS Building Codes, NYSDOT Specifications, ASTM and ACI codes, and is able to work with MURK record keeping. He is a member of ASTM, ASCET, NICET and ICC. Mr. Grooms' software experience includes several project management applications such as: Primeravera, Constructware, Skire and Ibuild.

Selected Experience

Columbia University - Manhattanville Campus. Project manager for special inspections of construction of new 450,000 square foot Jerome L. Greene Science Building Mr. Grooms' responsibilities were to oversee construction from foundation through superstructure for compliance with NYCDOB 2008 Building Code in compliance with Special Inspection Requirements, review project plans and specifications, review inspection reports, prepare summary reports, non-conformance reports and report findings to client. He also directed a team of up to 18 special inspectors, kept inspection logs and records for client on Skire.

Columbia University – Term Agreement Projects. Project manager. Mr. Grooms was a project manager for special inspection for Columbia University building renovation of various buildings on the Columbia University Campuses (16 locations at this time). His duties were to oversee construction for compliance with NYCDOB 2008 Building Code, compliance with Special Inspection Requirements, review project plans and specifications, review inspection reports, prepare summary reports, non-conformance reports and report findings to client. Supervise special inspection teams.

NYCDDC - New York City Department of Design and Construction projects. Project manager. As project manager Mr. Grooms oversaw major municipal construction projects for compliance

with NYCDOB 2008 Building Code for compliance with Special Inspection Requirements, review project plans and specifications, review inspection reports, prepare summary reports, non-conformance reports and report findings to client. Two of the larger projects were PSAC II in the Bronx and new Police Academy in College Point

QA/QC Supervisor. Mr. Grooms responsibilities were to visit construction sites to verify quality of inspectors work, verify compliance with correct inspection procedures and standards, verify inspection compliance with project plans and specifications, verify inspector documentation of testing results and report findings to testing laboratory director.

DASNY – Term Agreement for Construction Inspection and Materials Testing Services. Construction inspector. Mr. Grooms performed construction inspections and materials testing for concrete, rebar, fireproofing and fire stopping. He led several projects to completion, reported findings to appropriate parties, communicated with on-site personnel to ensure compliance and worked together with various trades.

NYC School Construction Authority, Various Boroughs, Consultant Services for Controlled Inspection. Mr. Grooms responsibilities included performing Controlled Inspection and testing inspections of Concrete placed on-site, rebar, masonry, curtain walls, fire proofing and fire stopping at various project locations, reporting circumstances of field activity to Project officers and maintaining supportive documentation of field activities and Contractor operations.

Domani Consulting, Inc., New York. Director of technical services. Mr. Grooms provided technical assistance to all divisions of CRSG, Inc., conducted special inspections of various buildings during construction, reviewed all construction inspection reports for conformance to plans, specifications and NYC Building Department requirements, provided interpretation of NYC Building and Zoning codes as required. He started vibration monitoring programs for subway tunnels and landmark buildings per NYCTA requirements; NYC regulation 10/88 for landmark buildings, designed and recommended various training programs for technical staff and also created a technical division with 12 inspectors, on 46 projects in various stages of construction and implemented a full record keeping system.

Town of Smithtown, New York. Assistant civil engineer. Duties and Responsibilities: Public works construction project management and inspection (concrete, rebar, fire stops, fire proofing, masonry, soils, curtain walls, piles driven and drilled, excavation, shoring, sheeting, major steel retaining wall w/grouted tie back system, pile design, timber bulkheads, storm water system design and inspection, project design from inception through construction; prepared specifications and bid documents, building inspections, material testing, estimating, environmental projects and waste management groundwater monitoring, methane monitoring/recovery, and landfill construction. Designed and implemented storm water runoff control projects to protect local rivers and Long Island Sound. Reviewed all commercial site plans for compliance with town engineering requirements. Was clerk of the works on landfill capping project and clerk of works for the reconstruction of town swimming pool complex at Smithtown Landing Country Club.

Alexander Jimenez, EIT

CIVIL ENGINEER

Firm: JCMS	**Education:**	**Registration/Certifications:**
Years' Experience: 12+	BS, Civil Engineering	See below

Registrations/Certifications

EIT Florida Board of Engineering, since April 2005 Florida Board of Engineering
ACI -1 Field testing technician
ACI - 2 Concrete Construction Special Inspector
ICC Structural Steel and Bolting Special Inspector
OSHA. – 10 Hrs. Construction Safety and Health
ICC Structural Masonry Special Inspector
4 Hrs Scaffold

Professional Summary

Mr. Jimenez is certified Structural Steel and Bolting Special Inspector and has more than 12 years of experience in civil engineering, construction inspection, and management. On a daily basis, he has inspected various facets of work on construction sites and monitored construction activities to ensure compliance with all applicable codes, standards, and specifications. He is very proficient in reading and interpreting plans, specifications, and shop drawings. He is an experienced construction management professional with experience in construction of buildings, foundation rebar, concrete, steel bolting, steel erection, and masonry. He is well versed in computers and various software programs in MS Windows environment.

Selected Experience

WSP USA Corp. Structural engineer/structural field inspector. Structural inspector for high rise building construction. Deep foundation systems and superstructure.

Universal Testing Lab, Queens, New York. Special inspector, ICC. Inspector on construction of buildings, foundation rebar, concrete, steel bolting, steel erection, masonry, fire proofing and fire stopping by NYC SCA, DASNY. Provide inspection (building structures, facades, roofing, structural rehabilitation, concrete etc.) of all work in place. Review and approve construction check-off lists to insure that work performed is in accordance with the contract specifications and applicable codes.

City Wide Testing Lab. Queens, New York. Construction inspector. TR 1 Inspector on construction of buildings from shoring, foundation rebar, concrete, Steel bolting, steel erection, masonry, mechanical ventilation, fire proofing and fire stopping.

Approved Testing Lab. Queens, New York. Construction inspector. Supervised and inspected construction works on different size of buildings. Steel, masonry, concrete and fireproofing inspection.

Ceron Associates. Newark, New Jersey. Estimator. Prepared construction quantities and pricing for commercial projects, including material and labor (union, no union) by a general contractor company, with value around $ 5 million. Oversaw project budget, and schedule for a building, with a value of $2.2 million.

Jorge T. Lozano University. Bogotá, Columbia. Chief engineer. Supervised construction of three buildings, one 8-story metallic structures for classroom and two concrete structure classroom spaces and one combination library/gymnasium, with a total area of 150,000 sf and value of approximately $20 million. Designed, scheduled, and inspected maintenance work, with a value of 1.3 million for each year. Designed, scheduled, and inspected electric, hydraulic, and gas network changes with a value of $2 million.

Ketul Gandhi

COST ESTIMATOR

Firm: JCMS
Years' Experience: 5

Education:
MS - Construction Management
BE - Civil Engineer

Research Assistantship

Registration/Certifications:
OSHA 30 hours
NJ TRANSIT Construction Management

Professional Summary

Mr. Gandhi has more than five years of experience working with USMA (U.S. Military Academy), PANYNJ, NYCSCA (New York School Construction Authority), NAVFAC (Naval Air Base), GSA (General Service Administration), NYC Housing Authority as estimator, project scheduler, and project engineer and involved in a variety of projects that include infrastructure, industrial, institutional, commercial and residential building projects. He prepared change order, negotiated with clients, implemented activities related to change order without delaying/disturbing any existing activities. Mr. Gandhi has expertise in preparing quantity take-off and costing of projects including vendor verification of costs for specialty items. He has a keen understanding of market prices of material and equipment as it relates to various types of projects. His software skills include Win Estimator software, OST (On-Screen Takeoff), Primavera Project Planner P5 & P6 and Microsoft Project in addition to AutoCAD and MS Office products such as Word, Excel etc.

Selected Experience

PANYNJ - Newark Aviation Fuel System Modification, Newark, New Jersey. Cost estimator. The $90 million Newark Liberty International Airport Fuel Systems Modifications project will install nearly 30,000 linear feet of underground double walled aviation fuel piping. The project will also add two new 47,600 bbl above ground tanks, two new truck fueling racks, a contact water treatment facility, fuel selection area manifold, modifications to four pump stations including new PLCs and controls. Mr. Gandhi is responsible for providing cost estimating services.

MTA- Penn Station Visioning Study, New York, New York. Cost estimator. The Penn Station Visioning Study is a "blank slate" planning study intended to optimize customer circulation and way finding, customer service amenities and station real estate utilization through 2035. The study is also tasked with creating a street presence for the station and a unifying vision for the station's three railroads. His responsibilities include performing construction cost analyses to score the different concepts.

TBTA - Substructure and Underwater Work at the Marine Parkway Bridge, New York, New York. Cost estimator. The project consists of detailed design services and supporting design services during construction for the scour protection restoration at Piers #2 (7) through #11 (18); rehabilitation of damaged bridge pier protection steel plates, rehabilitation of unsound concrete on all substructure elements such as North and South abutments, pier caps and pier stems above high water, within the tidal zone and underwater, and upgrade of the ancillary electrical system at the Marine Parkway Bridge. Mr. Gandhi is responsible for reviewing the

detailed Construction Cost Estimate to ensure that the cost estimate reflects all the final revisions and comments incorporated in the 100% design document.

LIRR - Jamaica Stations Expansion Project, New York, New York. Cost estimator. The "Jamaica Capacity Improvements – Phase I Design" provides the Cross-Borough Scoot and the infrastructure improvements needed to increase capacity required for ESA operations. The creation of Platform F will permit the separation of Brooklyn service from the main station platforms to accommodate the projected needs of ESA. Phase I will also include modification of the existing microprocessor-based signal system, with respect to added switches and other modifications required for Phase I construction. Mr. Gandhi is responsible for providing estimating services at 30, 60, 90 and 100 percent.

NJ Transit - Newark Penn Station Raymond Plaza East Architectural Improvements, Newark, New Jersey. Cost estimator. The project consists of removal of existing ADA ramp, construction of new ADA ramp, glass canopy with structural steel-concrete footing, new screen wall, new concrete sidewalk, electrical modification including new light fixtures. Mr. Gandhi has provided estimating services at 30 and 90 percent.

NJ Transit Sandy Recovery: Initial Flood Assessment and Initial Near-Term Recommendations. Worked with PB World and Tran Systems in developing cost estimate for identified portions of NJ transit system which requires "near-term" flood mitigation and resiliency measures based on interim draft report. Estimate includes cost for Flood Mitigation, Backup Generator & Electrical hook-up-conduits-wire-transfer switch, Sump Pump, Trash Pump, On call implementation cost for contractor before and after storm for NJ Transit facility: Newark Penn Station, Secaucus junction, NLR Bloomfield Station, NLR Broad Street Station.

NJ Turnpike Authority- Garden State Parkway Miscellaneous Repairs. Worked with Tran Systems in developing cost estimates for Substructure (Abutment & Pier-Under Water & above Grade) located at Swimming River, Matawan Creek, Cheesequake Creek. Estimate included cost for Substructure Concrete Spalled repair, Bridge repair, Concrete Collar installation-Underwater, Embankment-Slope protection, Membrane Waterproofing.

Amtrak/NJ Transit - Portal Bridge Capacity Enhancement – North River Bridge, New Jersey. The $1 billion project is to replace the existing Yr-1910 built, swing span structure bridge with a new 3-span network tied arch bridge to ensure uninterrupted NE Corridor service as well as navigation through Hackensack river. Mr. Gandhi was responsible for quantity take-off thru 100 percent CD drawings. Performed take-off for Structural and Reinforcement Steel, Concrete for following bridges and retaining wall:

- Tracks 2 and 3 over Newark-Jersey City Turnpike
- Tracks 2 and 3 over West Lagoon and Belleville Turnpike
- Duck under Structure carrying Tracks 2 and 3 over future Track 4
- West Approach Spans (carrying Tracks 2 and 3) to the River Bridge
- Tracks 2 and 3 over the Hackensack River (River Bridge)
- East Approach Spans (carrying Tracks A, 2 and 3) to the River Bridge and over Norfolk Southern.

Kevin Meehan

SENIOR COST ESTIMATOR

Firm: JCMS
Years' Experience: 14+

Education:
BS, Civil and Environmental Engineering

Professional Summary

Mr. Meehan has more than 14 years of experience in the field of construction cost estimating. His diverse experience comprises a wide variety of projects that includes estimation of transit / industrial / commercial/ institutional/ high-rise / educational, etc. Mr. Meehan has been responsible for developing budgetary and final construction cost estimates, contract pricing and change orders, contract negotiations, interface and coordination with contractors, owners and A/E consultants on project issues, assisting owners on construction phasing and scheduling, coordinating with the A/E of record regarding change orders, interpretation of contract documents, submittal and approvals and related technical matters, review of contractors claims of disputed work, providing detailed takeoff and pricing for sitework, foundations and recommending appropriate action to owner.

Selected Experience

NJ Transit - Sandy Recovery and Long Term Flood Mitigation and Resiliency. Secaucus Junction and Newark Penn Station. Flood barriers, electrical redundancy, Sandy repairs.

The Secaucus Junction Platform Extensions. Project is a $1.5 million effort to extend two island platforms an additional 120 feet each on the four tracks NJ Transit Main Line.

NJ Transit - Hoboken Terminal and Yard: Sandy Repairs and Remediation, Flood Mitigation and Resiliency. The project is to restore the terminal and yard operations, while at the same time increasing the system's resiliency - its ability to withstand and recover quickly from future storms. Mr. Meehan is responsible for providing cost estimating services.

Mr. Meehan is responsible for providing cost estimating services on the three above mentioned projects.

PANYNJ – Newark Aviation Fuel System Modification, Newark, New Jersey. The $90 million Newark Liberty International Airport Fuel Systems Modifications project will install nearly 30,000 linear feet of underground double walled aviation fuel piping. The project will also add two new 47,600 bbl above ground tanks, two new truck fueling racks, a contact water treatment facility, fuel selection area manifold, modifications to four pump stations including new PLCs and controls. Mr. Meehan is responsible for providing cost estimating services.

NJ Transit- Sandy Recovery: Initial Flood Assessment. Estimate includes cost for flood mitigation, backup generator and electrical hook-up-conduits-wire-transfer switch, sump pump, trash pump, on call implementation cost for contractor before and after storm for NJ Transit facility: Newark Penn Station, Secaucus junction, NLR Bloomfield Station, NLR Broad St. Station.

NJ Transit - Capital Asset Replacement Program (HBLR &SNLRT), New Jersey. Senior cost estimator. The CARP program consists of projects including Resurfacing of the Plank Interlocking and the Lackawanna Curve, Harborside track replacement, Replacement of light fixtures, the UPS system and fire protection piping at the LRV Maintenance Facility, bollard replacement at the Newport Viaduct and replacement of various equipment and furniture. Mr.

Meehan is responsible for providing capital cost estimates for NJ Transit's Hudson-Bergen Light Rail and River Line system infrastructure and facilities.

CATS Charlotte Area Transit System, Lynx Blue Line Extension. The Charlotte Area Transit System Blue Line Extension is a $1 billion, 9.3 mile extension of the Charlotte, NC light rail system. The extension will service 11 new stations, including seven walk-up stations and four stations with park and ride facilities. Mr. Meehan's responsibility as the Cost Estimation Manager for the Project Management Oversight Contractor (PMOC) team was to perform a Risk Management and Contingency Review related to project cost.

Columbia Pike Streetcar, Arlington County, Virginia. Mr. Meehan was the cost estimating manager for the Hill International Project Management Oversight Contractor contract, which provided a Readiness Review for Entry into Project Development. The Columbia Pike Streetcar project is a 4.93 mile electrically powered modern streetcar system that originates in the Pentagon City area of Arlington County, Virginia and terminates in the Skyline area of Fairfax County, Virginia. $310 Million

NJ Transit TOC - Secaucus Junction Platform Extension. Secaucus, New Jersey. Senior cost estimator. The Secaucus Junction Platform Extensions project is a $1.5 million effort to extend two island platforms an additional 120 feet each on the four track NJ Transit Main Line. Mr. Meehan was responsible for providing cost estimating services.

NJ Transit TOC - Frank R. Lautenberg Station Intermodal Facility - Soil Improvement Contract. Secaucus, New Jersey. Senior cost estimator. The Soil Improvement Contract is a $3.5 million project to improve the bearing capacity of the swamp adjoining the station in order to build a bus station at the facility. Mr. Meehan was responsible for providing cost estimating services.

LIRR - Station Master's Office Renovation. New York, New York. The renovation of Station Master's Office (SMO) on the concourse level of New York's Penn Station was a $2.5 million project to update the nexus of the railroad's station monitoring and information network. Mr. Meehan provided preconstruction management and estimating services.

LIRR - Jamaica Stations Expansion Project. New York, New York. The Jamaica Capacity Improvements – Phase I Design, provides the Cross-Borough Scoot and the infrastructure improvements needed to increase capacity required for ESA operations. Mr. Meehan provided estimating services at 30, 60, 90 and 100 percent.

MNR - Grand Central Terminal Leak Remediation. New York, New York. Grand Central Terminal in midtown Manhattan is planning a $20 million leak remediation project to repair and prevent damage from water intrusion. Mr. Meehan provided preconstruction management and estimating services.

PANYNJ - National September 11th Memorial & Museum, New York, New York. Mr. Meehan provided detailed cost estimates for bid packages relating to the $530 Million museum/memorial portion of the reconstruction of the World Trade Center site. Provided detailed takeoff and pricing for sitework, foundations, super-structure and architectural building elements. Analyzed and tracked cost impact of revisions, changes, addenda, etc. Negotiated contract pricing and change orders with subcontractors and general contractors.

Murali Nambiar

SCHEDULER

Firm: JCMS
Years' Experience: 24+

Education:
BS, Civil Engineering
MBA

Registration/Certifications:
Primavera Certified P6 Trainer
Project Risk Management in Primavera Pertmaster – Oracle University

Professional Summary

Mr. Nambiar is an engineering professional with more than 24 years of experience on diverse construction projects including mass transit, commercial, industrial and institutional buildings, and defense department projects. Areas of experience include project management, construction management and project control providing planning, scheduling, resource/cost control, delay claims analysis and schedule risk analysis on a variety of engineering, procurement and construction projects from bidding to design, construction and closeout. Mr. Nambiar is a Primavera Certified Trainer. He has incorporated change orders with associated logic changes, prepared recovery schedules and performed time impact/delay analysis to determine the impact of changes on project completion.

Selected Experience

NJT / Amtrak - Portal Bridge Capacity Enhancement – North River Bridge, New Jersey (2013-Ongoing) The $1 billion project is to replace the existing Yr-1910 built, swing span structure bridge with a new 3-span network tied arch bridge to ensure uninterrupted NE Corridor service as well as navigation through Hackensack river. Mr. Nambiar developed program master schedule including detailed staging to ensure uninterrupted NE Corridor operations during construction and cut-overs based on 60 percent design documents.

PANYNJ - World Trade Center Transit Hub Project, New York (2012- Ongoing) Mr. Nambiar is responsible for developing and maintaining two master schedules – West Bath Tub & East Bath Tub. Both master schedules are level 5 detailed schedules with over 6,000 activities each.

PANYNJ - PATH Capital Program Management Services (2012) Mr. Nambiar developed integrated resource loaded schedule and optimized resource requirements for proposed $2.5 billion, 10 year capital program projects for PANYNJ's PATH Rail System. Mr. Nambiar's responsibilities included preparation of questionnaire for interviews, understanding the scope, duration and resource requirements.

LIRR Jamaica Capacity Improvement, New York (2013) Mr. Nambiar developed detailed resource loaded schedule for LIRR for construction of new platform at Jamaica and signal and track modifications necessary to connect Long Island with Grand Central in Manhattan.

NJ Transit - The Trans-Hudson Express Tunnel, NJ-NY (2010) The Trans-Hudson Express Tunnel is a railroad tunnel that was to be built under the Hudson River, connecting New Jersey and New York. Mr. Nambiar was involved in the early stages of the project for developing the Master Schedule for the construction phase of the project.

NYCT - Rehabilitation of Culver Line Viaduct, Signal & Communication Upgrades (2010) The project consisted of removing all track, repairing and waterproofing the concrete deck, setting

new low-vibration track in place and installing all-new track drains. The project also comprised of signal and power work to the third rail and communications work. Mr. Nambiar was responsible for developing the resource loaded baseline schedule and performing resource analysis.

MSDC Moynihan Station Phase I, New York (2013 – Ongoing) The $220 million projects will double the width and length of West-end Concourse at the New York Penn Station. Mr. Nambiar developed program master schedule, and resource and cost loaded it to develop budget and annual cashflow. Also, incorporated Amtrak and LIRR force account work in the schedule to develop force-account budget and schedule.

MTA - East Side Access Harold Interlocking VE & Peer Review (2012)

MTA - East Side Access Manhattan Peer Review

Houston Metro North & Southeast Corridor. The $1.6 billion Houston light-rail expansion of North (Red) line by 5.3 miles and Southeast (Purple) line by 6.6 miles is part of Houston's strategic development program. Mr. Nambiar participated in risk workshop; reviewed & ascertained potential schedule impacts; carried out risk analysis; and prepared reports.

SANDAG Mid-Coast Corridor Transit Project, San Diego, CA (2013) The $1.2 billion Mid-Coast Corridor Transit Project proposes to construct an 11-mile line between Downtown and University City, linking the two regions via a light rail. As part of PMOC team member, Mr. P participated in risk workshop; reviewed and ascertained potential schedule impacts; carried out risk analysis; and prepared reports.

LIRR – Power & Track Project Control/ Scheduling Services for LIRR Force Account Projects, New York, NY (2009) Mr. Nambiar provided Project Control/CPM Scheduling services to the Engineering Department at LIRR where he was responsible for power and track projects

MNR – Hudson Line Station, Phase 2C – Tarrytown, New York (2010) The Metro North Line Tarrytown Station Project involves the reconstruction of platforms #2, #3 and #4 and the installation of new overpasses. Mr. Nambiar is responsible for reviewing the contractor prepared CPM Schedule for accuracy and reasonableness of schedule duration, logic and critical path.

DRPA- Ben Franklin Bridge- Deck Truss Rehabilitation, Philadelphia, Pennsylvania (2011) DRPA – Betsy Ross Bridge, Philadelphia, Pennsylvania: Mr. Nambiar is responsible for developing baseline schedules and preparing monthly updates.

NJ Transit – Morrisville Train Storage Yard, Morrisville, New Jersey (2006) The $100 million Phase II work includes expansion of the Morrisville Yard to double train storage capacity, including additional electrified tracks to accommodate 120 rail cars, two elevated inspection tracks in a fully enclosed service & inspection (S&I) facility, a wheel truing facility, and expansion of the crew quarter building and employee parking area. Mr. Nambiar was responsible for reviewing and analyzing contractor's CPM baseline schedule, monthly updates and comment on schedule integrity and progress. He was also responsible for reviewing and analyzing contractor's time impact analysis requesting time extension.

Robert Vincent PE

ENGINEER

Firm: Naik Consulting Group
Years' Experience: 13

Education:
BS, Civil Engineering

Registration/Certifications:
Professional Engineer(NY, NJ)
American Society of Civil Engineers

Professional Summary

Mr. Vincent has 13 years of experience in civil engineering. His experience includes extensive roadway design work for production of contract documents for private clients and public agencies. He is skilled in using AutoCAD Civil 3D Design software, Microstation Inroads, Microsoft Office, Microsoft Project, Horizontal and Vertical Roadway design, design and construction cost estimation, contract plan production, roadway grading, maintenance and protection of traffic (MPT),right of way, access design, earthwork calculations, traffic signal design, and shop drawing review. Mr. Vincent also had the opportunity to direct, schedule, mentor and supervise entry-level junior engineers and share his experience.

Selected Experience

NJTA Improvements to Garden State Parkway Interchanges 41 and 44. Galloway Township, New Jersey. Project engineer with the responsibilities which included the review of grading, horizontal and vertical alignment, utility relocation design, roadside design, construction sequencing, and MPT for multiple phase submissions by the NJTA's design consultant. This design project was prepared and delivered in accordance with the NJTA's Procedures Manual, Design Manual, Road User Cost Manual, Manual for Traffic Control in Work Zones, and Standard and Supplemental Specifications.

NJTA Improvements to Garden State Parkway Interchange 105. Tinton Falls, New Jersey. Project engineer for the widening of the northbound and southbound GSP local roadways to accommodate two deceleration lanes for exiting traffic, construction of a new exit ramp from the southbound local roadway to Wayside Road and construction of a new southbound exit ramp structure over Pink Brook Road and the NJ Transit/Conrail tracks in the Borough of Tinton Falls, Monmouth County, NJ. His responsibilities included the review of grading, horizontal and vertical alignment, utility relocation design, roadside design, construction sequencing, and MPT for multiple phase submissions by the NJTA's design consultant. This design project was prepared and delivered in accordance with the NJTA's procedures manual, design manual, road user cost manual, manual for traffic control in work zones, and standard and supplemental specifications.

NJTA Improvements to Garden State Parkway Interchanges 9,10,&11. Middle Township, New Jersey. Project engineer with the responsibilities which included the review of grading, horizontal and vertical alignment, utility relocation design, roadside design, construction sequencing, and MPT for multiple phase submissions by the NJTA's design consultant. This design project was prepared and delivered in accordance with the NJTA's procedures manual, design manual, road user cost manual, manual for traffic control in work zones, and standard and supplemental specifications.

NJTA Garden State Parkway Milepost 83 to Milepost 100 Shoulder Widening Program. Various Locations, New Jersey. Project engineer responsible for the review of grading, horizontal and vertical alignment, utility relocation design, roadside design, construction sequencing, and MPT for multiple phase submissions by the NJTA's design consultant. This design project was prepared and delivered in accordance with the NJTA's procedures manual, design manual, road user cost manual, manual for traffic control in work zones, and standard and supplemental specifications.

NJTA Garden State Parkway Milepost 30 to Milepost 63 Widening Program. Various Locations, New Jersey. Project engineer responsible for the review of grading, horizontal and vertical alignment, utility relocation design, roadside design, construction sequencing, and MPT for multiple phase submissions by the NJTA's design consultant. This design project was prepared and delivered in accordance with the NJTA's procedures manual, design manual, road user cost manual, manual for traffic control in work zones, and standard and supplemental specifications.

NJTA Improvements to Garden State Parkway Interchange 163. Paramus Borough, New Jersey. Project engineer responsible for the review of grading, horizontal and vertical alignment, utility relocation design, roadside design, construction sequencing, and MPT for multiple phase submissions by the NJTA's design consultant. This design project was prepared and delivered in accordance with the NJTA's Procedures manual, design manual, road user cost manual, manual for traffic control in work zones, and standard and supplemental specifications.

NJTA Interchange 18W Ramp Improvements. Meadowlands Sports Complex, New Jersey. Design engineer for the final design of the improvements to NJT exit ramps into the sports complex. A two-lane exit ramp separated by concrete median barrier was added to the southbound roadway leading into the complex. Responsibilities included providing direction to two junior-level engineers and one CADD Technician as well as oversight of the production of construction plans, grading plans, profiles, MPT, typical section, cross section, etc.

NJDOT U.S. Route 9 Widening and Improvements. North Bergen, New Jersey. Design engineer for the widening and inter improvements of approximately ¾ mile of US Route 9 in association with the construction of a Walmart retail shopping center. Responsibilities included incorporating improvements required as a result of the shopping center construction into an existing NJDOT construction contract in the immediate vicinity. Extensive coordination with the NJDOT and their consultant was required to achieve project success. Other responsibilities included providing direction to two junior-level engineers as well as oversight of the production of construction plans, grading plans, profiles MPT, typical section, cross section, etc.

Samir Mody PE

ENGINEER

Firm: Naik Consulting Group
Years' Experience: 31

Education:
MS, Civil Engineering
BS, Civil Engineering

Registration/Certifications:
Professional Engineer(NJ, PA, DE)
American Society of Highway Engineers (ASHE)
American Council of Engineering Companies (ACECNJ)

Professional Summary

Mr. Mody possesses more than 31 years of experience in the administration, management, design and construction of complex civil / transportation engineering projects. His technical experience is balanced equally between design and construction during his career while serving both the public and private industries.

Selected Experience

PANYNJ Goethals Bridge Replacement. Elizabeth, New Jersey to Staten Island, New York. Constructability reviewer for the structural design services performed by Naik as part of the replacement of the 80 plus year old Goethals Bridge. Oversaw the structural efforts which included final design for several structures including bridges, retaining walls, deep foundations and substructures for the NY and NJ Approaches. Bridge structures include the Old Place Creek Trestle, a 4-span continuous structure (4x 40 = 160 feet) consisting of prestressed voided slabs, integral abutments, and precast pile caps over steel pipe piles (24 inches in diameter), which forms a portion of the at-grade construction and maintenance access roadway between the NY approach spans and the abutments at the Staten Island Terminus as well as precast modular retaining walls (up to 25' high T-walls, totaling more than 1,000' in length) including those along the approaches to the NY and NJ abutments.

Constructability Consultant Services were performed on several in-house bridge design projects in advance of advertisement to mitigate potential delays and claims during construction. Designs were thoroughly reviewed to address: availability of adequate staging areas; construction staging/sequencing; constructability of MSE walls & foundation systems; utility relocations; location & turning angles of equipment; primavera schedule, and cost estimates reflective of market conditions. 1991-2001**NYSDOT Gowanus Expressway Emergency Repair of Route I-278 Viaduct, Brooklyn, New York, PIN 10 (Bents 54 thru 247). Constructability reviewer** of the rehabilitation of a 3.8-mile elevated section of Interstate 278 in southwest Brooklyn. This project was part of NYSDOT's ongoing Deck Replacement Program for the Gowanus Expressway. The project is a Joint Venture between Bechtel, Chas Sells and URS Corporation. Each firm was assigned a stretch along the Gowanus Expressway designated for deck replacement. Due to the high traffic flow demands on the structure, an elaborate MPT construction sequence was developed which includes five eastbound construction stages and four westbound construction stages. Portions of the deck replacement were designated to be replaced using accelerated concrete in areas near ramps where staging requirements are

typically difficult to implement. ProjectWise software was utilized so that all project team members have instant access via internet to the latest current design drawings. Responsibilities included review of the contract plans and design details for the concrete CIP deck replacement and associated steel repairs through coordination with the joint venture team.

NJDOT Region North Term Agreement (2010-2013) / Region North Deck Replacement term Agreement (2009-2013), Various Locations. Project manager responsible for staffing the project with competent construction engineering inspection (CEI) personnel to provide sufficient coverage of the contractor's work force; oversaw the quality of work provided by the CEI staff; attended job progress meetings; assisted the NJDOT RE with administrative functions, as requested; and prepared monthly invoices, Goal Compliance Forms and other administrative functions, as requested by the Region's consultant coordinator.

NJDOT Route 1&9T (25) St. Paul's Ave. Viaduct & Catenary Tower Construction, Jersey City, New Jersey. Project manager on the replacement of Routes 1&9T St. Paul's Avenue Viaduct, Catenary Tower Construction and the reconstruction of the Tonnele Avenue Circle and Charlotte Avenue in Jersey City. This is a multi-disciplinary project consisting of 11 new bridges, 45 retaining walls, 20 overhead and cantilever sign structures, two catenary structures, MSE wall construction, demolition of existing bridges and walls and miscellaneous structural steel repairs to the Viaduct and Pulaski Skyway. In addition, this contract included the reconstruction of the Tonnele Avenue Circle and Charlotte Avenue, milling, HMA paving, traffic control and safety, extensive utility relocation, traffic signal installation, ITS installation at 19 sites, landscape work and new electrical and communication infrastructure, including point to point wireless antennas (11 locations); travel time systems (seven locations); dynamic message signs (five locations) and CCTV cameras (nine locations), linked to the Statewide Traffic Management Center (STMC). The project was constructed in multiple stages with complex maintenance and protection of traffic (MPT), tight work zones and active traffic on high-volume roadways and railroads.

NJTA Interchange 8, East Windsor Township, Mercer County, New Jersey. Project manager for providing contract administration and management services, including providing appropriate support staffing; regular interface with the Authority's project field liaison engineer; preparing/monitoring project reports, budgets and invoices; attending and recording minutes from pre-construction conference and bi-weekly progress meetings; performing reviews of contractor's master and monthly updated primavera schedules; the construction of a new Milford Road Bridge and a maintenance U- administering the Authority's OCIP program; and reviewing the contractor's RFIs and value engineering requests. This reconstruction project is part of the Authority's Interchange 6-9 Widening Program.

Franco George PE, AVS, CSSM

LEAD ESTIMATOR/ EARNED VALUE SPECIALIST

Firm: JCMS, Inc.
Years' Experience: 30

Education:
MS, Construction Management
BE, Civil Engineering
Postgraduate Diploma, Highway and Transportation Engineering

Registration/Certifications:
Licensed Professional Engineer - State of New York (PE)
Certified Site Safety Manager in the State of New York (CSSM)
Associated Value Specialist (AVS) - Board of SAVE International
NYCDOB Site Safety Manager

Professional Summary

Mr. George has more than 30 years of experience in the field of construction management and project management in various capacities as chief estimator, project officer, construction manager, project manager, project coordinator, and construction engineer. He has a wide variety of experience including developing budgetary and final construction cost estimates, value engineering, contract negotiations, review of design development drawings, management of A/E consultant during design process, interface and coordinate with contractors, owners and A/E consultants on project issues, assisting owners on construction phasing and CPM scheduling using Oracle Primavera, coordinating with A/E for change orders, interpretation of contract documents, submittal and approvals, reviewing contractors' claims of disputed work and recommending appropriate action. Mr. George has also been responsible for developing detailed hard bid cost estimates, reviewing and commenting on contractor prepared CPM schedules and construction delay claims for large and complex projects in metropolitan New York area and for United States Army Corps of Engineers. Mr. George is proficient in the use of Oracle Primavera, Expedition document control software, E=MC2 Estimating software, Timberline Estimating, MS Office Suite and Auto Cad.

Selected Experience

TA PMO Maryland Transit Administration - Department of Transportation, Baltimore Red Line Project, Maryland, Chief Estimator. Cost Estimate of the project is $ 2,575 Million. The Baltimore Red Line is a proposed 14.1mile rail transit line construction that will provide connections between the Woodlawn areas of Baltimore County, West Baltimore communities, downtown Baltimore, Inner Harbor East, Fells Point, Canton, the Johns Hopkins Bayview Medical Center. The proposed Red Line will connect directly to the already existing Light Rail, Metro Subway and MARC Train – making a more comprehensive transit system for public transit users. Mr. George is responsible for developing and updating the capital cost estimate through the Preliminary Engineering and Final Design phases of the project development process. The purpose of documenting the estimating methodology is to assure consistent and uniform estimates; provide tracking of cost estimate revisions; expedient cost estimate adjustments, due to new or revised alternative variations; provide an adequate foundation for

further development of cost estimates in subsequent development phases and facilitate the advancement of the project through FTA's New Starts process

FTA PMO SANDAG Mid-Coast Corridor Transit Project, San Diego, California, Chief Estimator. The $1.2B Mid-Coast Corridor Transit Project proposes to construct an 11-mile line between Downtown and University City, linking the two regions via a light rail. As part of PMOC team member, Mr. George is responsible for developing & updating the capital cost estimate through the Preliminary Engineering and Final Design phases of the project development process.

Port Authority of New York & New Jersey (PANYNJ) - World Trade Center Reconstruction Project, New York, Lead Estimator and Earned Value Specialist. Project Cost $ 4.5 Billion. Responsible for review of design documents for constructability, value engineering, and cost estimations for multiple, multi-million dollar construction work packages including the Memorial, Pavilion, World Trade Center Transportation Hub integrating NY City Subway Lines and PATH subway lines, Performing Arts Center, Landmark Oculus and five high rise office buildings. As Lead Estimator, Mr. George was responsible for estimating cost of various Bid packages and making presentations/recommendations to Port Authority Board; Analyzing contractors estimate for best and final offer; Preparing and negotiating change orders with all contractors; preparing monthly and ad-hoc cost and schedule reports to Port Authority of NY & NJ.

SEPTA - Walnut-Locust Station Rehabilitation, Philadelphia, Pennsylvania, Chief Estimator. Improvements at the station included the rehabilitation and/or replacement of stairs, new elevators and escalators, lighting, passenger facilities, head house rehabilitation, signage/graphics and fare line modifications. All improvements at this station were focused upon providing a fully ADA compliant Key Station facility. Mr. George was responsible for the development of final estimate and work program for the project.

New Jersey Transit - MMC Facility Expansion, Kearny, New Jersey, Senior Estimator. This project involved major additions including a new train washer facility, expansion to several buildings in the complex including the services and inspection building for all levels of inspection of new Comet V coaches, installation of new track, catenary and additional rail vehicle maintenance equipment. Mr. George was responsible for developing project estimate and work program at various stages of the project.

SEPTA - Norristown Transportation Center Intermodal Parking Facility, Norristown, Pennsylvania, Senior Estimator. Mullti-deck, 540 car parking garage and a bus terminal. Mr. George was responsible for construction cost estimate at 50% & 100% design phases and work program.

SEPTA - Warminster Station Parking Lot Expansion and Repair, Warminster, Pennsylvania, Senior Estimator. The project involved expansion of the existing parking lot including new and relocation of existing utility services, street and parking lot lighting, construction of culverts. Mr. George was responsible for developing project estimate and schedule (work program) at various stages of the project.

DRPA-Passenger Loading Bridge Platform, Philadelphia Cruise Terminal, Philadelphia, Pennsylvania. Cruise Ship Terminal with an open air Head house, elevator and escalators. Responsibilities were same as above.

Chris O'Malley PE

ENGINEER

Firm: AELNY
Years' Experience: 20+

Education:
BS, Civil Engineering

Registration/Certifications:
Professional Engineer (NJ, NY, PA)

Professional Summary

Mr. O'Malley is the Vice President and Principal at Atlantic engineering Laboratories, Inc. He supervises technical services; trains field and laboratory stuff; prepares geotechnical and forensic proposals; directs geotechnical and forensic services; and prepares reports. He reviews and certifies test reports; procures equipment and subcontractors; and maintains qualify programming. His recent project includes:

- Madison Square Garden - Manhattan, New York
- Astoria II Power Plant - Astoria Queens, New York
- 250 W 55t11 Street - Manhattan, New York
- DSNY Garage - Drilled Piers and driven piles-load tests on both
- Brooklyn Bridge Park-micropiles and loads

Selected Experience

U.S. Engineering Laboratories, Inc. Division of U.S. Laboratories - Rahway, New Jersey. President – Northeast Region. Mr. O'Malley was responsible for four regional offices in New Jersey and Pennsylvania performing construction materials testing and geotechnical engineering. The work includes annual volume of $8.2 million with 120 employees. He was instrumental in growing annual revenues an average of 30 percent per year. He served as the primary client contact for sales and technical operations in New Jersey. He reviewed, negotiated, and executed all contracts with clients. He managed administrative staff. He also directed sales and marketing efforts; supervised technical services; implemented and maintained active risk management and loss prevention programs; and supervised receivables efforts. From 1994-2000, Mr. O'Malley managed the New Jersey operation of the Northeast Region. The work includes annual volume of $5 million with 70 employees. He served as the client contact for sales and technical operations in New Jersey. He negotiated and reviewed all client contacts. He was responsible for sales and marketing efforts in New Jersey he also served as director of technical services. He interviewed, hired and trained technical and administrative personnel; and performed formal evaluations of all employees. He served as project manager for New Jersey projects and served as radiation safety officer for entire company.

Professional Services Industries, Inc., Edison, New Jersey. Division Manager - Construction Services. Mr. O'Malley established a construction services division office. He was responsible for all facets of the operation including but not limited to; personnel, financial viability, cost control, administration, client relations, and marketing of services. He acted as project manager for all projects and served as radiation safety officer for Edison office.

Professional Services Industries, Inc., Sharon Hill, Pennsylvania. Staff Engineer – Field Quality Control Engineer. Mr. O'Malley served as field quality control engineer on various projects including: high-rise, hospitals, water treatment plants, highways, and schools. He provided

construction inspection and materials testing and inspection of soils, concrete, asphalt, and structural steel.

Jorge Arteaga PE

ENGINEER

Firm: AELNY
Years' Experience: 20+

Education:
BS, Civil Engineering – Structural Engineering

Registration/Certifications:
Professional Engineer (NY, CA)
ICC Structural Steel and Bolting Special Inspector 118107115
ICC Structural Welding Special Inspector
10 Hour OSHA Certification

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Vice president/Field operations manager. Mr. Arteaga supervises special inspectors in the field. He performs post tensioning and pre-stressing inspections; and performs structural stability and structural safety inspections. He served as the technical project manager for NYC Inspection Services; and performs pile driving, mechanical, shoring, welding and bolting inspections. He attends project meetings; and supervises inspection staff and provides employee training. He serves as AELNY project manager on selected projects. Relevant projects:

- Manhattan West Platform
- North Shore Marine Transfer Station - Flushing, NY (Pile Driving)
- Hamilton Avenue Transfer Station - Brooklyn, New York (Pile Driving)
- Mercer County Courthouse - Trenton, New Jersey
- Marlboro Commons Retail Center - Marlboro, New Jersey
- Madison Square Garden, New York, New York
- Metropolitan Museum of Art - New York, New York
- 200 Hudson Street - New York, New York
- 205 Hudson Street - New York, New York
- DSNY Garage - Drilled Piers and driven piles-load test on both
- 170 Broadway – Micropiles

Muss Development, LLC, Forest Hills, New York. Senior project manager. Mr. Arteaga coordinated architectural, structural, MEP, civil, and landscaping drawing for construction. He managed, supervised, and coordinated on-site structural elements. He was responsible for the management and supervision of controlled inspections for concrete, steel, masonry to obtain TCO approval. He managed the building bulletin 2009-014 technical procedure required by NYC DOB; verified and coordinated field conditions and prepared detailed sketches to complete Request for Information (RFI's); and provided on-site visual observation and approval for all construction work to ensure compliance.

Additional Professional Experience

- Desimone Consulting Engineers, PLLC, New York, New York. Structural Engineer
- Galsanz Murray Steficek, LLP, New York, New York. Structural Engineer.

- The Cantor Seinuk Group, P.C., New York, New York. Structural Engineer.
- R & R Engineers, Caracas, Venezuela. Structural Engineer.

Fawzy Salib PE

ENGINEER

Firm: AELNY	**Education:**	**Registration/Certifications:**
Years' Experience: 25+	BS, Mechanical Engineering	Professional Engineer (NY, NJ)

Professional Summary

Mr. Salib has 29 years of experience in project management, construction, engineering design and inspections. He successfully managed multimillion dollar construction projects, including engineering design. He performed more than 15,000 structural, mechanical, and electrical systems engineering inspection for industrial, commercial, and residential projects. He managed and handled the daily affairs of commercial and residential buildings construction including design, cost estimates, biddings, scheduling, purchasing materials, managing contractors and subcontractors and inspections. He performed field inspections for construction of bus depots and subway stations which included new construction and renovations for multimillion dollar projects throughout the five boroughs.

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Professional engineer. Mr. Salib serves as technical project manager for energy code, fire protection and mechanical inspections. He performs energy code sprinkler and mechanical special inspections; performs final and progress inspections; coordinates special inspection services; attends client meetings; and manages specific projects. Representative projects:

- Barclays Arena - New York, New York
- North Shore Marine Transfer Station- Flushing, New York
- Hamilton Avenue Transfer Station - Brooklyn, New York
- Madison Square Garden - New York, New York

Additional Professional Experience

- Alpha Home Inspections Inc., Matawan, New Jersey. President
- FAWKAM Construction, LLC, Matawan, New Jersey. President
- New York City Transit Authority, Brooklyn, New York. Project Engineer
- American Electric Power, Columbus, Ohio. Design Engineer

Mansukh Savalia PE

ENGINEER

Firm: AELNY	**Education:**	**Registration/Certifications:**
Years' Experience: 25+	BS, Civil Engineering	See below
	MS, University (India)	

Registration/Certifications

- Professional Engineer (NY, NJ, PA)
- Licensed Home Inspector
- Certified Municipal Engineer (CME)
- Certified Quality Manager
- Certified SSPC's C3 Supervisor Training for Deleading of Industrial Structures
- Certified Rutgers CAIT Traffic Control Coordinator
- Certified Asphalt Technician
- Certified Concrete Technician
- Certified Laboratory Testing Technician
- Certified Aggregate Testing Technician

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Professional engineer/ project manager. Mr. Savalia performs post tensioning and pre-stressing inspections. He performed pile driving, mechanical, shoring, welding and bolting inspections. He attends project meetings; supervises inspection staff and provides employee training; and serves as AELNY project manager on selected projects.

Additional Professional Experience

- Atlantic Engineering Laboratories. Project Engineer
- Triple B Fabrication. Project Engineer
- McGimpsey & Associates. Structural Engineer
- Savin Engineers. Structural Engineer
- Maitra Associates, PC. Senior Structural Engineer
- Dominick R. Pilla Associates, PC. Structural Engineer
- Tourgee Associates Inc. (TAI). Structural Engineer
- Bay State Design, Inc. Project Engineer
- Hanington Engineering Consultants. Structural Project Engineer
- Paphian Enterprises, Inc. Project Manager
- Port Authority of NY & NJ. Project Engineer
- Atometrics. Project Engineer
- Raytheon/Holmes & Narver (Federal Building JFI< Airport). Senior Civil Engineer
- Port Authority of NY & NJ. Construction Inspector
- Benjamin Moore & Co. Project Engineer
- New York Power Authority. Civil Engineer
- Morrison Knudson Corp. Design Engineer
- Federal Electric Corp. Civil Engineer
- Federal Aviation Administration. Civil Engineer

- JFK International Airport. Civil Engineer
- Newark International Airport. General Engineer

Ramon See PE

ENGINEER

Firm: AELNY	**Education:**	**Registration/Certifications:**
Years' Experience: 20+	BS, Civil Engineering	Professional Engineer (NJ, DE)

Professional Summary

Mr. See is a certified quality control/quality assurance technician. He serves as a structural design engineer. He has experience in Microsoft Office, Internet on screen Take Off, AUTOCAD, Steel CAD, RAM Structure, ENERCAL, and RISA.

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Project/ Structural engineer. Mr. See performs special inspection for post tensioning, pre-stressing, driven piles, drilled piers and structural stability. He performs structural stability and structural safety inspections. He also performs pile driving, mechanical, shoring, welding, and bolting inspections; and special inspection for sprinklers, standpipes, mechanical systems, heating systems, energy code compliance and final inspections. Representative projects:

- 45 East 22"d Street, New York, New York
- 155 West 18th Street, New York, New York

Additional Professional Experience

- Kipcon, Inc. Senior Project Manager
- R.L. Engineering, Inc. Structural Engineer
- U.S. Forensic. Structural Forensic Engineer
- CT. Male Associates, P.C. Structural Engineer
- U.N.I. Engineering, Inc. Structural Engineer
- Structure Studio/NK Architects. Staff Engineer
- Industrial Services Enterprises. Structural Steel Detailer
- Materials Testing Inc. Engineering Technician
- Testwell Craig laboratories Engineering Technician

Hani Wissa

ENGINEER

Firm: AELNY
Years' Experience: 20+

Education:
BS, Mechanical Engineering (Egypt)
Certificate in Semitic Languages and Cultures
Retraining for engineers in building engineering systems: HVAC, Heating Boilers, Fires Safety Systems, Auto CAD 2D, 3D and Revit.

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Professional engineer - mechanical. Mr. Wissa performs special inspection for mechanical and fire sprinkler systems according to NYC Building Code, hydrostatic pressure testing for primary and secondary condenser water loops, fuel tanks, stand pipes and fire sprinkler systems. He works with the inspection of pneumatic pre-action sprinkler systems, emergency light testing, and recording of progress inspection reports.

Vlaams Patat Pasje Amsterdam, Holland. Operations supervisor. Mr. Wissa worked with inventory and supplies requirements; quality control evaluations; customer service resolution; and shift schedules and personnel supervision.

Cefeteria Triumph Amsterdam, Holland. Shift leader. Mr. Wissa provided supervision of crew; scheduling of personnel and human resource management; and overview of supplies inventory.

Fabulous Textile Factory Cairo, Egypt. Maintenance engineer. Mr. Wissa worked with preventive maintenance of textile and sewing machines; performed estimates and ordered spare and replacement parts for machines; and managed maintenance crew (technicians).

Maher Awad

CONCRETE INSPECTOR

Firm: AELNY
Years' Experience: 15+

Education:
BS, Mathematics

Registration/Certifications:
Troxler Electronic Laboratories Certified Nuclear Gauge Operator
ACI Certified Grade I Concrete Testing Technician
NIDCA Cel1ified - Concrete Placement & Reinforced Concrete Special Inspector

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Senior Inspector. Mr. Awad is responsible for performing field inspection and testing of footing bottoms, earthwork, reinforcing steel, concrete (field and plant) and masonry systems on a wide array of construction projects. Representative projects:

- The Whitney Museum, New York, New York
- BJ's Canarsie Plaza, Brooklyn, New York
- NJPHEAl – West Trenton, New Jersey
- Target Store, Union, New Jersey
- KTR 800,000 sf Warehouse Washington Township, New Jersey
- Wesley Grove, Asbury Park, New Jersey

U.S. Engineering Laboratories, Inc. Senior Inspector. Mr. Awad was responsible for performing field inspection and testing of footing bottoms, earthwork, reinforcing steel, concrete (field and plant) and masonry systems on a wide array of construction projects. Representative projects:

- Lucent Technologies, Allentown, Pennsylvania
- New Middle School, New City, New Jersey

Roberto Benitez-Villalta

INSPECTOR

Firm: AELNY	**Education:**	**Registration/Certifications:**
Years' Experience: 10+	BS, Mathematics	See below.

Registration/Certifications

- ACI Associate Concrete Construction Special Inspector - ACI#: [redacted]
- ACI Concrete Strength Testing Technician - ACI#: [redacted]
- ACI Concrete Field Testing Technician - Grade I - ACI#: [redacted]
- Hercules Cement School Mix Design Technology
- TSC Certified - NYC DOB 16 hr Scaffolding
- ACI Seminar for Cold Weather Concrete
- ACI Seminar for Hot Weather Concrete
- ACI Seminar for Concrete Permeability
- Norlite Workshop for Structural Lightweight Concrete
- ICC Certified Structural Steel and Bolting Special Inspector

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Senior Inspector. Mr. Benitez-Villalta is responsible for performing field inspection and testing of pile driving, and drilled piers. He performs inspection of reinforcing steel and concrete placement. He also performs tensile testing of embedded anchors, concrete and asphalt core drilling, Windsor probe and Swiss hammer testing. Representative projects:

- DSNY Garage - New York, New York
- 500 Hamilton Avenue - Brooklyn, New York
- North Shore Marine Transfer Station - Queens, New York

Ralph Clayton & Son, Northern, New Jersey. Quality Control/Quality Assurance Manager. Mr. Benitez-Villalta worked with the creation of concrete mix designs. He managed all NY/NJ Port Authority and DOT projects. He tested all raw material used in design mixes; all cementicious material used in design mix; and all admixtures used in mix designs. He oversaw all QA/QC operations in the field as well as in the plant.

Loizeaux Builders Supply, Elizabeth, New Jersey. Quality Control/Quality Assurance Manager. Mr. Benitez-Villalta worked with the creation of concrete mix designs. He managed all NY/NJ Port Authority and DOT projects. He oversaw all QA/QC operations in the field as well as in the plant.

Sherif Elsabaawi

CONCRETE INSPECTOR

Firm: AELNY

Years' Experience: 15+

Registration/Certifications

- ACI Certified Level 1 Concrete Field Testing Technician
- ACI Certified Concrete Construction Special Inspector
- NJDCA Certified Concrete Placement Special Inspector
- NJDCA Certified Reinforced Concrete Special Inspector

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Inspector. Mr. Mosaad is responsible for performing field inspection and quality control testing of concrete perform slump, air and temperature tests on fresh concrete. Fabricate test cylinders. He inspected reinforcing steel for conformance to approved project and shop drawings. Inspect footing subgrades using penetrometer. He tested soil density and moisture using a nuclear densometer; and prepared technical reports.

International Embroidery Center, Alex, Egypt. General Manager. Mr. Elsabaawi worked with Payroll, taxation, annual budgeting, sales management, and accounting. He purchased ray materials and machinery parts from overseas suppliers.

Naiem Mosaad

CONCRETE INSPECTOR

Firm: AELNY

Years' Experience: 15+

Registration/Certifications

- ACI Certified Field Concrete Inspector Grade I
- ACI Certified Concrete Construction Inspector
- 10 HR OSHA Certification
- Troxler Electronic Laboratory Certified Nuclear Gauge Operator

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Field Inspector. Mr. Elsabaawi is responsible for performing field inspection and quality control testing of concrete, performing slump, air and temperature tests on fresh concrete. He fabricated test cylinders; tested soil density and moisture using nuclear densometer; and prepares technical reports. Representative projects:

- The Beacon - Jersey City, New Jersey
- Jersey City DPW - Jersey City, New Jersey
- New Parking Garage - Elizabeth, New Jersey
- Wakefern Foods - Keasbey, New Jersey

Nacamuli Associates, Elizabeth, New Jersey. Inspector. Mr. Mosaad was responsible for conformance of all structural and foundation work with contract documents. He performed inspection for concrete placement and reinforcing steel for high rise buildings. He inspected CMU walls, monitored preparation of sub grade to receive slab.

Raul Mora

CONCRETE INSPECTOR

Firm: AELNY

Years' Experience: 8

Registration/Certifications

- Troxler Electronic Laboratories Certified Nuclear Gauge Operator
- ACI Certified Level 1 Concrete Placement Inspector
- NJDCA Certified Concrete Placement Inspector

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Inspector. Mr. Mora is responsible for performing field inspection and quality control testing of concrete perform slump, air, temperature tests on fresh concrete. He fabricated test cylinders. He inspected reinforcing steel for conformance to approved project and ship drawings. He inspected footing subgrades using penetrometer. He tested soil density and moisture using a nuclear desometer. He prepared technical reports. Representative projects:

- Cedar Gate, Livingston, New Jersey
- Noecker Elementary School, Rose land, New Jersey
- Alovats, Monroe Township, New Jersey

Samuel Saweeres

CONCRETE INSPECTOR

Firm: AELNY

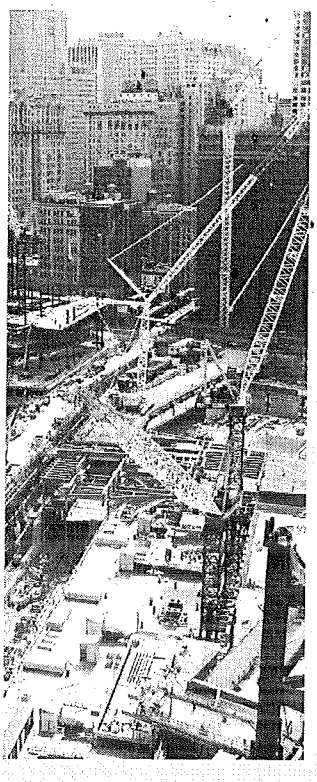
Years' Experience: 8

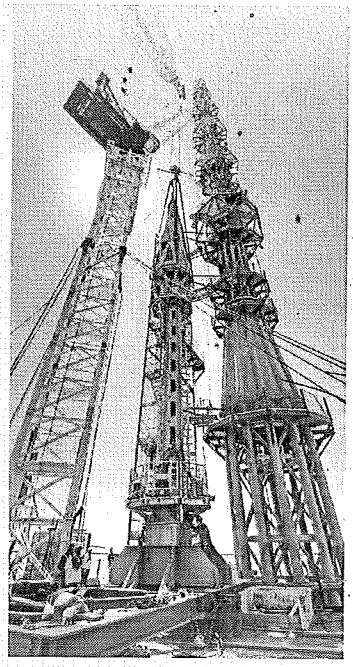
Registration/Certifications

- Troxler Electronic Laboratories Certified Nuclear Gauge Operator
- ACI Certified Concrete Field Testing Inspector
- ACI Associate Concrete Construction Special Inspector

Selected Experience

Atlantic Engineering Laboratories, Inc., Rahway, New Jersey. Inspector. Mr. Saweeres performed various nuclear gauge densities, dynamic cone penetrometer test, compressive and air content test for concrete, soil, rock, and asphalt according to established standards. He worked on geotechnical inspections including pile driving, geo-piers, and caissons.



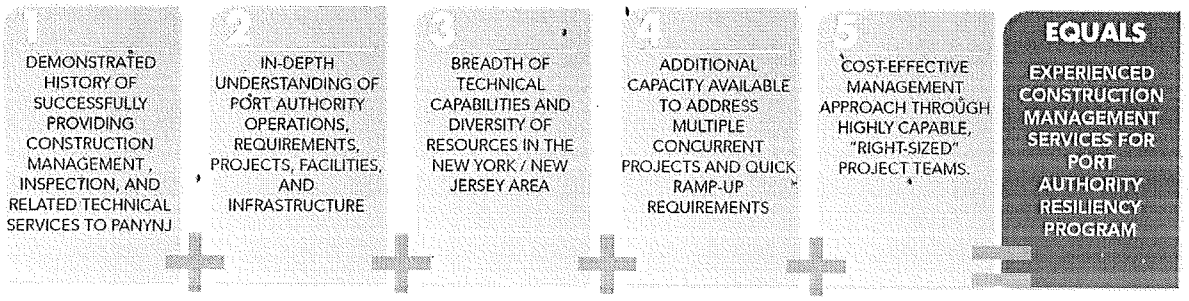


F.

Firm Experience

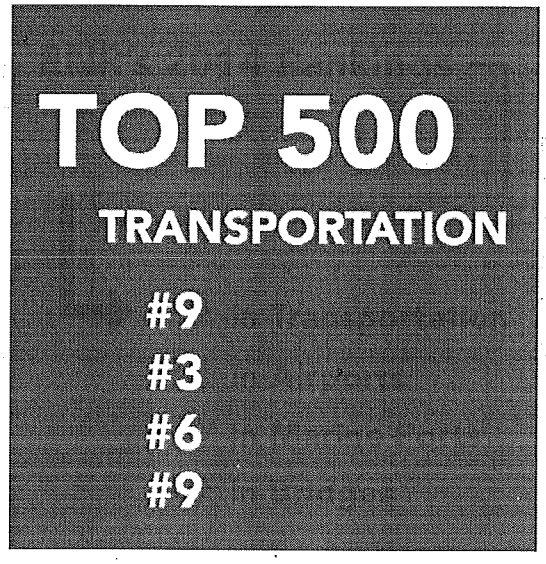
THE LOUIS BERGER TEAM - DELIVERING SERVICE AND VALUE

The Louis Berger Team is qualified to provide program management services to PANYNJ because it offers the following:



INTRODUCTION

Louis Berger is one of the largest multidisciplinary consulting engineering firms in the United States. The firm specializes in the areas of program/ construction management, transportation engineering, facility engineering, environmental studies, and economics. Louis Berger is consistently rated by the *Engineering News-Record (ENR)* as one of the top consulting engineering firms in the nation in several categories.



Louis Berger understands the Port Authority of New York and New Jersey's requirements and procedures, and has demonstrated its ability to meet these requirements and effectively complement these procedures in support of a successful capital program. The breadth of this capital program requires a well-rounded project team. With a resource base of more than 6,000 professionals and affiliate employees, Louis Berger is able to respond to local conditions while providing clients with world-class industry experts.

Louis Berger and its partners offer very capable construction managers and inspectors, almost all of whom have provided services directly to the Port Authority in the past. The depth of this pool of resources allows Louis Berger to put together teams which have the specific skills required for a given project or task; are right-sized to deliver services in a cost-effective manner; and can be immediately mobilized as needed by the Port Authority in support of timely project delivery.

Through construction management and inspection engagements such as the Red Bull Stadium in Harrison, New Jersey and multiple "call-in" IDQ contracts with agencies such as the Port Authority, Louis Berger has successfully demonstrated its ability to lead experienced and qualified teams. Louis Berger has successfully delivered a range of services for these efforts which mirrors the services sought by the Port Authority at this time. Through previous contracts, Louis Berger has provided

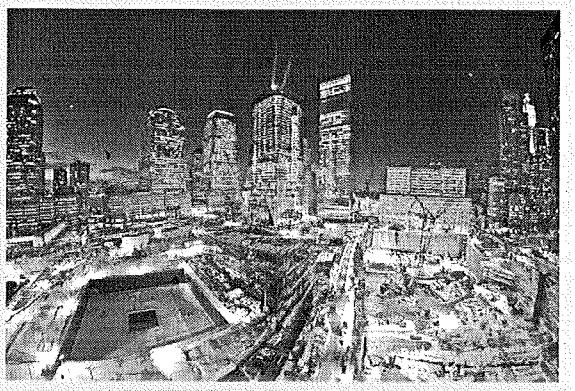
several key construction management professionals on Port Authority assignments including **Ian Baldwin**, construction scheduler serving Tunnels, Bridges, and Terminals Department; **Ken Favaro**, senior inspector serving Ports and Commerce; and **Quinton "David" Hapke** senior civil and environmental inspector serving Stewart Airport.

The team offered by Louis Berger includes these, and other professionals with long-standing relationships with the Port Authority. This is a team that has delivered successful programs for the Port Authority for many years, and we are committed to using this past success as the minimum benchmark against which to measure the quality of these future call-in services.

Louis Berger has engaged the following subconsultants to provide critical resources and assistance for the delivery of services for this agreement:

- Techno Consult, Inc. (Techno)
- Jois Construction Management System, Inc. (JCMS)
- NAIK Consulting Group, PC (NAIK)
- Atlantic Engineering Laboratories of NY, Inc. (AELNY)

Louis Berger understands that a fully integrated team approach and execution is critical, and we have therefore hand-picked this team of firms with whom Louis Berger has successfully collaborated before on similar assignments in the NY/NJ area. Louis Berger is therefore offering not only a deep and well-rounded team, but also one that is already accustomed to operating as a seamless unit to support project success. Both jointly and individually, these team members have a long history of successful engagements with the Port Authority.



"The Louis Berger Group has provided exceptional program management support services that have been critical to the successful $20 billion redevelopment of the World Trade Center site in New York City. This redevelopment effort is one of the largest, most complex and challenging programs in the world and Louis Berger has effectively worked hand-in-hand as a superb consultant to the Port Authority of New York and New Jersey in all phases of the life-cycle development of this highly visible program."

Lucy Foster,

FIRM'S QUALIFICATIONS AND EXPERIENCE

The Louis Berger Team is a uniquely qualified partnership for the performance of services for the Port Authority's IQC proposal request for construction management and inspection services. This partnership provides the following benefits:

- In-depth understanding of the Port Authority: Since the 1980s, Louis Berger has served as program management consultant on several major programs, including Redevelopment of the World Trade Center, Newark Liberty International Airport (EWR), and the George Washington Bridge Bus Station

Redevelopment. Louis Berger was part of the initial team assigned to the World Trade Center "Downtown Restoration Program" that included restoration of Port Authority Trans-Hudson (PATH).

- A successful history of "call-in" engagements with the Port Authority: In addition to the program management oversight contracts, Louis Berger and the members of this team have held on-call contracts with the Authority for construction management and inspection services for several years, and have successfully delivered quality performance on repeated assignments on the full array of facilities and systems managed by the Port Authority.
- Knowledge of Port Authority assets: Through Louis Berger's involvement on multiple "call-in" contracts, the Louis Berger Team has familiarity with a wide range of Authority facilities and systems, as well as a thorough understanding PANYNJ operational and management requirements.
- Extensive history of successful construction management and inspection services: The Louis Berger Team has provided a full array of construction management and inspection services for similar programs nationally and internationally that combine a breadth of technical expertise; design-phase management including constructability studies, document technical reviews, and logistics and staging plans; master project schedule development and analysis; change management, cost engineering, and cost estimating; pre-planned and carefully managed document management; targeted data collection and reporting; site-based quality assurance and special inspections; and meticulous contract administration.

Louis Berger **Louis Berger** is an internationally recognized professional services firm providing program and construction management; engineering; architectural; economic development; environmental science; and planning services, among others. Headquartered in Morristown, New Jersey with offices around the New York metropolitan area, Louis Berger is a devoted and trusted partner to federal, state, and local government agencies, as well as multilateral institutions and the commercial industry. To this diverse client base, Louis Berger brings strategic vision and an entrepreneurial spirit, developing innovative solutions to some of the world's most challenging problems.

Louis Berger and its partners foster collaborative relationships with clients to tackle large-scale, complex, highly visible programs that require significant stakeholder coordination and facilitation. Louis Berger has an extensive portfolio of domestic and international clients for whom it has provided program, project, and construction management; program controls; and a wide array of technical services. The team proposed for this program has provided these services to the Port Authority; New York City Economic Development Corporation; Dormitory Authority of the State of New York; New York Metropolitan Transportation Authority; New York State Department of Transportation; GSA; USACE; Department of

Defense; USPS; Federal Bureau of Prisons; New York City Department of Environmental Protection (NYCDEP); New York City Office of Management and Budget; New York City School Construction Authority; and New York City Department of Education; as well as numerous state departments of transportation, international airport authorities, and city governmental agencies.

Although the World Trade Center Redevelopment program is the most visible of Louis Berger's contracts in New York City, it is just one of its many engagements with New York City and state-based programs. Louis Berger has maintained long-standing relationships with agencies throughout the New York metropolitan area; these engagements include a range of approaches, including:

- The project model, whereby project-specific teams provide a full complement of construction management and inspection for a project or a series of related projects through all phases.
- The embedded staff model, in which Louis Berger provides full-time personnel that execute a specified range of construction management services – including scheduling, cost estimating, constructability reviews, risk management, inspection, staging and coordination – across a broad program for a single or multiple locations.
- The task-focused model, which enables Louis Berger to draw upon its diversity of technical resources to provide issue-specific advice related to the execution of its capital program.

Louis Berger has operated under each of these scenarios for the Port Authority, and our history of successful performance in these areas for the Port Authority is central to this regional experience.

Louis Berger has assembled its highly skilled and experienced team by drawing upon existing professional relationships with firms that share a depth of experience with the Port Authority and add a breadth and depth of expertise that will ensure successful delivery of services for this contract.

TECHNO ENGINEERS & CONSTRUCTION MANAGERS **Techno Consult, Inc. (Techno)**, a certified Minority Business Enterprise (MBE) and Disadvantaged Business Enterprise (DBE) founded in 1998, provides engineering, construction management (CM) and resident engineering inspection (REI) services for clients that include the Port Authority of New York and New Jersey, NYCDEP, the New York City Department of Design and Construction (NYCDDC), and the City of Newark, New Jersey, among numerous others. Techno's principal and associates have proven accomplishments in mass transit, transportation, infrastructure, heavy civil construction, facilities, water and wastewater treatment, and municipal projects for both public agencies and private clients.

The scope of Techno's engineering services includes preliminary and final design, contract document preparation, procurement support, and construction management services. As a reputable full-service provider of comprehensive construction management services, Techno's typical CM services include: project and construction management; program management; construction contract administration and

supervision; construction inspection and quality control services; project controls, scheduling, and cost control; pre-construction planning and post-construction services; and technical support .

JCMS, Inc.

JCMS has been providing program management and project management services to the rail industry for more than 28 years. During this period, JCMS has provided services on more than 200 mass transit projects, ranging in size from $1 million to more than $6 billion. These encompass a wide variety of projects for various transportation agencies such as the Port Authority, Federal Transit Administration (FTA), New York City Transit, Long Island Rail Road (LIRR), Metro-North Railroad, New Jersey Transit, Southeastern Pennsylvania Transportation Authority (SEPTA), Massachusetts Bay Transportation Authority (MBTA), Delaware River Port Authority (DRPA), Port Authority of Allegheny County, and Valley Metro in Phoenix, Arizona.

JCMS's significant strength and experience in all areas of construction project management is complemented by their significant mass transit experience. The firm has rovided construction management and related services on more than 200 infrastructure projects over a period of 28 years, both as prime and subconsultant. The firm has knowledgeable staff with strong transit experience. JCMS has experience in all areas of mass transit construction, including stations, track work, bus and rail maintenance shops, tunnels, bridges and structures, signal and communication, catenary and traction power, right-of-way improvements, and Americans with Disabilities Act accessibility improvements.

JCMS employs more than 85 full time staff in various disciplines. They include cost and scheduling engineers, cost estimators, document control specialists, office engineers, resident engineers, and construction inspectors.

In addition to an extensive inspection staff, JCMS has offers a range of construction management-related services, including quality control, cost estimating, CPM scheduling, document control systems, cost control, and risk analysis.

Naik GROUP

NAIK Consulting Group has a successful history in providing quality construction inspection and administration services for major transportation agencies for complex projects throughout the tri-state area. NAIK is currently providing construction inspection services for ongoing projects with an aggregate value of $500 million.

In performing resident engineering services and construction inspection services, NAIK understands that the construction phase represents the most visible and costly phase in the project delivery process. Proactive construction monitoring is NAIK'S highest priority. NAIK'S inspection personnel are well-trained and well-versed in their project-specific inspection assignments. Their training is regularly supplemented on a broad range of issues including personal and public safety issues on public works projects, as well as the impact and importance of the contractor's timeline and work schedules on a construction project.

During construction of any project, the primary function of the resident engineering and inspection force is to ensure conformance of the workmanship and the materials with the plans and specifications. This includes keeping construction activities on schedule, controlling project cost, minimizing contract change orders through proactive and cooperative interaction with the contractor, attending all progress meetings, and providing close-out services to include preparation of as-built drawings.

NAIK'S highly skilled staff is trained and certified in current construction industry technologies and methodologies. NAIK prides itself in making sure its construction personnel are well prepared and well versed in the latest construction requirements and innovations specializing in OSHA and safety, asphalt, traffic control and safety, and concrete technologies.

Atlantic Engineering Laboratories of NY, Inc. (AELNY), is a full service testing laboratory, inspection agency and geotechnical engineering firm. We provide independent third-party testing and inspection services on projects throughout New York, New Jersey and eastern Pennsylvania. We are capable of providing all required quality control inspections and testing with our own forces.

All of our services are provided under the direction of Mr. Christopher T. O'Malley, P.E. a registered professional Engineer licensed in New Jersey, New York and Pennsylvania. Inspection/testing personnel are cross-trained to provide multiple inspection activities during the course of their visit.

AELNY meets all requirements outlined in the American Society of Testing Material (ASTM) standard E329 "Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials used in Construction". AELNY's laboratory facilities have been inspected by the National Bureau of Standard's Cement and Concrete Reference Laboratory (CCRL). AELNY also voluntarily participates in proficiency sample testing programs offered by CCRL and AMRL.

Collectively, the Louis Berger Team has performed the Port Authority's requested scope of services on hundreds of applicable projects, including extensive experience on major transportation projects and throughout the NY/NJ metropolitan area. This proposal highlights the following projects:

- World Trade Center Reconstruction
- George Washington Bridge Bus Station Modernization
- Performance of Expert Professional Construction Management and Related Technical Services on a "Call-In" Basis for 2011-2014; Purchase Orders #4900007404 through #4900007406

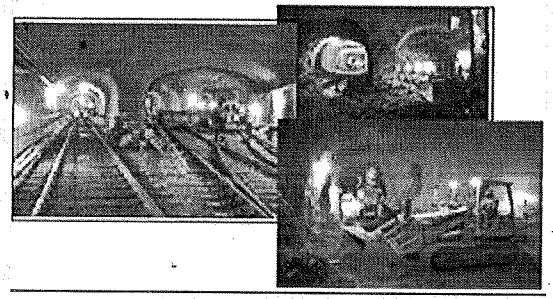
PORT AUTHORITY OF NEW YORK & NEW JERSEY WORLD TRADE CENTER RECONSTRUCTION

PATH: The PATH Commuter Rail System was a key component of the transportation infrastructure of the New York Metropolitan Area, and particularly important to the economy of Lower Manhattan. One of its two terminus points in Lower Manhattan was eliminated by the events of September 11, 2001. In an effort to restore this service, the Authority embarked on an extremely "fast track" program to: construct a Temporary PATH Station at the site of the former World Trade Center (WTC); restore the

two miles of tunnels beneath the Hudson River connecting this terminal with New Jersey; and improve the first station in New Jersey, Exchange Place Station, to operate as an interim terminal and handle the size trains needed to provide the level of service required by this key rail artery.

Louis Berger provided program management support; program and project level cost, schedule and scope control; program definition; management of in-house staff; coordination of PEER review by national rail experts; validation review of the signal technology with heavy rail signal experts; system integration; development of work breakdown and charge code structures; coordination with FEMA, FTA, and other state and federal agencies; program and project level CPM scheduling and earned value analysis; actual expenditure and accruals monitoring and audit; problem resolution analysis; database application development; public relations, including a program animation and public website; management presentation, technical paper, and press release preparation; status/progress report preparation; constructability reviews, including 4D construction schedule analysis; schedule risk analysis; submittal and RFI tracking/monitoring using expedition; electronic records/information management; and implementation of engineering technologies for information management and team communication/collaboration.

Louis Berger also provided diverse management and technical support of concurrent projects involving the WTC site, including: WTC site master planning; Lower Manhattan transportation studies; environmental analysis and documentation; WTC site management (street, sidewalk and pedestrian bridge improvements); and general WTC site works (on-site structural work, slurry wall repair, etc.). Louis Berger Projects at WTC include:



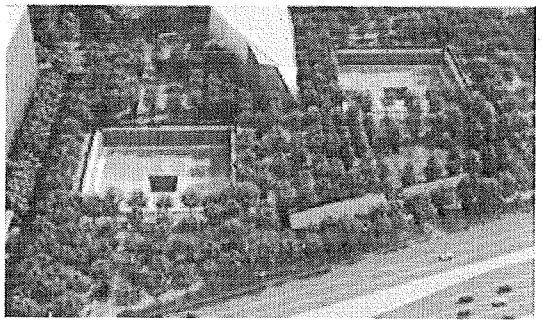
Point of Contact:
Alan Reiss, Deputy Director, WTC Construction
115 Broadway, 10th Floor
New York, NY 10006
212.435.5530
areiss@panynj.gov
Location of Work:
New York, NY

Completed on schedule	✔ Ongoing
Completed within budget	✔ Ongoing

Duration of Contracts:
May 2004 - December 2016
Dates Services Were Performed:
May 2004 - present
Approximate Dollar Amount of Agreements
$128,000,000
Approximate Annual Staff Hours of Full and Part Time Labor Expended in the Performance of the Contract/Agreement
60,000 hours/year
Names of representatives familiar with the work and who the Port Authority may contact:
Alan Reiss, Deputy Director, WTC Construction

Rehabilitation of Tunnels E and F: Due to flooding following the September 11th attacks, the project required the demolition and removal of the entire infrastructure, track work, and systems within the tunnels, as well as the restoration of all cables and wires, tracks, lighting, drainage, fire protection, and signal and communication systems. Nearly 20 miles of cables (including high voltage, traction power, communications, and signal) and more than four miles of track were replaced.

Exchange Place Station Improvements: Project scope included construction of several cross-tunnels to connect the existing five tunnels and allow installation of track crossovers to connect the tracks serving Exchange Place Station and the replacement of an existing signal relay room in the way of the proposed connecting tracks. In addition to the new tunnel crossovers, the Exchange Place Station platforms were lengthened to accommodate 10-car trains, increasing commuter capacity from its previous 8-car train design. Additionally, the station was completely refurbished, including vertical circulation, lighting, wayfaring signage, floors and finishes, and utilities and systems.



Temporary WTC PATH Station: The design and construction of a temporary WTC PATH Station, including a track and platform configuration similar to the former WTC station, was planned to ensure restoration of PATH service to Lower Manhattan within 24 months. The station has a mezzanine (with a fare control area) above the platforms, with stair and elevator access connecting the two levels. From the mezzanine, passengers follow the previous circulation route to escalators, elevators, and stairs which provide access up to street level under a new canopied plaza on the west side of Church Street.

Through an "open-to-air" design with minimal exterior walls, the temporary station was constructed with semi-opaque fabric enclosures to provide protection from both inclement weather and the anticipated construction at the surrounding site.

Ongoing Program and Construction Management: In conjunction with the critical support to the PATH system within the 16-acre World Trade Center site, Louis Berger has been providing program management services for the reconstruction of more than 10 million gross square feet of facilities and transportation infrastructure — one of the largest redevelopment programs and the most visible and politically sensitive construction project in the United States.

Louis Berger has integrated and controlled the schedule, costs, and scope of more than 20 ongoing projects that comprise the $20 billion WTC Redevelopment. Programs within the site include a diverse range of structures including multi-story commercial and retail space, a major transportation hub, a memorial and museum, streets and infrastructure modifications, below-grade vehicle security center, storage, parking, and a central chiller plant. The program is funded by various public and private sources and involves more than 25 federal, state, and local interest groups and stakeholders.

Louis Berger is proud to provide a broad range of construction and program management services, which have been integral to this iconic redevelopment – from constructability reviews and value engineering that reduced cost and construction time to the establishment of a comprehensive and robust integrated master schedule, along with customized management reports and web-based applications, project and program performance measures, and cost control reports.

Louis Berger provides a broad range of internal and external communication services at the WTC site, including: developing and maintaining the website for the program; providing weekly project updates, distributed electronically to senior Port Authority managers and executives; and the development of fact sheets and related technical materials for use internally and for distribution to the media. Louis Berger also provides the photography depicting the program's history and current status. The Louis Berger team successfully works hand-in-hand with the Port Authority's Public Affairs Office on all matters related to this monumental program.

GEORGE WASHINGTON BRIDGE BUS TEMINAL

Louis Berger was selected by the Port Authority of New York and New Jersey as the program manager for the George Washington Bridge Bus Station Redevelopment. The station, originally designed by Pietro Nervi and constructed in the 1950s, now serves 20,000 commuters daily as a connection point for trips from New Jersey to Manhattan. This project is being designed and constructed within the Port Authority-owned facility where the Authority is leasing the space, exclusive of the bus operations, to a private New York City developer. In this public-private partnership, the Port Authority has contracted the developer to modernize the bus station and incorporate a

Point of Contact:
Brian Emch, PE, PMP Manager, Technical and Maintenance Services, Tunnels, Bridges and Terminals
One Madison Avenue
New York, NY 10010
[redacted]

Completed on schedule	✔ Ongoing
Completed within budget	✔ Ongoing

Location of Work:
New York, NY
Duration of Contract:
Three Years (ongoing)
Dates Services Were Performed:
August 2011 - present
Approximate Dollar Amount of Agreement
$4,500,000
Approximate Annual Staff Hours of Full and Part Time Labor Expended in the Performance of the Contract/Agreement
7,700 hours/year
Names of representatives familiar with the work and who the Port Authority may contact:
Brian Emch

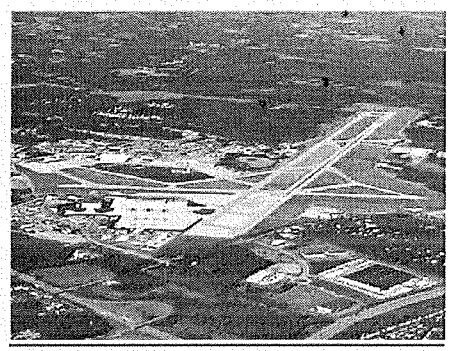
retail shopping complex to serve the local Washington Heights community. The developer is responsible for design and construction of the new bus pavilion and concourse for 30 buses. This new bus platform and pavilion will improve operations and passenger comfort.

Services performed by Louis Berger as program manager include assisting with the program definition, permitting, historic preservation analysis, design management, cost control, scheduling, document control, and project management. Louis Berger is providing program management support to three construction packages for 120,000 square feet of mixed-use multi-story space for Port Authority bus operations and tenant commercial areas. These services also include quality control for compliance with tenant-lease agreement for space and utility allocation, design intent, construction quality, and compliance with NYC Building Code. Construction is being staged and phased to allow for continued operation of the station during construction.

PERFORMANCE OF EXPERT PROFESSIONAL CONSTRUCTION MANAGEMENT AND RELATED TECHNICAL SERVICES ON A "CALL-IN" BASIS FOR 2011-2014; PURCHASE ORDERS #4900007404 THROUGH #4900007406

Louis Berger was awarded a "call-in" contract for construction management and related services for the Port Authority of New York and New Jersey for 2011-2014. Services were provided on a number of projects through this contract. A representative sample of services includes:

Senior Scheduling Services: Louis Berger developed and maintained CPM schedules, including review and approval of contractor schedules for projects including the George



Point of Contact:
Paul Salvatore
Port Authority of New York and New Jersey
Tech Center, 241 Erie Street
Jersey City, NJ
201.595.4892

Completed on schedule ✔ Ongoing
Completed within budget ✔ Ongoing

Location of Work:
Tech Center, Jersey City
Stewart Airport, New Windsor, NY
Brooklyn Marine Terminals

Duration of Contract:
September 8, 2011 – present (~2.75 years)

Dates Services Were Performed:
October 12, 2011 – present (~2.75 years)

Approximate Dollar Amount of Agreement
$2,000,000

Approximate Annual Staff Hours of Full and Part Time Labor Expended in the Performance of the Contract/Agreement
6,000 hours/year

Names of representatives familiar with the work and who the Port Authority may contact:
Patrick Foye, Harry Ammend, Omar Astacio, Ron Gunman, and Andria Giorgia-Bocker

Washington Bridge, Bayonne Bridge, Goethals Bridge, Lincoln Tunnel, Holland Tunnel, LaGuardia Airport (LGA), Newark Liberty International Airport, Port Authority Bus Terminal, and George Washington Bridge Bus Station.

Brooklyn Marine Terminals, Piers 7, 8 & 9B: Louis Berger provided quality assurance and construction management services for multiple marine terminal rehabilitation projects. Services included: ensuring that materials and the contractor's means and methods would result in repairs called for on the contract drawings and specifications; daily job supervision and performance of detailed work inspections resulting in daily job reports; scheduling and witnessing underwater inspections by the Port Authority's Diver/Engineer Contractor; assuring that OSHA safety regulations are being adhered to at all times, including daily review of job conditions, weekly safety/toolbox talks with the Contractor, and scheduling site inspections with Risk Management and Insurance Representatives; attending job meetings to discuss project status, open RFIs, and means and methods to address special situations during construction; and reviewing and approving Contractor's financial documents, including job status reports (monthly percentage completion documents) and monthly payment requests. Projects on which these services were provided by Louis Berger were as follows:

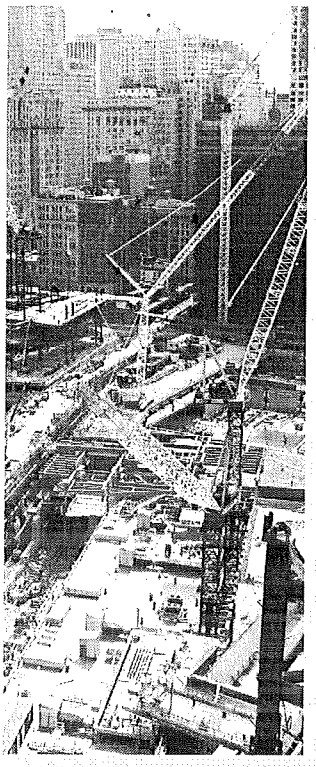
- $2.8 million marine terminal rehabilitation project including 354 pile jacket repairs (of 7 various types) to eliminate further pile deterioration from marine borers; removal and replacement of 650 linear feet of deteriorated steel walers supporting existing steel bulkheads; preparation and welding of 30 large steel plates along the existing bulkheads to prevent upland wash-out; and removal and replacement of the timber fendering pile system in order to replace steel walers. (Contractor: Trevcon Construction Company)
- $2 million marine terminal rehabilitation project including 258 pile jacket repairs (of 16 different types) on the structural piles supporting Piers 9A, 9B and 10; preparation of two steel sheet pile bulkheads (770 linear feet total) and coating of same with marine epoxy; welding 80+ steel repair plates over holes in the bulkheads; and concrete spall repairs on the piers' under-deck structural girders. (Contractor: Coastal Environmental Group)
- $750,000 marine terminal rehabilitation project including the removal and replacement of 800 linear feet of timber fendering systems and the removal and replacement of 1000+ linear feet of pier deck backing log. (Contractor: R.B. Conway).

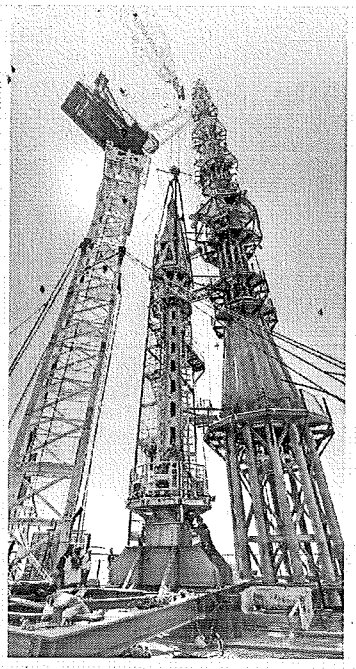
Stewart International Airport, New Windsor, New York: Louis Berger has provided inspection and management services for a variety of construction projects at Stewart International Airport including but not limited to civil, structural, electrical, life safety systems, and tenant alterations on Port Authority property. Louis Berger's on-site representative works closely with the Resident Engineer on submittal reviews and payment applications, as well as all other documentation necessary for successful project performance and closeout. Current projects include but are not limited to:

- Rehabilitation of Weather Instrument Power (WIP) Circuit: Louis Berger was responsible for coordinating with the Stewart Airport Operations group on the issuance of Notices to Airmen (NOTAMs) relative to the work location in critical areas on the airfield. Because the project

required closures of runways and taxiways to facilitate duct bank crossings, the work was compressed into 48 hour schedules to complete the work on each duct. This scope of work also included installation of manholes outside of safety areas but between taxiways and runways.

- Rehabilitation of Taxiway Edge Lighting: Louis Berger coordinated with Airport Operations to manage the closing of numerous crossings and manage the work that was being done on the taxiway edges. Scope of work included circuit shut downs for edge lights, trenching to accommodate new conduits, and new wiring for high efficiency LED edge lights.
- Rehabilitation of Runway 9 Approach Lighting and Cables: In order to maintain Stewart's CAT II airport status, the FAA required an upgrade and insurance of a fully functioning system. Elements of this project included displacing the main runway (9-27), which is 11,817 feet long. Light cans were replaced and new light can locations were cored and installed for conformance to appropriate Advisory Circular requirements. New power lines were fed from the airfield electrical vault and four new manholes were added over the NYC Aqueduct that runs underground, perpendicular to the runway. Timing was also of the essence in this task due to multiple closures to vital areas of the runway.
- Airside Pavement Repairs and Markings: Under this work order Louis Berger oversaw concrete and pavement repairs, landside paving, airside trench drains, airfield restriping, airfield slab repairs, and paving of fuel pad ramp airside.
- Runway Weather Information System: Louis Berger provided inspection services on this project to install all new sensors into the runways at Stewart Airport. Due to the sensitivity of the locations, work was performed at night.
- Terminal Building Roof Replacement: Louis Berger oversaw the removal of the old terminal roof and reinstallation of the new thermoplastic polyolefin (TPO) roof and associated equipment.
- Sewer Rehabilitation Project: 6,000 feet of outdated and damaged clay pipe was replaced by means of pipe bursting. Louis Berger was involved in all phases of this project. The firm inspected the maintenance and protection of traffic daily, as well as the installation of the new HDPE piping.
- Building 2290 Roof Replacement: Louis Berger is overseeing not only the asbestos abatement, but also the new roofing installation for the 40,000 square-foot roof over Building 2290. The flexibility afforded by the qualifications of Louis Berger's on-site inspector allows this inspector to "switch hats" and manage the project from the submittal process to the final closeout for both the construction and environmental fields.





G.

Management Approach

MANAGEMENT APPROACH

CAPABILITY FOR THE WORK

Louis Berger is presently performing or has recently performed on-call construction management and construction inspection services for a number of clients in the NY/NJ metropolitan area, including the Port Authority, the GSA, NP, and USPS. As a result of this experience, the Louis Berger team has a well-established approach for staffing and managing the planning, design, and construction work required for the projects anticipated under this contract. Not only does the Louis Berger team bring a staff with experience and expertise in a broad range of project types, Louis Berger brings well-established procedures and its long track record of successfully delivering projects on time and within budget.

The Port Authority is well aware of Louis Berger's approach to construction management from Louis Berger's multiple engagements supporting the Authority spanning almost decades. This history includes Louis Berger's work at the World Trade Center Reconstruction Program, where the firm has served the Port Authority since the 9/11 attacks. In this capacity, Louis Berger assisted the Port Authority on projects ranging from emergency infrastructure repairs to major station construction to fit-out work at 115 Broadway for the WTC Construction Department. It also includes a series of IQC contracts for the Port Authority with engagements including a variety of full-time construction management services.

For each assignment, it is Louis Berger's intention to maintain quality, schedule, and budget, ensuring first that the plans and specifications reflect the needs of the Port Authority and that the project is, in turn, constructed in accordance with those requirements. The team will again approach projects under this contract with the same level of integrity and unwavering commitment to providing superior services as Louis Berger has always brought to projects for the Port Authority. The project manager, Wayne Valentine, PE, will bring his years of experience with the Port Authority, Red Bull Stadium, and other related construction management engagements. Michael Regan, CCM, will perform the overall quality assurance role, applying years of project leadership experience to ensure that all services meet or exceed the authority's requirements. Both will meet with the field staff on a regular basis to discuss job progress and quality of work, and will assist in the review and approval of the progress schedule.

STAFFING PLAN

The pool of inspectors, managers, and technical experts offered for this program has a diversity of experience that enables Louis Berger to construct project-specific teams based on the nature of each assignment, including type and size of construction, staging complexity, and specialty concerns to include unique systems and security considerations. Louis Berger will assign personnel with experience on Port Authority facilities and with an understanding of the technical challenges associated with each project. The personnel will also bring design and construction expertise in HVAC systems, electrical distribution, plumbing, communication and data systems, fire protection, architectural finishes, door and window systems, and vertical transportation systems.

In response to opportunities issued by the Port Authority, Louis Berger will assemble right-sized teams to fully address the Authority's needs while remaining mindful of the Authority's budget. These teams will be

assembled from the individuals proposed herein, in accordance with Port Authority requirements; on an as-needed basis, Louis Berger also offers the capability to add resources or engage in-house subject-matter experts (SMEs) to address specific Port Authority needs.

CONSULTANT TASKS

Throughout the years, the team has continuously demonstrated the ability to deliver quality CM services to the Port Authority. Louis Berger has provided expert professional assistance for all the tasks listed in this RFP. Capabilities in these areas follow:

Task A - Constructability/Biddability and General Engineering Review

As a consulting engineering and project management company, Louis Berger has performed services for all phases of major transportation and facility projects. Louis Berger has planning, design, program management and construction management staffs that have served the Port Authority and other NY/NJ-based clients for more than 60 years, and therefore have an extensive knowledge of the construction market in this region. The Louis Berger Team leverages this technical and market knowledge to optimize a document technical review process that will focus on a number of critical, high-value areas at key points during the preconstruction phase of each project. Document reviews for constructability, biddability, and general engineering review are best conducted as formal processes, including comment-specific reviews inclusive of the design professionals and key members of the owner's team.

The assigned team professionals bring extensive and diverse experience to this process and have the ability to assess the content of the documents from multiple viewpoints. The team members proposed by Louis Berger represent experience as planners, designers, procurement professionals, field personnel, inspectors, construction managers, facility managers, and owners. The ability to apply these perspectives to a document technical review optimizes the value of these reviews and ultimately reduces change orders, disputes, and project costs. In addition to the added value offered by the diversity of Louis Berger's team, the professionals providing these services know the Port Authority and have the ability to add this perspective to their review, ensuring that all aspects of the project are designed to proceed in accordance with Port Authority requirements.

The Louis Berger Team has previously performed this service for the Port Authority on major projects, including the World Trade Center and at Newark Liberty International Airport, as well as for various NY/NJ agencies. Louis Berger knows the obstacles to construction in the areas where Port Authority projects are executed, as well as the limitations and resources of the local contracting and labor communities.

To ensure that the value of technical reviews – including a focus on constructability, biddability, and general engineering review – is realized, Louis Berger can also organize a backcheck process by which the final disposition of all comments is reviewed and documented. Through this formal backcheck, the Louis Berger team provides additional value and protection to the Port Authority by ensuring that all comments are incorporated and that final contract documents reflect the best outcome from this iterative review and comment process.

- ☑ Breadth of local experience with agencies and operations likely to interface with Port Authority construction projects
- ☑ Diversity of technical disciplines to contribute to staging analysis towards the goal of developing optimal solutions
- ☑ Extensive CM experience on Port Authority and other metro area projects, including knowledge of preferences and requirements of the PANYNJ
- ☑ Globally-developed best practices from complex projects around the world
- ☑ Management experience to coordinate multiple efforts and oversee successful implementation of final staging plans
- ☑ Professional expertise that supports agile management in response to unforeseeable conditions or changing external factors

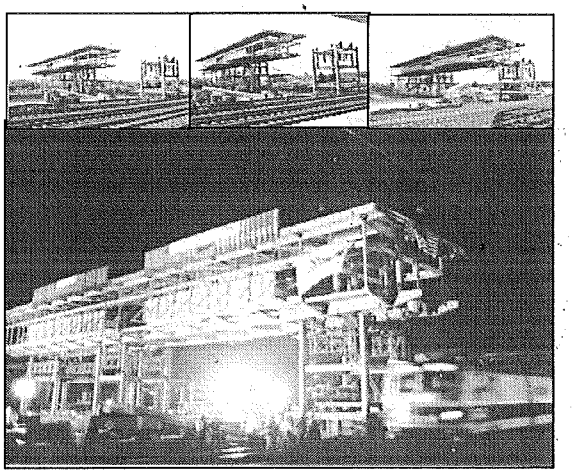
Louis Berger's Benefits of Successfully Developing and Implementing Construction Phasing Plans

Task B - Construction Staging

Louis Berger has been instrumental in providing construction staging plans for many Port Authority projects. This capability has perhaps been best demonstrated at the World Trade Center, when Louis Berger construction managers assisted with the restoration of PATH service and at Newark Airport during construction of the Monorail. The staging required coordination with NJ Transit, NJDOT and the Airport Land/Airside operations. The staging efforts for each of these two endeavors were remarkably complex. Louis Berger helped lead the successful efforts, actively soliciting multiple inputs, requiring open communication, and analyzing multiple scenarios with iterative stakeholder feedback to lead the team to an optimal solution.

In order to assemble an optimal construction staging plan, Louis Berger effectively balances the competing interests of construction progress, internal Port Authority operations, external agency concerns, and public traffic patterns, without compromising on safety for any of these involved parties.

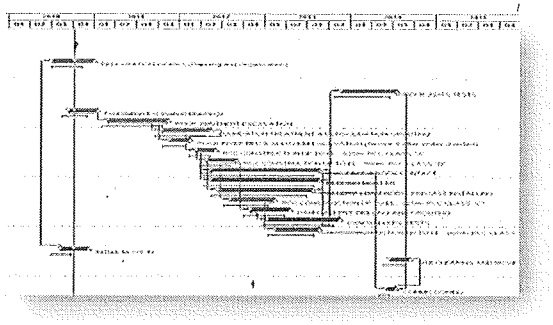
Additional examples where Louis Berger worked collaboratively with Port Authority and contractor staff to develop construction staging plans in challenging environments include the terminal concourse construction adjacent to a new EWR Monorail Station / AMTRAK platform. Louis Berger developed the plan by which the elevated concourse was pushed across the AMTRAK tracks overnight so that service was never in jeopardy. Another example of Louis Berger's ability to realize project value through creative construction staging was the relocation of the original terminal building away from the Runway Object Free Area (ROFA). The current administration building was then established by renovating the relocated structure.



Task C - Schedule Development and Monitoring

The Louis Berger Team has been at the leading edge of the development of project controls for decades. Louis Berger recognizes that a robust and reliable schedule, incorporating multiple inputs corresponding to both internal and external requirements, is the backbone of a successful project controls program. As such, Louis Berger offers a cadre of expert

schedulers with experience on projects including transit, facilities, roads, and bridges. Louis Berger takes a proactive approach to scheduling, identifying and resolving potential issues early and leading the project team in clearing bottlenecks and avoiding obstacles. Louis Berger also incorporates risk management into their scheduling services, developing probabilistic schedule models based on risk analysis conducted collaboratively with the project team. This level of schedule management further supports the early identification of potential delay concerns and creates team-based solutions to support Port Authority schedule goals.



This approach helps the team to develop schedules that can identify issues long before problems arise, so they can be mitigated early. The schedulers are trained and experienced in Primavera P6, including the Cost Module. Louis Berger is capable of building a schedule with resource loading, including cost, labor, materials, and equipment. These schedules will also support earned value analysis, another critical tool that can provide an early indication of potential issues that require attention.

In addition to deploying expert skills and cutting edge tools to manage a project schedule, Louis Berger will also diligently administer the schedule submission and review process to ensure that all Port Authority requirements are being met. Every month, Louis Berger will review the contractor's schedule within 10 days of receipt and either forward to the Port Authority to review or return to the contractor for having failed to meet the contract's criteria. Louis Berger will track this submittal to ensure that the contractor receives comments within 25 days. Louis Berger will forward the schedule to the Port Authority along with comments highlighting and emphasizing key points of critical concern. Further, the team will recommend actions to be taken for any work appearing to be behind schedule and, if need be, will develop a recovery schedule.

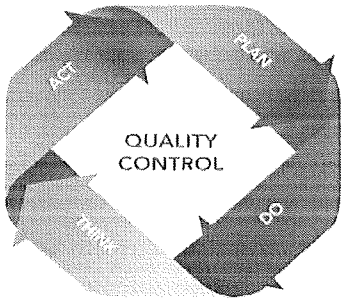
The outcomes of these schedule review processes will include:

- An approved baseline schedule, compliant with contract requirements and best scheduling practices, which is critical to all subsequent schedule activity
- Measurable progress of activities against baseline durations and milestones
- Clear and logical tasks and subtasks
- Identification and detailed tracking of long lead items
- Timely recommendations to the Authority and the contractor
- Cost and resource loading as appropriate to support thorough evaluation of payment applications

The team will utilize the latest version of Primavera (P6) and an experienced scheduler to evaluate the baseline and monthly progress schedules. To support the schedule review and analysis process, Louis Berger will hold regular

meetings as needed to review the CPM in depth with the project team in order to evaluate project challenges, identify impact mitigation opportunities, and review schedule logic sequences.

Task D - Quality Assurance Inspection



Continuous Quality Process Improvement

The Louis Berger Team is committed to quality management. This commitment begins with a thorough understanding of the project and the needs of the Port Authority, and is reinforced by a quality assurance process that has been implemented and utilized for numerous projects of a diverse nature. Louis Berger has an established quality assurance/quality control (QA/QC) program which has been approved by the Port Authority and other clients and has repeatedly been proven to be successful. This QA/QC plan, which has been adapted from the American National Standards for Quality Management Systems (ANSI/ASQC Q90 – Q94) and the International Organization for Standardization for Quality Systems (ISO 9000 – ISO 9004), will be customized and implemented for each specific project.

The primary safeguard for infrastructure work is the on-site construction inspection staff. Louis Berger's focus will be the daily operations of the contractor and his adherence to the contract documents. The inspection staff will observe all operations and file daily reports that will become the detailed history of the project. These reports will be prepared each day and checked by the Resident Engineer (RE) or chief inspector for accuracy. Inspector Daily Reports (IDR) will be the official record of the project. Work performed each day will be documented and payment records will be matched against these reports to ensure the Port Authority is paying for proper work in place.

Resident engineers will meet daily with the inspection staff to discuss planned work, approved materials and shop drawings, job progress, and quality of work. They will monitor project safety of Louis Berger's staff and review the contractor's operations for compliance with their own specific job health and safety plans. Field and office documentation will be reviewed with office engineers. Louis Berger's RE will monitor the project schedules with CPM scheduling specialist. They will perform preliminary review of shop drawings, monitor the status of permit requirements and utility work orders, schedule survey requests, and coordinate laboratory inspection requests to obtain timely test results. They will also give final approval for pay estimates to the contractor for payment processing.

The inspection staff will be responsible for monitoring all the general contractor's operations. Duties include, but are not limited to:

- Quantity measurements and calculations
- Quality verification and control
- Obtaining material delivery slips and certifications
- Verifying materials for acceptance in the work
- Inspecting the contractor's MPT procedures
- Inspecting measures taken for safe

operations on or around rail
- Observing the contractor's adherence to plans and specifications
- Monitoring project safety of the staff (The staff will notify the contractor's representative of any construction safety issues and advise the field office if the safety issue has not been corrected in a timely manner as required. All issues will be recorded on daily reports.)
- Entering data into the payment processing system, coordinated with the Office Engineer

In addition to the on-site processes by which construction quality is monitored and oversight operations are reviewed, Louis Berger will provide independent quality assurance audits for compliance with the QA/QC plan. Louis Berger's QA manager will make periodic site visits to review the inspection staff's procedures for observing the work being performed by the contractor for compliance with the contract documents, safety procedures, traffic control, and environmental aspects. Specifically, he will meet with inspectors in the field and prepare a Field Audit Report covering the following field inspection items:

- Description of contractor's activities being observed
- Quality of work being performed by the contractor
- Verification testing of materials
- Environmental controls for conformance to plans
- Check of inspectors' reports and field books for required information, sketches, and quantity calculations
- Contract items being covered with location of work
- Inspectors' personal protective equipment usage
- Inspectors' knowledge of specifications for the work being covered
- Inspectors' use of the required contract documents for work being covered

Immediate corrective action, if necessary, will be accomplished while the QA manager is on-site. He will meet with the RE to discuss job progress and quality of work. Any issues that can be corrected within 24 hours will be followed-up by the next day and documented on the field audit report.

The QA manager will also visit field offices for review of office records and document control systems for compliance with the QA/QC plan, including:

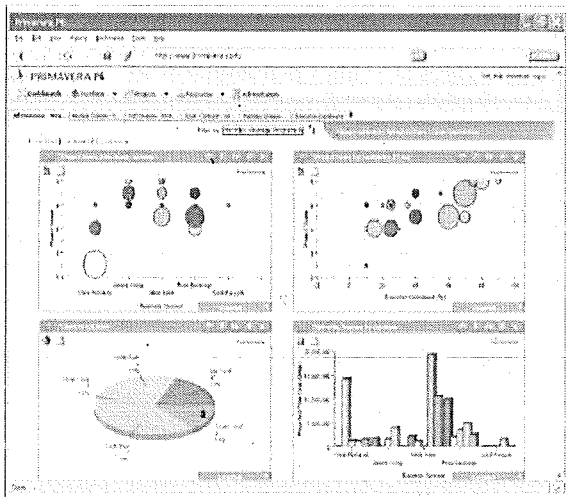
- General correspondence – Indexed logs of incoming/outgoing documents
- Shop drawing submittals/catalog cuts
- Subcontractor and supplier approvals
- Request-for-information logs and follow-up by the staff
- Change-of-plans/drawing modifications/change orders
- Progress schedule review and updates
- Material test results and logs
- Material certifications
- Delivery tickets
- Permits and Utility Orders
- Lane closing requests
- Inspectors' Daily Reports
- Record of Communication – whether in person, by telephone, or electronic
- Monthly certificates for payment
- Preparation of record plans
- All other documentation required by the Port Authority for construction

Any issues for the field documentation effort will be included in the comments section of the Field Audit Report.

Task E - Contract Administration

The core of Louis Berger's approach to contract administration is a combination of well-defined project procedures and a robust document management system. Louis Berger begins with a project management plan (PMP), which is tailored to each project's requirements and includes procedures and assignment of responsibility for their execution. Louis Berger has previously created and implemented PMPs on major capital improvement work for the Port Authority, including the World Trade Center, Newark Liberty International Airport Development Program, National September 11 Memorial and Museum, and WTC Transportation Hub and Vehicular Security Center. These PMPs already reflect the policies, procedures, software platforms, responsibility designations, and forms that are consistent with the needs of the Port Authority.

The processes defined within these plans would include individual administrative elements such as change orders, assessment of claims, requests for information (RFI's), submittals, meetings, reporting, time and material (T&M) records, budget management, payment application requirements, staff organization, schedules, communications plan (internal and external), daily reports, correspondence procedures, QA/QC procedures, safety, security, and closeout procedures. The PMP would also include a comprehensive document management plan, tying each of these elements together into a consistent and thorough project record.



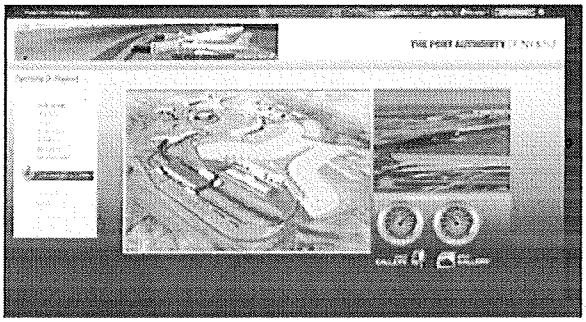
With the existence of the PMP templates based on Port Authority procedures and requirements, these plans are entirely scalable, and can be tailored to each individual project assignment to provide a Project Management Plan that is appropriate for the size, nature, and complexity of each contract. Some specific elements of the project management plan are as follows:

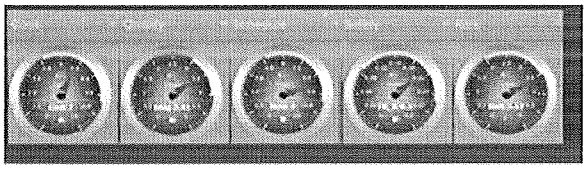
Document Control and Records Management

Louis Berger has established a scalable method of document control that has supported projects of all sizes and is recognized as one of the critical supporting elements of the program management efforts at the World Trade Center. In general, document control involves the management of all project related correspondence both incoming and outgoing. It is the process whereby all data is collected, distributed, and filed both in hard and soft copies. Standard document management software tools are applied and strict processes and procedures are adhered to in order to maintain all project documents.

An active electronic document controls system records and logs all documents received and issued. Metadata is recorded against each document to allow for control and fast retrievable. This metadata,should include but not be limited to the following: documents number, revision, date, title, originator and

organization, status and file locations, if hard copy is stored.





Beyond records management, some documents also require active monitoring. These documents, such as RFIs, submittals, and daily reports, have workflows that need to be tracked. Louis Berger uses project management software such as Primavera Contract Manager for managing and monitoring review performance and the flow of documents such as RFIs and submittals. This tracking includes such things as who has the documents (i.e., ball-in-court) and what is the present status (e.g., completed, overdue). This will allow the project team to identify overdue documents and effectively monitor their completion. Louis Berger also often combines contract manager and other project software with a SharePoint interface, which enables unified exception reports and project-wide dashboard reporting at any desktop.

An electronic document management system (EDMS) serves as an efficient and reliable tool for a project team – regardless of their location- to store, retrieve, and make immediately available from a central database project documents, drawings, construction photographs, graphics, and other project records. The Louis Berger Team has extensive experience in the design, implementation, and operational management of EDMS for diverse management assignments including metro systems, airport redevelopment programs, urban infrastructure programs, and major construction projects around the world. The Louis Berger Team has experience with a wide range of EDMS software including Aconex, LiveLink, ProjectWise, and SharePoint.

Records Management functions include:

- Encompass all records having a bearing on the project's activities including procurement and technical aspects
- Establish policies for standardizing required forms, reports, procedures, and manuals
- Ensure smooth and consistent distribution of information throughout the project organization on a need-to-know basis
- Expedite all required or outstanding information
- Ensure security of vital records
- Provide necessary retention for historical purposes
- Meet legal retention requirements, including those driven by FTA or FEMA programs
- Withdraw and destroy obsolete duplicates

Change Orders

Throughout each project, the Louis Berger Team will work proactively to minimize change orders, and subsequently to mitigate any time and cost impacts when such changes are necessary. In preparation for the reality of changes, however,

the Louis Berger does have a detailed workflow for supporting the change order process to ensure that all technical inputs are realized in scope development and estimating and that the process is administered transparently for establishment of a clear project record. The requirement for thorough documentation is especially noteworthy on federally funded projects, and, for this reason, Louis Berger will ensure that the final procedures governing such activities are defined in the PMP in accordance with these federal requirements.

The first activity after a contractor requests a change order is a determination of entitlement. Louis Berger will review the change order request and the contract documents and determine if the work is actually a contract change. If considered a change order, Louis Berger will work with the Port Authority and the project team to develop an appropriate scope of work and an independent estimate for the work. This team will obtain agreement from the contractor on the scope and provide all paperwork for change orders.

If a time and material change order is required, Louis Berger will convene an ad hoc meeting to confirm the required procedures for administering and documenting the actual work completed. Louis Berger will keep accurate records, sufficient to determine the true cost of the work. The contractor will submit daily time sheets to Louis Berger's inspectors supervising and monitoring the work. Louis Berger's inspectors will review and sign the time sheets and note any disagreements.

Louis Berger will create and maintain a contract change order log and will establish a file for each potential change as soon as the potential change issue is identified. These files will be populated with relevant information including applicable excerpts from contract documents, RFIs, submittals, correspondence, inspection reports, meeting minutes, and any other project documentation that defines each potential or actual change. These files will support the review and determination activities that are triggered by formal change requests or claim submissions.

The administrative procedures that Louis Berger has defined and implemented to include potential change files in the project have a number of benefits to the Port Authority. In addition to creating a robust project record and facilitating change reviews, this exercise also draws proactive management attention to potential claims and supports early mitigation of potential time and cost impacts as a result.

The value of the proactive change file management procedures and the underlying document control system has been recognized at the World Trade Center in a number of ways. For example, the claims management team is largely composed of Louis Berger staff; this team is improving processes and delivering daily actions to better position the Port Authority to eliminate or mitigate major claims. The talent and experience underlying this endeavor will also support the services provided on this IQC contract.

Meeting Management

Louis Berger will conduct meetings on a regular schedule at appropriate intervals, typically every two weeks, to review project status, costs, schedule, issues, upcoming schedule events, detailed coordination, and any other topics which are relevant to the project at that time. Louis Berger will also convene ad hoc meetings for significant project issues requiring resolution. A

typical example of project meeting types would include:

- Preconstruction meeting
- Regular progress meetings (typically bi-weekly but can increase to weekly if driven by critical project issues)
- Pay application review meetings
- QA/QC meetings (before, during, and after key project activities to confirm quality management requirements and procedures)
- Schedule review meetings
- Change order negotiation meetings
- Coordination meetings (to integrate construction activities into Port Authority operations, including temporary shutdowns and final systems start-up events)

Louis Berger will create agendas, lead discussions, and prepare detailed minutes for all meetings. Meeting minutes will be prepared and distributed within 48 hours of the meetings, and comments received will be considered and incorporated into updated minutes as appropriate. These meeting minutes will be structured using PMP best practices, identifying specific action items, responsible parties, and due dates for completion. By implementing this approach to recording the proceedings, Louis Berger incorporates the meeting minutes into the project record as a management document, creating accountability and supporting team progress towards project goals.

Task F - Cost Engineering/Estimating Services

For any project, Louis Berger has the capability and experience to establish a total budgetary control system, tailored to meet the Port Authority's requirements, using a number of cost control software options that will track all costs for the entire project. Louis Berger is very familiar with the Authority's *construction estimating guide* and has been utilizing the Authority's estimating procedures to develop cost estimates for many years.

The ability to accurately estimate costs, including those associated with Port Authority projects, is an essential component of the success of the Authority's capital program. An accurate estimate of facility force support will require a detailed approach that includes an understanding of the factors that affect cost, including schedule coordination, interrelationships between projects, and availability of facility force support resources.

The Louis Berger Team has performed pricing for complex projects in various stages of design, from conceptual to final, with construction costs in the billions of dollars. The team will use the design documents, individual project construction schedules, and the master schedule to develop accurate estimates of total project costs.

The proposed personnel will work closely with Port Authority personnel to prepare cost estimates that accurately incorporate labor productivities, current material prices, and construction equipment rates suited to the project specific site conditions and staging requirements. In addition, the team can utilize its database of historical labor productivities and/or unit prices to develop an order of magnitude preliminary estimate, when limited scope of work or design information is available. Louis Berger develops "real-world" cost estimates based on the understanding of the constraints and cost impacts of performing construction activities in active transit environments.

Other cost management services include:

- Preparation of complete, detailed cost estimates
- Preparation of conceptual, preliminary and pre-bid estimates
- Cash flow modeling and trending
- Preparation of project/program budgets
- Value engineering cost estimates
- Bid packaging and phasing
- Bid analysis, unbalanced bid checks, and schedule of values development
- Progress payment assessments
- Change order estimates and checks
- Cost to complete estimates
- Check estimates
- Cost Engineering
- Quantity take-offs

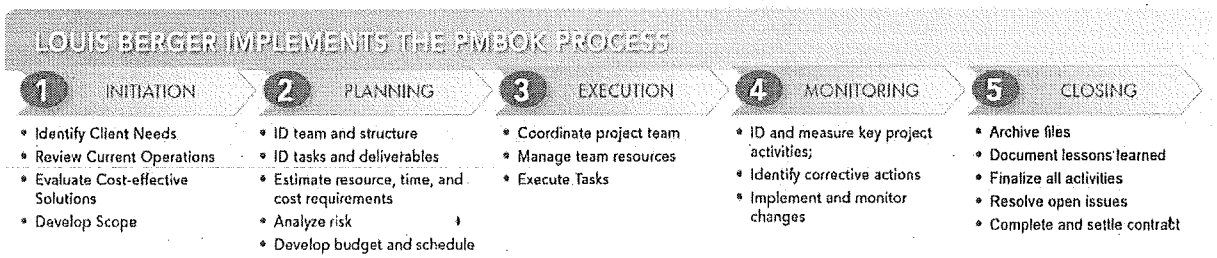
Task G – Resources

Louis Berger is committed to delivering the resources indicated in this proposal, specifically the proposed staff, for the full duration of the project. The team understands that the most important factor in selecting a construction management consultant is the quality of the proposed personnel; therefore, if selected by the Port Authority, as Louis Berger's quality assurance policies require, the firm will deliver the proposed personnel. Louis Berger has a long history of providing quality personnel and services to the Port Authority and values the confidence that the Authority has placed in Louis Berger's ability to continue to do so. Therefore, the firm has carefully selected staff not only on the basis of their technical capabilities but also their availability.

For this project in particular, the team is capable of delivering more than the required number of certified professional as identified in the request for proposal. In addition to the inclusion of certified professionals which exceed the Port Authority's requirements for this contract's staff, Louis Berger offers a cadre of experienced inspectors, construction managers, engineers, schedulers, cost engineers, cost estimators, and other experienced professionals. These individuals constitute a technically well-rounded team with a diversity of experience from which Louis Berger can draw to tailor individual project teams.

Throughout the many years that Louis Berger has provided professional services to the Port Authority, this team has responded to any number of project challenges by identifying and providing strong professional resources to address specific needs. Louis Berger approaches this IQC engagement the same way, and is poised with the available resources to continue that level of response for these important resiliency projects.

Supporting Construction Management and Related Technical Services



In conjunction with these defined tasks to be provided to the Port Authority, the Louis Berger team offers a full complement of program and construction management services, including the following.

Task Order Management

Louis Berger's task order management model is based on industry best practices, principles, and techniques developed by the Project Management Institute (PMI). The project management method shown above, adapted from the PMI Project Management Book of Knowledge (PMBOK), will guide Louis Berger project and task managers throughout contract performance. The method will be tailored for each Port Authority task to incorporate Louis Berger experience performing similar tasks at the Port Authority and elsewhere. Louis Berger will respond to the Port Authority task orders, mindful of this five-step process, employing appropriate management processes, reports, and controls, to ensure the team achieves cost, schedule, and performance objectives.

Louis Berger is well versed in the task order operations for Port Authority contracts and will continue implementing the procedures that have led to the successful management of this process to date. Of utmost importance will be the continued dialogue and open conversation between Louis Berger and the Authority to confirm that the services being provided are responsive to the Authority's needs and aligned with the Authority's expectations for cost and quality.

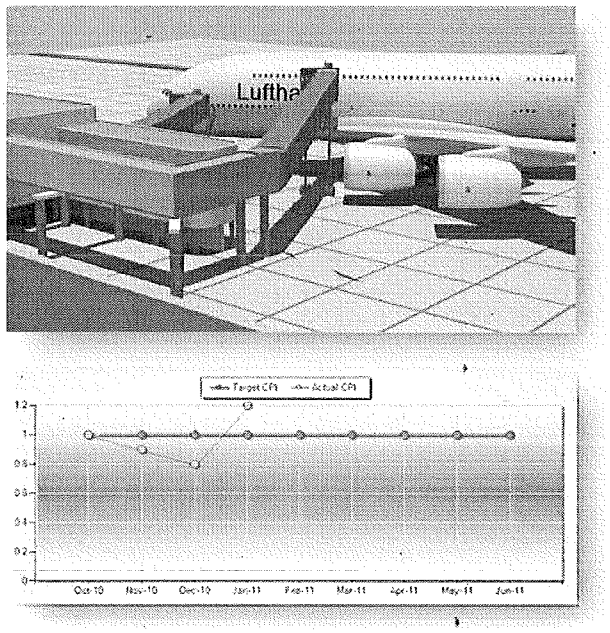
Prevailing Wage Administration

Louis Berger will monitor the prevailing wages paid by the contractor and subcontractors by reviewing verified payroll reports. The reports will be submitted along with the invoices. Louis Berger will follow up with the contractor to obtain missing or corrected payroll reports. The reports will be logged in chronological order to ensure that there are no gaps in reporting.

Louis Berger inspectors will make regular surveys of the construction crews to verify that they are receiving prevailing wages in accordance with the contractor's records

Reporting

The Louis Berger team is engaged on a wide variety of project types for the Port Authority, and tailors the reporting mechanisms to each type. Reporting mechanisms range from the simple straightforward daily reports to complex electronic project management information system (PMIS) based reporting with roll-up dashboards and multiple drill-down functions for varying levels of detail. Louis Berger has provided this full range of reporting for the Port Authority and will again tailor the reporting methods for each assignment.



Regular methods of reporting include:

- Port Authority Daily Reports
- Contractor's Daily Reports
- Contractor's Daily narratives recording manpower, equipment, and notable work day events
- Contractor time and material sheets with construction manager verification of times, equipment used, idle time, operating time, material quantities, and all manpower throughout the day
- Controlled inspection forms for operations such as placement of backfill, asphalt, or concrete
- Completion of any applicable standard forms with citations to the Construction Standards Manual
- Punch List reports and updates, distributed to the Contractor, Quality Assurance Director, and Resident Engineer
- Special Inspection Checklists and Certification Letters at project completion
- Meeting Agendas and Minutes
- Weekly and Monthly Project Reports
- Schedule Reports
- Budget Reports
- Earned Value Management Reports
- Exception Reports (non-conformance, quality, delays, risks)

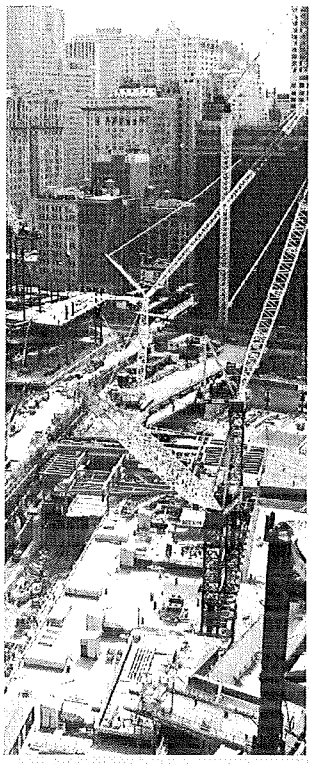
With the critical nature of effective reporting, Louis Berger will ensure that the reporting for each project provides the most accurate and up-to-date information needed by the Authority to inform further roll-up reporting, highlight project progress and issues, identify required decisions, and inform those decisions.

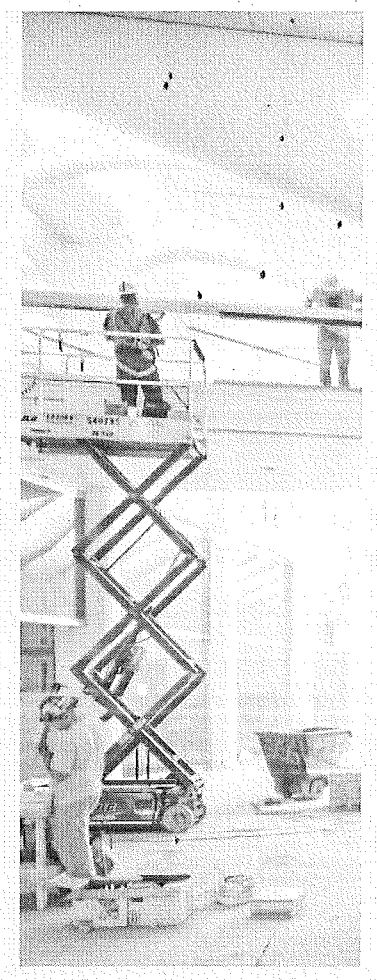
Project Close-Out

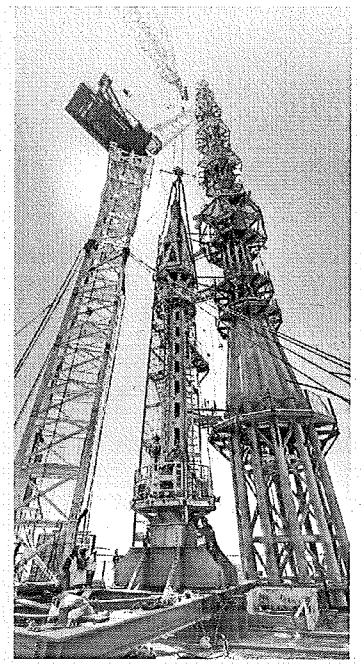
The construction management team will work with the contractor to finalize the project and ensure that all contractual obligations are complete. To verify that the project is substantially complete, the Resident Engineering team will:

- Determine substantial completion through its Construction Manager, in concurrence of the Port Authority PM.
- Prepare a punch list of work remaining to be finished. This list will be documented in the monthly report.
- Monitor the correction or completion of the punch list items and record status in the Monthly Report.
- Determine final completion and recommend acceptance of the work to the Authority.
- Perform final inspection.
- Verify that all final documents have been submitted and are complete and approved, including warranties, guarantees, affidavits, releases, bonds, O&M Manuals, etc.
- Monitor all system start-ups and commissioning of equipment.
- Verify that training of Port Authority personnel for operation of equipment has been performed and training manuals and sessions are available.

In brief, the Louis Berger team provides expert-level construction management and inspection services that span the entire life cycle of any project. The established framework for providing these services has supported the successful completion of billions of dollars of construction efforts worldwide. The individuals proposed herein to deliver these services have the technical expertise, relevant experience, and proven records of successful delivery for the Port Authority of New York and New Jersey.





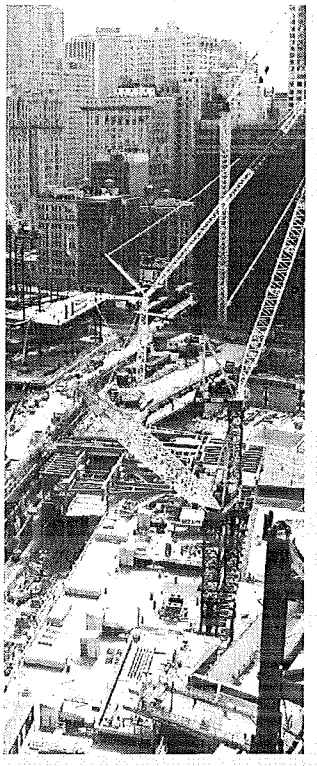


H.

List of Affiliates

Louis Berger - List of Affiliates/Subsidiaries

Firm	Corporate address	FEIN
Berger Group Holdings, Inc.	412 Mount Kemble Avenue, P.O. Box 1946, Morristown, NJ 07962	
Louis Berger Consulting Private Limited (India)	Plot No. B 3-6, Sector 31, Gurgaon, 122001, India	None
Louis Berger Incorporated, Nigeria	110 Lewis St.; 6th Floor; Lagos, Nigeria	None
Louis Berger International, Inc., Korea	412 Mount Kemble Avenue, P.O. Box 1946, Morristown, NJ 07962	
Louis Berger Route Yaounde S.A.R.L	c/o AIC PROGETTI, B.P. 14428, Yaounde, Cameroon	None
Louis Berger Water Services, Inc.	111 Market Place, Ste. 1020, Baltimore, MD 21202	
The Louis Berger Group (Domestic), Inc. fka Louis Berger & Associates, Inc.	412 Mount Kemble Avenue, P.O. Box 1946, Morristown, NJ 07962	
Wuhan Louis Berger Tech. Engineering Co., Ltd.	37, Qingshanzheng Street, Qingshan District, Wuhan, China	None



II.
Conflict of Interest

GENERAL CONFLICT OF INTEREST

In accordance with the terms of the Request for Proposals number 39247, Louis Berger offers the following as it relates to general conflicts of interest:

1. Louis Berger is currently a subcontractor to Jacobs to perform design services for Port Authority resiliency construction projects. To date, no work has been performed through this contract, which is one of nine call-in contracts for such design work. Louis Berger does not view this as a current conflict of interest relative to the IQC Construction Management services requested in the scope of work for the project, but does recognize the potential for design work performed by the Louis Berger portion of the Jacobs team to present the potential for such a conflict of interest in the future. In this event, Louis Berger will institute the following safeguards to avoid the conflict of interest:
    a. Ensure that an effective firewall is in place, separating the design team for a given resiliency project from the team performing IQC CM services for that project.
        i. This firewall would include physical separation, naturally attained as the CM staff will be entirely field based and the design team will be primarily office-based.
        ii. This firewall would also include organizational separation, also naturally attained as the CM staff and the design staff resides within separate business units within Louis Berger.
        iii. The physical and organizational separation will be enhanced, wherever possible, by utilizing non-Louis Berger resources for any CM services on Louis Berger-designed projects that could be construed to create a conflict of interest.
        iv. The firewall would be complete with separate document control and electronic partitioning, ensuring that the design activities and CM activities are isolated from one another.
        v. All affected employees would be thoroughly trained on conflicts of interest – including the appearance thereof – and the purpose of the firewall.
    b. In the event that an effective firewall cannot be implemented to the satisfaction of all involved parties, Louis Berger will recuse itself from performing CM services on projects on which the Berger resources subcontracted to Jacobs performed design services

As always, Louis Berger will work transparently and collaboratively with the Port Authority to avoid any conflicts through proactive management and open communication. Louis Berger and its subcontractors will cooperate fully with the Port Authority's Inspector General and its Integrity Monitor to ensure the fortitude of the mitigation plan and audit its successful implementation should such occasion arise. Louis Berger is fully confident in our ability

to work with the Port Authority to ensure that such issues are avoided.