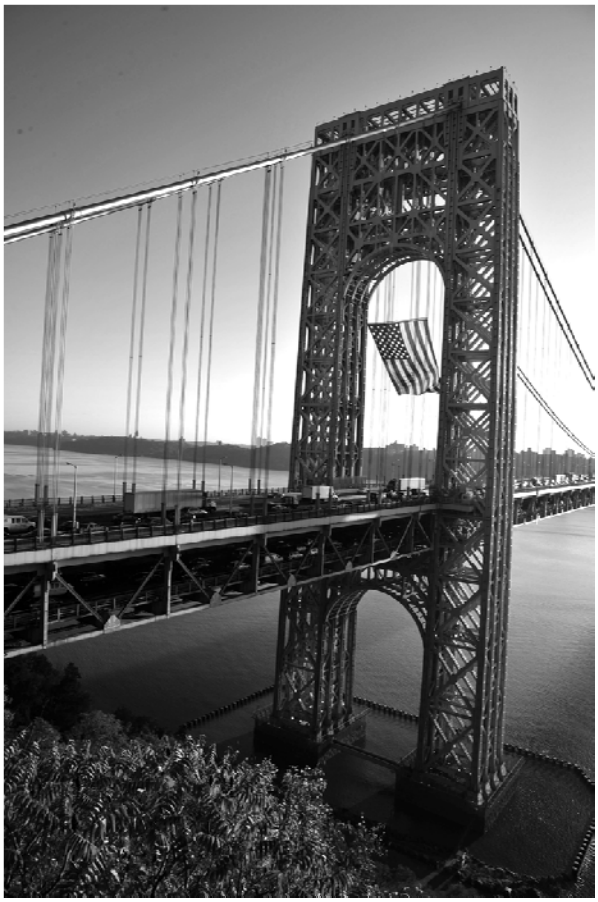
The Port Authority of New York & New Jersey

Proposed Capital Plan Summary 2014-2023



February, 2014

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Executive Summary

The 2014-2023 Capital Plan provides **$27.6 billion** in capital investment to fund critical projects for the Port Authority's Ports, Airports, PATH system, Tunnels, Bridges, Terminals and the World Trade Center. The proposed 10-year capital plan is a balanced portfolio of more than 500 projects that will bring vital airport terminals into the 21st century and create important new bridge capacity, while at the same time preserving critical Port Authority infrastructure that is so essential for safe and efficient transportation in the region. It will support the generation of more than 126,000 job years, $7.3 billion in wages and approximately $29 billion in economic activity, and will enhance the Port Authority's legacy of excellence in constructing, maintaining and operating the New York-New Jersey region's transportation system.

The Capital Plan was developed using a comprehensive planning process and risk-based prioritization that considered asset condition, operational and revenue impact, threat assessment, customer service, regional benefit, and regulatory or statutory requirements. For our State of Good Repair Program (SGR), the criticality of an SGR project was determined by assessing the associated asset in two independent categories: (1) the current *physical condition* of the asset, and (2) the *operational impact* that the asset has on the facility where the asset is located. The following is the criteria employed in the SGR assessment:

SGR Project Criteria

Physical Condition Criteria

- ✓ **Life Safety**— extent to which failure of an asset would pose a threat to life safety
- ✓ **Life Cycle**— Consideration of asset's useful life
- ✓ **Physical/ Mechanical Operational Capability**— extent to which an asset can be relied upon to perform its intended function
- ✓ **Maintenance Required**— extent to which assets require immediate repairs
- ✓ **Maintainability**— extent to which system may become obsolete

Operational Impact Criteria

- ✓ **Operational Impact to the Facility**— criticality of the asset to facility operation
- ✓ **Revenue Impact**— revenue loss and operating costs resulting from asset failure
- ✓ **Customer Service Impact—** asset's impact on quality service to customers

The other project categories were also prioritized for inclusion in the capital plan. System Enhancing/Revenue Producing projects were evaluated based on the scale of the project, the potential economic value to the region, as well as the potential to provide revenue for the agency. Mandatory Projects were reviewed to confirm specific law, governmental rule or policy addressed by investment. All Mandatory Projects were included in the Capital Plan. Security Projects were evaluated by the Chief Security Officer and the Office of Emergency

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Management as part of an overall risk based analysis. The 2014-2023 Capital Plan also provides for significant advancement of the agency's mission through investment in:

- New Major Initiatives:
  - Central Terminal Building at LaGuardia Airport (CTB)
  - Terminal A Redevelopment at Newark Int'l Airport
  - Lincoln Tunnel Helix Reconstruction
  - Lincoln Tunnel Access Projects
  - Goethals Bridge Replacement
  - Bayonne Bridge Roadway Elevation
  - GWB Suspender Ropes Replacement
  - Greenville Yards Port Development
  - PATH Grove St. Station Renovation
  - PATH Harrison Station Renovation
  - PATH Extension to Newark Int'l Airport
- Completion of the World Trade Center (WTC)
- As reflected in the following table, core Line Department planned spending, which excludes major project initiatives, represents nearly 40% of the 2014-2023 capital plan. The World Trade Center represents 18% of the plan and is forecasted to complete nearly all activities within the first 3 years of the plan. New major department initiatives account for 40% of the capital plan. The Port Authority will invest nearly $16 billion in the first five years of the plan, including $500 million in Storm Sandy related projects.

2014-2023 Capital Plan Overview – by Department

($ in 000's)	2014-2018	2014-2023	2014-2023 Share of Capital Plan
Aviation – Core Project	2,053,633	4,740,606	17.2%
TB&T – Core Projects	1,251,674	2,250,856	8.2%
PATH – Core Projects	873,279	1,715,502	6.2%
Port – Core Projects	495,711	1,266,391	4.6%
Provisions and Development	11,165	781,104	2.8%
Line Dept. Subtotal	4,685,462	10,754,460	39.0%
Bayonne Bridge Elevation	1,142,820	1,142,820	4.1%
Goethals Bridge Construction	463,435	474,552	1.7%
GWB Suspender Ropes Replacement	208,943	933,150	3.4%
Lincoln Tunnel Helix Reconstruction	36,297	1,441,267	5.2%
Lincoln Tunnel Access Projects	1,455,060	1,727,375	6.3%
Greenville Yards Development	286,351	312,701	1.1%
CTB at LaGuardia Airport	1,486,188	2,080,545	7.5%
Terminal A Redevelopment at Newark Airport	199,612	1,220,504	4.4%
PATH Harrison Station Renovation	191,950	206,950	0.8%
PATH Grove Street Station Renovation	18,641	214,141	0.8%
PATH Extension to Newark Airport	575,000	1,200,000	4.4%
Major Projects Subtotal	6,064,296	10,954,004	39.7%
WTC	4,900,211	4,912,156	18%
State and Regional	192,571	942,571	3%
Total	15,842,540	27,563,191	

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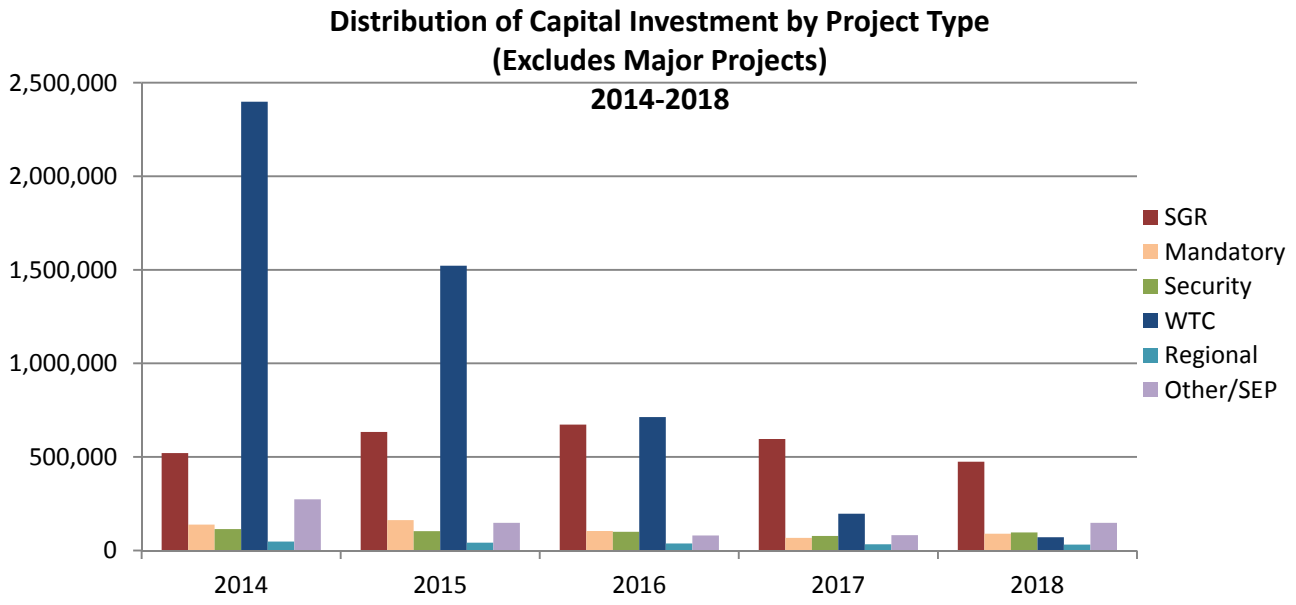
Profiling the plan by capital project categories, the Port Authority has prioritized its portfolio by providing for State of Good Repair investment to maintain critical structural integrity and operational capabilities of its assets; Mandatory projects that are required by law, governmental rule or regulation or by Port Authority policy; Security projects that meet risk management goals; and System Enhancing Projects that improve customer service levels and yield regional or economic benefits.

2014-2023 Capital Plan Overview – by Project Type			
($000's)	2014-2018 Capital Program	2014-2023 Capital Plan	2014-2023 Share of Capital Plan
State of Good Repair	2,897,846	7,918,140	28.8%
Mandatory	563,235	738,282	2.7%
Security	492,710	829,533	3.0%
WTC	4,900,211	4,912,156	17.8%
State and Regional	192,571	942,571	3.4%
System Enhancing/Revenue Producing	731,672	1,268,505	4.6%
Major Project Initiatives *	6,064,296	10,954,004	39.7%
Total	15,842,540	27,563,191	

* $4.7 billion of spending in 2014-2023 for Major Project Initiatives constitute State of Good Repair Projects. Together with core departmental spending, State of Good Repair projects represent 46% of the total Capital Plan.



Within each Line Department's capital budget, a significant portion of funding is dedicated to State of Good Repair projects; in total, $2.9 billion of capital investment in SGR work is scheduled for 2014-2018, excluding Major Project Initiatives.

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Deliverability Process and Future Adjustments

The Port Authority is also enhancing various Capital Deliverability Processes to better focus on expediting the process to bring capital projects from their initial conceptual phase to execution, construction and ultimately to operation. These series of deliverability initiatives include:

- New Project On-Boarding Process: An enhanced project initiation, budgeting, monitoring and oversight process to allow for integration of asset management with the project planning and delivery efforts.

- Implementation of Stage Gates: A structured "funding gate" review process at defined points in the project life cycle to ensure projects comply with applicable project quality standards, approved plans and the Port Authority's strategic objectives.

- Project Risk Assessments: A streamlined and scalable risk management process to allow for the identification, quantification and management of Project Risks throughout the project life cycle. Efforts include the performance of qualitative and quantitative Risk Assessments to aid in the establishment and management of Project Contingencies.

- Small Project Delivery Program: An expedited delivery process for small and/or routine infrastructure/building projects, including an expedited procurement process.

- Enhanced Reporting on Key Performance Indicators: An enhanced reporting system focused on key capital program performance indicators, with formal Quarterly progress updates to the Board's Capital Planning, Execution and Asset Management Committee; a committee of the Board tasked with the governance to monitor and drive execution, effectiveness and efficiency of the capital plan.

The 2014-2023 Capital Plan provides the public with transparency as to the planned capital expenditures and priorities over the period. The Plan is intended to enhance the Board authorization process and will not be a substitute for current authorization practices. The Plan was developed using the best information available at the time and in consideration of available Port Authority capital capacity and third-party funding. The Port Authority will regularly monitor progress on the plan, new developments as to changes in risk, law or security and availability of funding and modify the Plan as necessary. For those projects with total project costs that exceed the planned Port Authority spending, outside funding will be sought/secured and/or project scope revisited.

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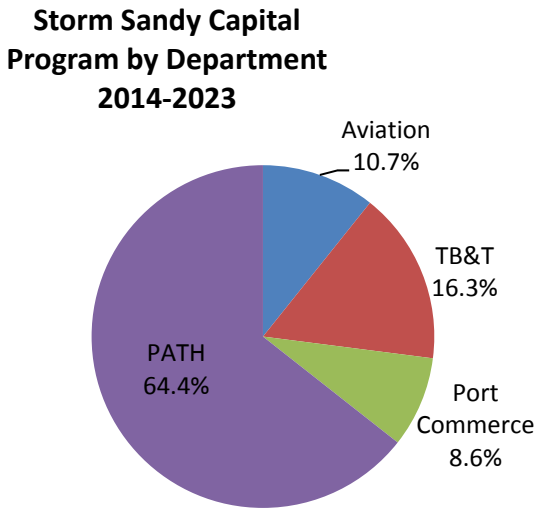
Storm Sandy Program

The Capital Plan provides funding for the Storm Sandy Program, which includes permanent repair, mitigation, and resiliency projects forecasted in the 2014-2023 period.

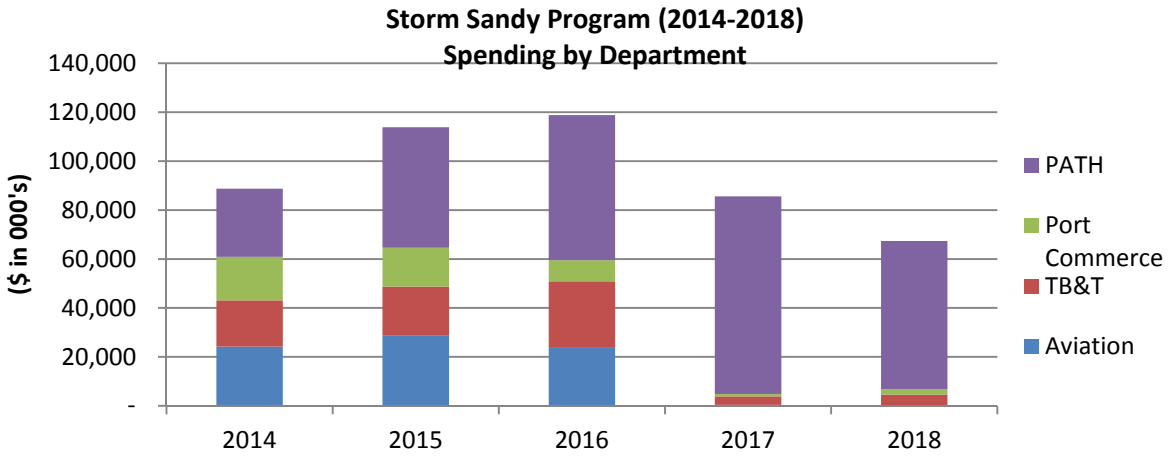
It is anticipated that a portion of these costs will be recovered through insurance and Federal public assistance programs. The initial Storm Sandy Capital Program consists of 57 projects, estimated to require $1.0 billion of capital investment over ten years, with $474 million of spending estimated to occur between 2014 and 2018. It is anticipated that the Sandy capital plan will increase during the 10 year plan period as project scopes are refined and agreed to with our Federal assistance partners. In addition, the Port Authority will continue to invest in Storm Sandy operating repairs and restoration, particularly at the World Trade Center site.



Over half of the spending will be for permanent repairs to the PATH system related to Storm Sandy. The remaining projects are for long-term repair and resiliency to help protect other Port Authority's assets from future storms.

Storm Sandy Program 5 – Year Capital Spending by Department ($ in 000's)

	2014	2015	2016	2017	2018	2014-2018	2014-2023
Aviation	24,213	28,629	23,998	357	318	77,515	117,004
TB&T	18,870	20,097	26,862	3,482	4,268	73,578	177,490
Port Commerce	17,803	15,909	8,676	987	2,183	45,558	93,330
PATH	27,865	49,214	59,271	80,758	60,596	277,704	701,545
Total Sandy Program	88,750	113,849	118,806	85,583	67,365	474,355	1,089,369



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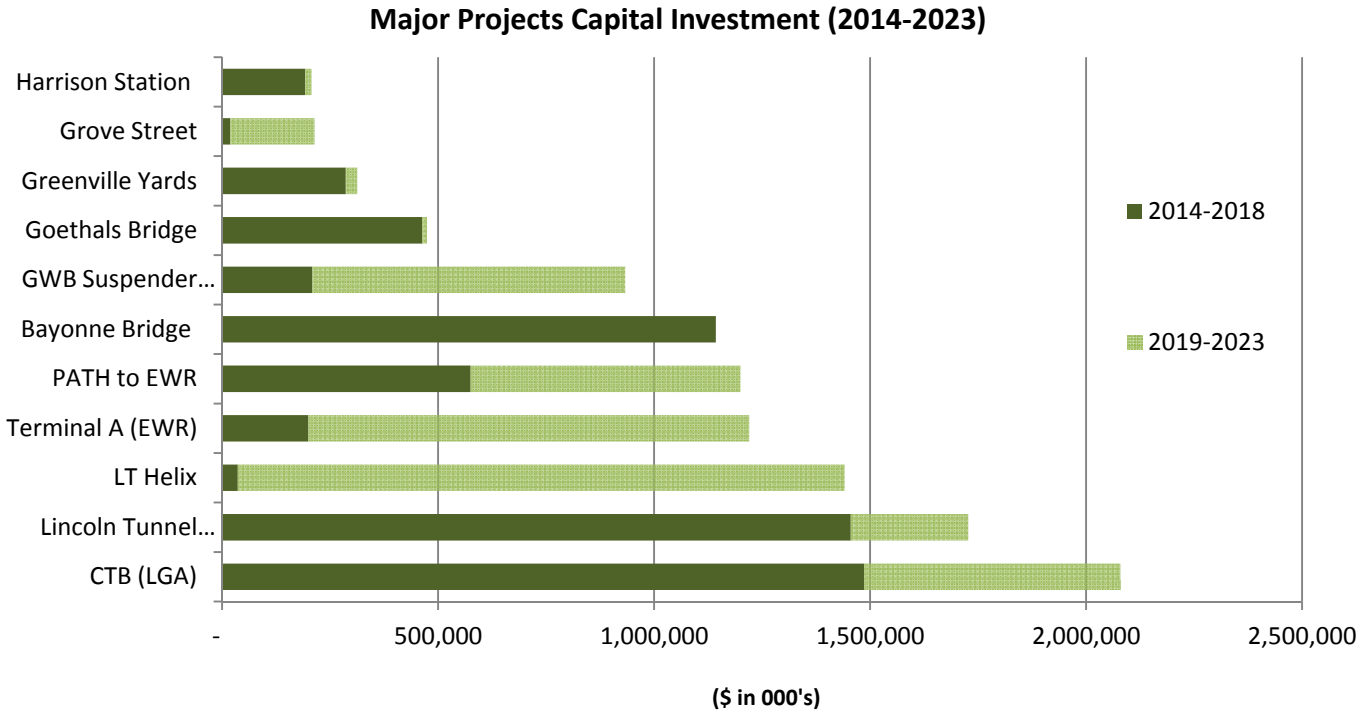
Major Project Profiles

In the upcoming 10 years, the Port Authority will be undertaking 11 major project initiatives, excluding WTC work. These projects will have a significant impact on the region, as well as account for $10.9 billion (39%) of the agency's capital program.



The following pages provide summary profiles for each of the Major Projects:

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Bayonne Bridge Navigational Clearance Program

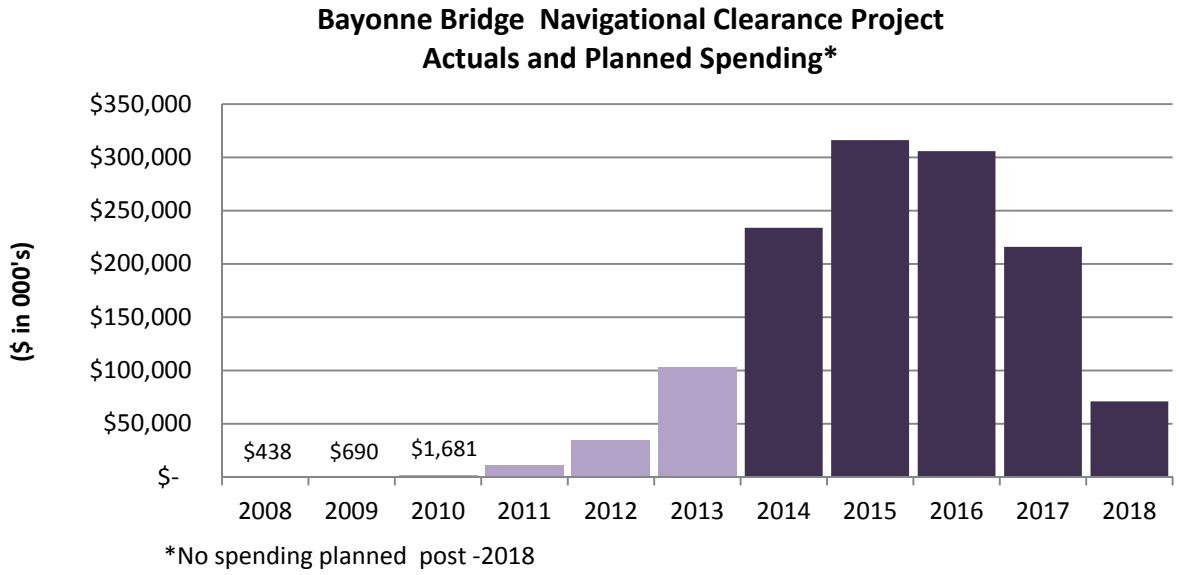
Purpose: The Board authorized $1.3 billion to raise the roadway of the Bayonne Bridge to 215 feet to accommodate larger more efficient ships anticipated post Panama Canal expansion. The current navigational clearance of 151 feet is an ongoing concern for the maritime industry. In late 2015, much larger containerships are expected to call at east coast ports. Allowing these vessels access to our port facilities will provide a more sustainable and competitive Port of New York and New Jersey.

Scope: The scope of work includes the replacement of the existing main span deck and the NY and NJ approach structures and access ramps, at a higher elevation. The project will provide standard 12-foot lanes, median safety barrier and shoulders, a bikeway and a future transit corridor.

Bayonne Bridge Navigational Clearance Program	
Total Project Cost	$1.3 billion
Actuals through 2013	$105 million
Project Start Date	3Q 2009
Anticipated End Date	2Q 2017
Current Stage	Stage 4 Construction

Stakeholders: External stakeholders include domestic/international commercial shipping and maritime industry, adjacent communities, environmental interests, utilities, municipal, state and federal agency representatives and the traveling public.

Project Phasing: The construction will be performed in five main construction stages and allow continuous vehicular operation, one lane in each direction. Weeknight and certain weekend closures will be required.



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Goethals Bridge Modernization Project

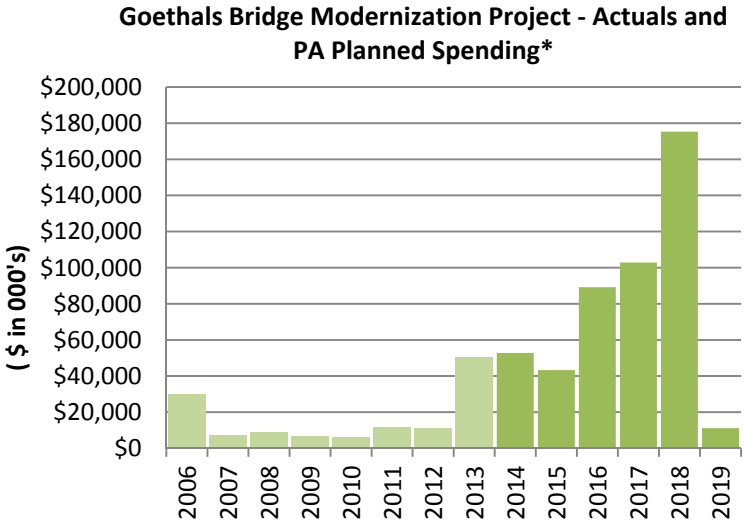
Purpose: The existing Goethals Bridge, which opened in 1928, is now functionally obsolete. The current roadway has two substandard 10-foot lanes in each direction and lacks emergency shoulders. Congestion is prevalent and traffic speeds are often below 30 mph. The crossing is an important component within the regional transportation network of the New York Metropolitan Area and is a key link that connects I-278, Route 1/9 and the New Jersey Turnpike to the Staten Island Expressway, the West Shore Expressway and the Verrazano Narrows Bridge.

Scope: The program scope of work includes the replacement of the existing Goethals Bridge in its entirety with a new cable stayed bridge and approach viaducts. The Authority is utilizing a Public-Private Partnership (PPP) format to design, build, finance and maintain ("DBFM") the new structure. The Authority will retain ownership of the bridge and responsibility for toll operations. The new roadway will include the following components: Six 12' wide lanes (three in each direction); 12' wide outer shoulder in each direction; 5' wide inner shoulder in each direction; 10' wide bikeway/walkway along the northern edge of the westbound roadway; and a corridor in the center of the bridge to accommodate future mass transit.

Goethals Bridge Modernization Program	
Total Project Cost	$1.5 billion (PA cost limited to$540M)
Actuals through 2013	$132 million
Project Start Date	2Q 2002
Anticipated End Date	4Q 2019
Current Stage	Stage 3 Design

Stakeholders: USCG, FHWA, USACOE, NYSHPO, NYSDOT, NYSDEC, NYCDCP, NYCEDC, NYCDEP, NYCDOT, SIB, NJDEP, NJSHPO, NJTA, City of Elizabeth, CONRAIL, traveling public, adjoining private property owners, and utilities.

Project Phasing: Project implementation via a PPP Design/Build approach, with design and construction commencing in 2013. It is anticipated that the southern portion of the new bridge will be constructed and opened to traffic in late 2016. This will be followed by the demolition of a portion of the existing bridge to enable commencement of construction for the northern section of the new bridge. The new bridge is anticipated to be fully open for traffic by end of 2017 and project completion, including demolition of the existing bridge, by late 2018.



* Includes developer milestone payments for construction. No planned spending post-2019: 2006 datapoint relects cumulative actuals through 2006

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George Washington Bridge – Suspender Ropes Replacement Program

Purpose: The existing suspender ropes, main cables and cable strands are original installation components of the GWB, which opened in 1931. Inspections and studies indicate that the suspender ropes require replacement. The main cables are composed of individual wires and need to be inspected, cleaned and protected from deterioration. This work is required to maintain the structural integrity of the GWB, which is an integral part of the I-95 corridor handling over 100 million vehicles per year, annually generating approximately $ 600 million in revenue.

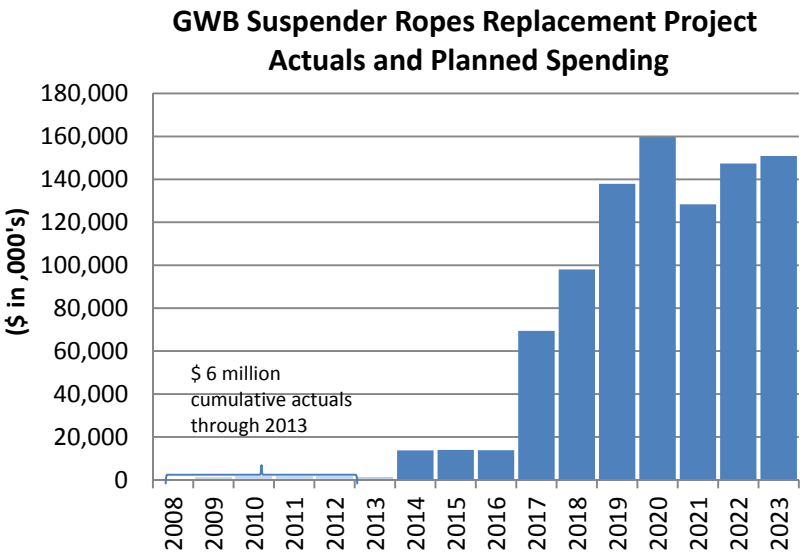
Scope: The scope consists of replacement of all 592 suspender ropes, rehabilitation of the four main cables supporting the upper level and lower level roadways (including relocation of utilities to effectuate the rope replacement), replacement of upper level sidewalks, handrails, roadway curbs and main cable necklace lighting. This program also includes rehabilitation of cable strands in the anchorages.

Stakeholders: External stakeholders include the United States Coast Guard, State Historical Preservation Offices in New Jersey and New York, Borough of Fort Lee, Bergen County, New York City Department of Transportation and Community Board 12.

George Washington Bridge Suspender Rope Replacement Project	
Total Project Cost	$1.2 Billion
Actuals through 2013	$6 million
Project Start Date	1Q 2008
Anticipated End Date	4Q 2024
Current Stage	Final Design (Stage 3)

Project Phasing: The suspender ropes on the north side are to be replaced first, requiring closure of the sidewalk throughout duration of work.

Once completed, the north sidewalk will be opened to the public and the south sidewalk closed for suspender rope replacement work to progress. Upon replacement of all suspender ropes and reopening of the south sidewalk, the main cable necklace lighting is to be replaced. The cable strand rehabilitation within the anchorages proceeds through 2016 independent of the suspender rope replacement work.



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Lincoln Tunnel- Helix Replacement Program

Lincoln Tunnel Helix Replacement Program	
Total Project Cost	$1.4 billion
Planning Authorization	$5.0 million
Actuals through 2013	$10 million
Project Start Date	1Q 2011
Anticipated End Date (Construction Complete)	4Q 2023
Current Stage	Conceptual Design (Stage I)

Purpose: The Lincoln Tunnel Helix, constructed in 1937 and widened by one lane in 1957, is approaching the end of its useful life, is functionally obsolete and in need of replacement. As a precautionary measure, a rehabilitation construction contract is underway to extend the life of the existing helix until this replacement program is undertaken. On a typical weekday the Helix's seven land roadway carries over 120,000 vehicles and 1,800 buses carrying 65,000 commuters.

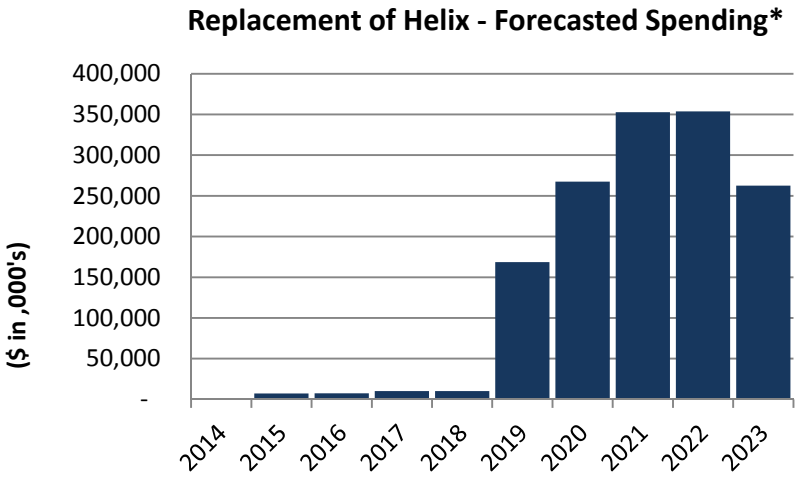
Scope: The scope consists of a new roadway structure with new foundations to replace the existing Helix. The roadway will be built with the same number of lanes but with a 30-foot wider deck to improve the bus lane flow riding on a new breakdown lane during morning and afternoon peak period, and to widen the traffic lanes from narrow 10.5 foot to 12-foot lanes.

The scope will also include an improvement and extension of the acceleration lane at Pleasant Ave on-ramp to facilitate westbound tunnel traffic, and merging Weehawken traffic without backing up tunnel traffic. This 300ft acceleration lane will require widening two overpass bridges of the local streets.

Stakeholders: NJDOT; NJDEP; SHPO; Weehawken; Union City; NJ Light-Rail; private property owners, bus operators, commuters, and traveling public.

Project Phasing: As part of on-going efforts, continuous rehabilitation programs are underway to address short-term needs (pavement repairs) and mid-term needs (structural rehabilitation and repaving currently contracted and undergoing) while awaiting the long-term solution to completely replace the Helix.

The replacement program will be staged and phased while maintaining the same number of traffic lanes by diverting traffic to the newly widened lanes while working on the replacement lanes. This will minimize disruption to the XBL operations and the tunnel traffic.



* $10 million in cumulative actuals from 2008 to 2013

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Lincoln Tunnel Access Program (LTAP)

Lincoln Tunnel Access Program	
Total Project Cost	$1.8 billion
Actuals through 2013	$121 million
Project Start Date	3Q 2011
Anticipated End Date (Construction Complete)	4Q 2021
Current Stage	Design & Construction (Stage I - IV)

Purpose: In 2011, the Port Authority and the State of New Jersey Department of Transportation (NJDOT) entered into an agreement to address critical roadways and approaches providing access to the Lincoln Tunnel. These existing roadways are deteriorated, overburdened, or used beyond their capacity.

The LTAP is intended to improve NY/NJ regional competitiveness, mobility of goods and services, foster economic activity and create hundreds of construction jobs. The Port Authority has allocated $1.8 billion for LTAP infrastructure improvements undertaken by and in cooperation with NJDOT.

Key program components include:

- Rehabilitation of the Pulaski Skyway
- Replacement of the Wittpenn Bridge
- Route 1 and 9 T – construction of new lanes

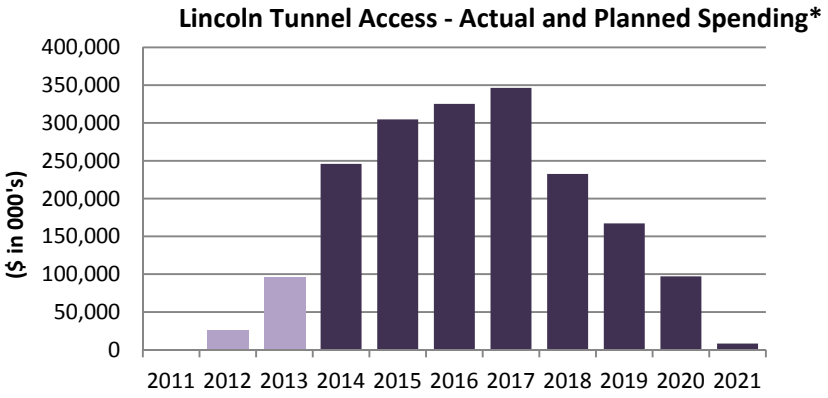
Scope: The LTAP consists of the rehabilitation, replacement, and new construction of three distinct projects:

Pulaski Skyway Rehabilitation: Includes the replacement of the entire deck, repair/replacement of all deteriorated structural steel and safety railing. Also includes new CCTV, lighting, ITS (VMS) elements, seismically retrofitting, and repainting the structure.

Wittpenn Bridge Replacement: Includes the replacement of the existing structure (a vertical lift bridge). The scope of work also includes the demolition and disposal of the existing bridge.

Route 1 and 9 T (New road): Design and construction of a new road for Route 1 & 9 Truck connecting Tonnelle Circle to I-495. Project will require the acquisition of approximately 40 parcels of land needed for right-of-way purposes

Stakeholders: PANYNJ, NJDOT, cities of Jersey City, Kearny, Bayonne, Newark, property owners, regulatory agencies, and the traveling public.



*No planned spending post-2021

Greenville Yards

Purpose: To facilitate and improve the movement of goods into and through the Greenville Yard – Port Authority Marine Terminal.

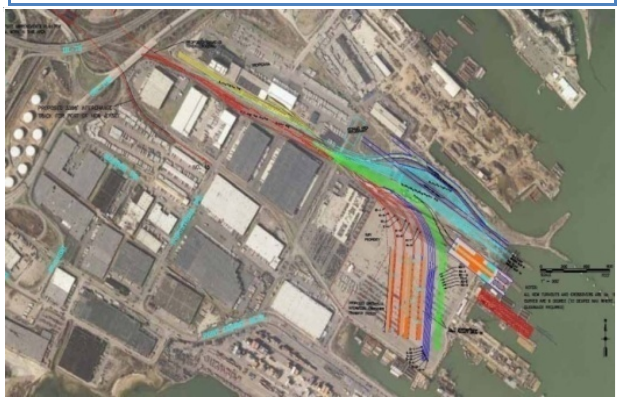
Scope: Final design and construction of the upgraded Cross Harbor Car Float system and an Intermodal Container Terminal Facility (ICTF) including support tracks and various site improvements.

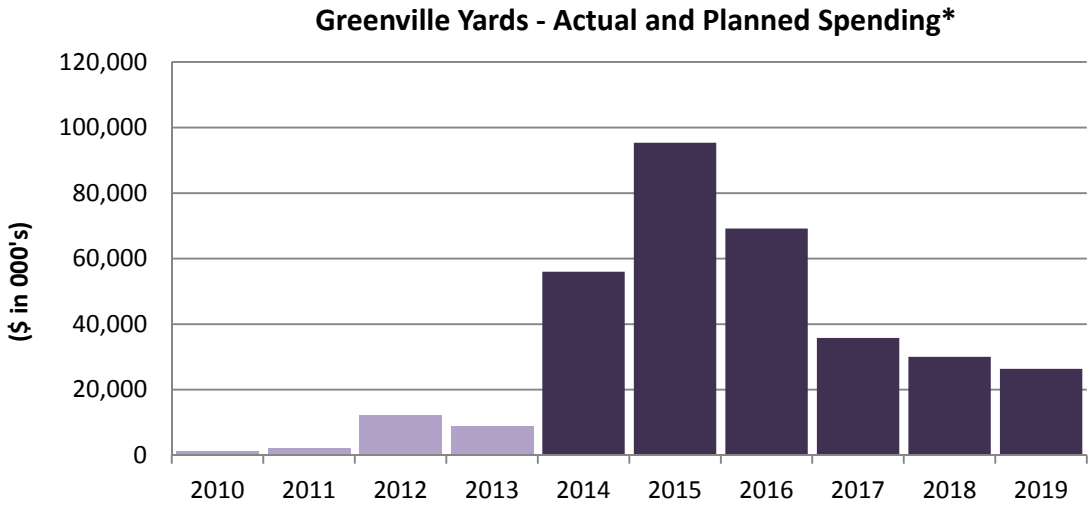
Stakeholders: NY/NJ Rail Corporation; Port Jersey Railroad; Global Container Terminal; Conrail; CSX; Norfolk Southern; Tropicana; Jersey City Municipal Utilities Authority; BMW; Weeks Marine; NYC Sanitation; IESI Corp.; Prologis; Summit Greenwich Renewal, LLC; Freeze Store Jersey City, LLC; Polar Logistics East Urban Renewal Associates; NJDOT; NJ Turnpike Authority; PSE&G; and Simms Metal

Project Phasing:
Phase 1 includes all work that can be completed without the relocation of the Tropicana rail, to support Cross Harbor and the ICTF. Phase 1 is scheduled to be completed in 2015.

Phase 2 includes the full build out after Tropicana Rail relocation, which is to be completed in 2019.

Greenville Yard Development	
Total Project Cost	$438 million (PA cost limited to $249 Million)
Actual through 2013	$24.5 million
Project Start Date	4Q 2007
Anticipated End Date	4Q 2019
Current Stage	Final Design (Stage 3)





* No spending forecasted post -2019

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LaGuardia Airport (LGA) Redevelopment Program

Purpose: To replace the existing 1964 Central Terminal Building (CTB) and associated aeronautical ramps, utilities, roadway network and other supporting infrastructure facilities to meet current and future passenger demands.

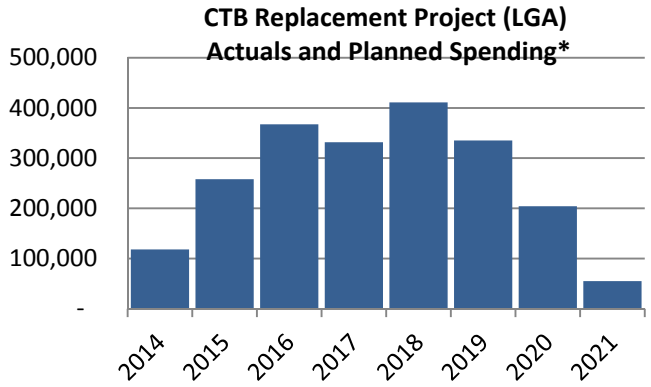
Scope:
The program is comprised of two major parts; the CTB Replacement Project delivered by a Public Private Partnership (PPP) and the LGA Capital Infrastructure Program delivered by the Port Authority. The CTB Replacement Project includes a new 35-gate common use terminal, 70 acres of aeronautical ramps, frontage roads, cooling and heating plant, and a consolidated receiving, warehousing and delivery facility.

The PPP will design, build, partially finance, operate and maintain the new terminal and related facilities until 2050. It will also design and construct several elements for the PA including the west garage, landside utilities and a new road and bridge system in the central terminal area. The LGA Capital Infrastructure Program includes design and construction of a new 27 MW electrical substation, east garage, infrastructure and the demolition of Hangar 2 and 4.

LGA Redevelopment Program	
Total Project Cost	$3.6 billion (PA cost limited to $2.2B)
Actuals through 2013	$65 million
Project Start Date	1Q 2006
Anticipated End Date	3Q 2021
Current Stage	Stage I (Design Complete)

Stakeholders: Airlines, passengers, tenants, NYSDOT (Grand Central Parkway), NYC MTA (bus services), FAA and TSA.

Project Phasing:
- Planning and design activities from 2006 – 2017
- Site preparation of landside starting in 2012
- Remainder of program to be implemented beginning in 2013
- Ten new gates are expected to be open in late 2016, with the new headhouse opening in 2018
- The complete, 35-gate CTB is expected to be in operation by late 2021



* $54 million in cumulative actuals from 2006 to 2013;
No anticipated spending post-2021

EWR Terminal A Redevelopment Program

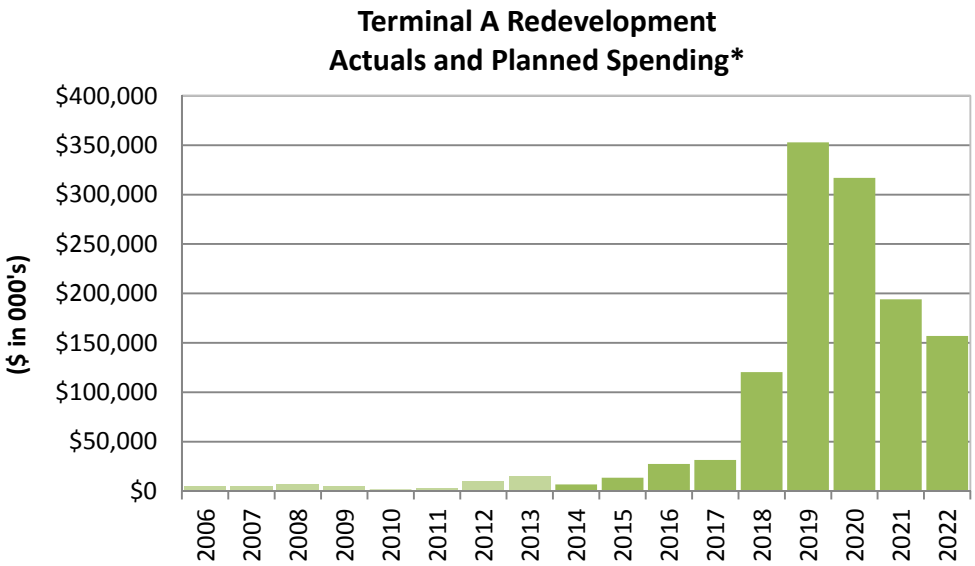
Purpose: To replace the existing 1973 Terminal A with a new modern facility to meet increased passenger demands.

Scope: The program includes construction of a new 33-gate common use terminal (expandable to 45), 144 acres of associated airfield work, new roadway system and a 3,000-space parking garage complex.

Stakeholders:
Airlines, passengers and tenants, NJDEP, FAA, and TSA .

Project Phasing:
- Planning and design activities from 2013 – 2017
- Site preparation of landside starting in 2015
- Remainder of program implemented starting in 2018
- Anticipate 60 percent opening of Terminal in 2020
- Program Completion in 2022

EWR Terminal A Redevelopment Program	
Total Project Cost	$2.0 billion (PA cost limited $1.2 B)
Actuals through 2013	$50.1 million
Project Start Date	2006
Anticipated End Date	4Q 2022
Current Stage	Phase II Planning (Stage 1)



* No spending forecasted post-2022

DRAFT SUBJECT TO CHANGE 2-4-14

Harrison Station Replacement and Upgrade

Purpose: Renovation of a PATH station that was built in 1936 and is now at the end of its useful life.

Scope: Station renovation includes:

- New station entrances serving the westbound and eastbound platforms with entrances to each platform on both sides of Frank E. Rodgers Boulevard
- Glass-enclosed entrances providing weather-protected facilities from the entry vestibules through platform-level waiting areas with heightened visibility and clear way-finding signage for passengers
- Widened stairs and escalator access to both eastbound and westbound platforms and new elevators
- New extended platforms capable of supporting up to ten-car train operations (the current platforms are limited to eight-car trains)

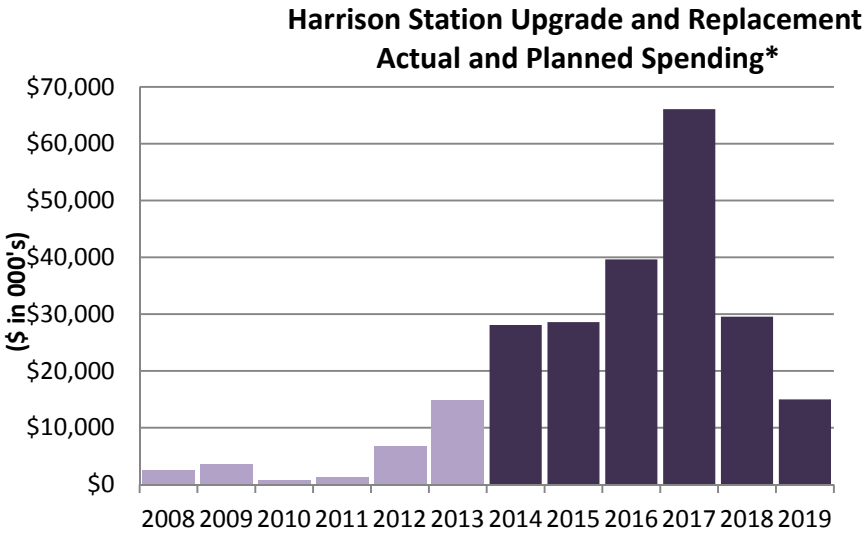
Stakeholders: Port Authority PATH, Commuters, the Town of Harrison, Amtrak, Local Developers

Project Phasing: Construct temporary platforms to the West for both platforms to continue normal 8- car train operations while the Northeast and Southeast Headhouses are constructed. Upon completion of the Northeast and Southeast Headhouses, construction of the Northwest and Southwest Headhouses will begin.

All construction to occur under a Construction Manager General

Contractor Work Order Construction Contract awarded to Halmar International in January 2013. Contractor has commenced with constructability review and buy-out of early action items.

Harrison Station Upgrade	
Total Project Cost	$249 million
Actuals through 2013	$29.7 million
Project Start Date	2Q 2008
Anticipated End Date	1Q 2018
Current Stage	Final Design and Construction (Stages 3 & 4)



*No anticipated spending post-2019

DRAFT SUBJECT TO CHANGE 2-4-14

Grove Street Station – Capacity Enhancements and Station Modernization

Purpose: Provide for the enhancement and upgrade of PATH's Grove Street Station, inclusive of improvements necessary to accommodate 10-car train operations, ADA compliant elevators, NFPA egress requirements to meet future ridership forecast and overall station modernization.

Scope: To modernize PATH train station and accommodate 10-car train operations on the Newark to World Trade Center service line.

The proposed Phase 2 improvements include the staged elevators for ADA Compliance: Two elevators from Street to Mezzanine level and one elevator from Mezzanine to Platform level

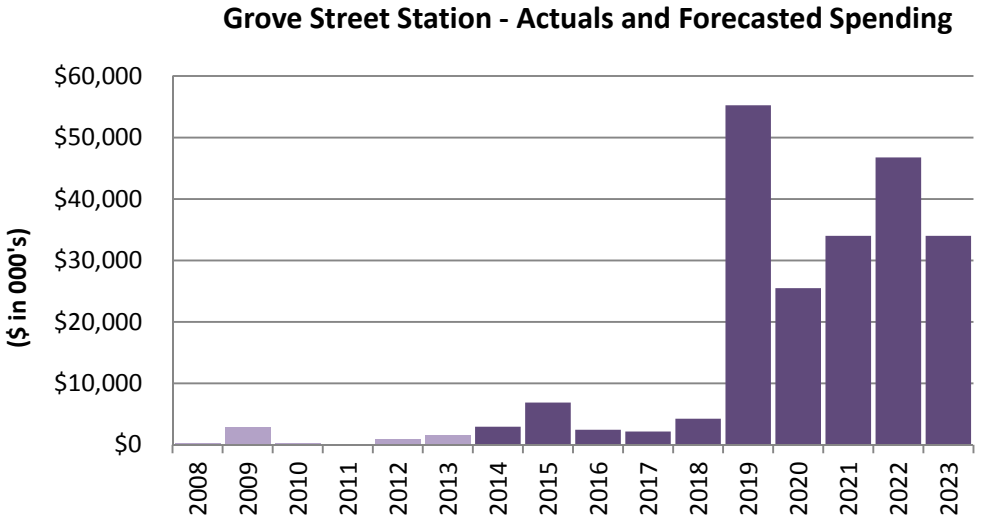
Stakeholders: PA, PATH, Jersey City, Wells Garage Realtors, Gregory Park Developers, PATH patrons

Project Phasing:
Phase 1- Interim ADA Access

Phase 2 - Detailed design and construction of 10 car full Station Modernization

Mezzanine Level Improvements: Existing (left) and Proposed (right)

Grove Street Station	
Total Project Cost	$192 million
Actuals through 2013	$5.6 million
Project Start Date	2Q 2008 Phase 1
Anticipated End Date	1Q 2016 Phase 1
Current Stage	Final Design (Stage 3) Phase 1



DRAFT SUBJECT TO CHANGE 2-4-14

PATH Extension to Newark Airport

Purpose: Extend PATH to Newark Liberty International Airport's Rail Link Station to enhance rail service to the airport from communities served by PATH, particularly Lower Manhattan.

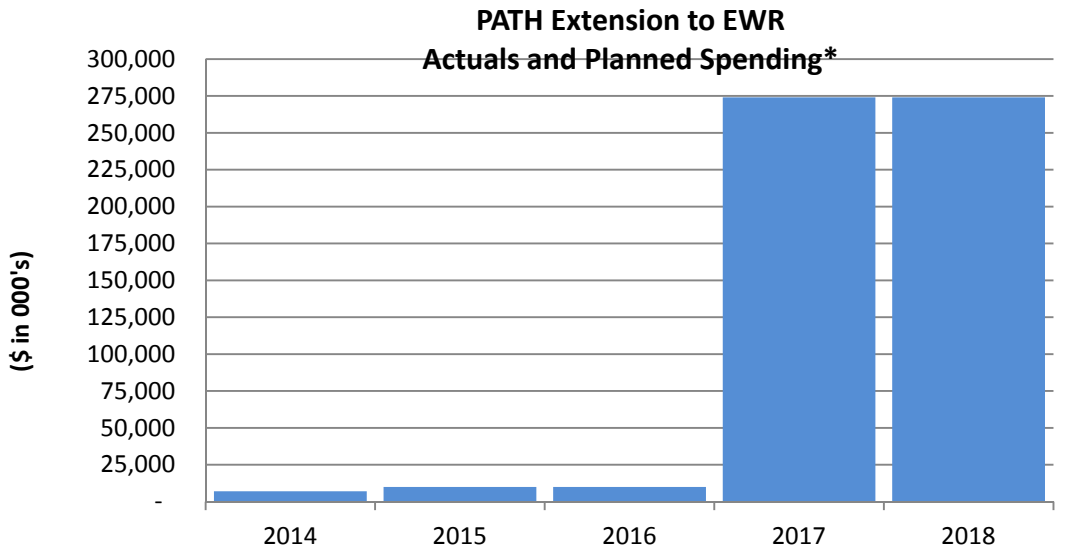
Scope:

- Construct new platforms and associated station passenger infrastructure at the Rail Link Station with connections to the existing Rail Link Station
- Replace the rail storage yard in the vicinity of the Rail Link Station
- Make modifications at Newark Penn Station to accommodate bidirectional passenger flow as well as limited vertical circulation improvements
- Investigate a Public-Private Partnership to construct a parking garage in the vicinity of the Rail Link Station for non-aviation commuters using the new station

PATH to Newark Airport	
Total Project Cost	$1.5 billion (PA cost limited to$1.0 B)
Actuals through 2013	$2.9 million
Project Start Date	3Q 2012
Anticipated End Date	2024
Current Stage	Planning (Stage 1)

Stakeholders: Amtrak, NJ Transit, New Jersey DOT, City of Newark, Federal Aviation Administration, Federal Railroad Administration, Federal Transit Administration, Federal Transit Administration, local business owners, and community.

Project Phasing: TBD forecast completion 2024.



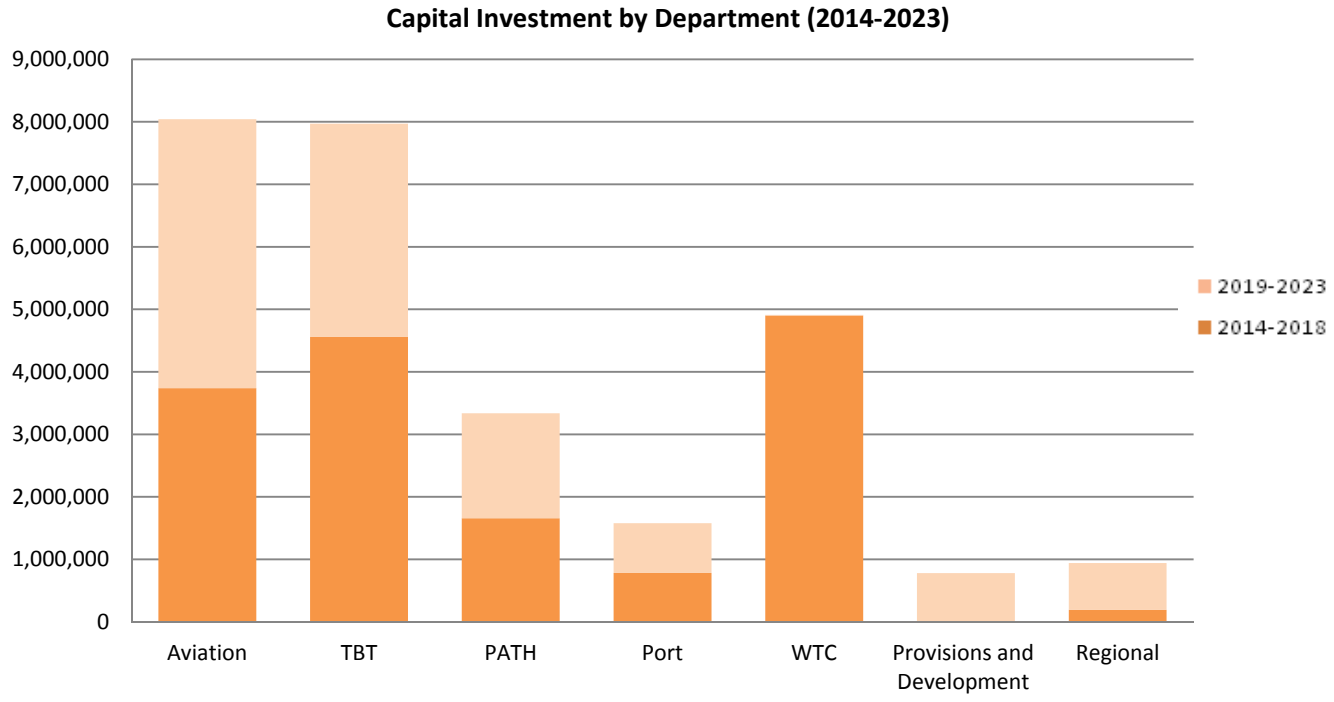
* $2.9 million cumulative actuals from 2008 to 2013; 2019-2023 spending is $625 million

Departmental Summaries

Each Line Department Summary contains the following information, detailing departmental plans over the next ten years with focus on the first five (2014-2018).

1. 5- Year Spending Overview
2. Major Projects
3. Core Projects
    a. Top 10 Projects
    b. Composition by Department and Type
    c. SGR Analysis
4. Complete Project Listing

Summary data on the WTC Redevelopment effort is included, along with a description of provisions within the Capital Plan. These provisions allocate funding for capital investment in the Technology Services Department, the Capital Major Works Program, and anticipated Future State of Good Repair Requirements.



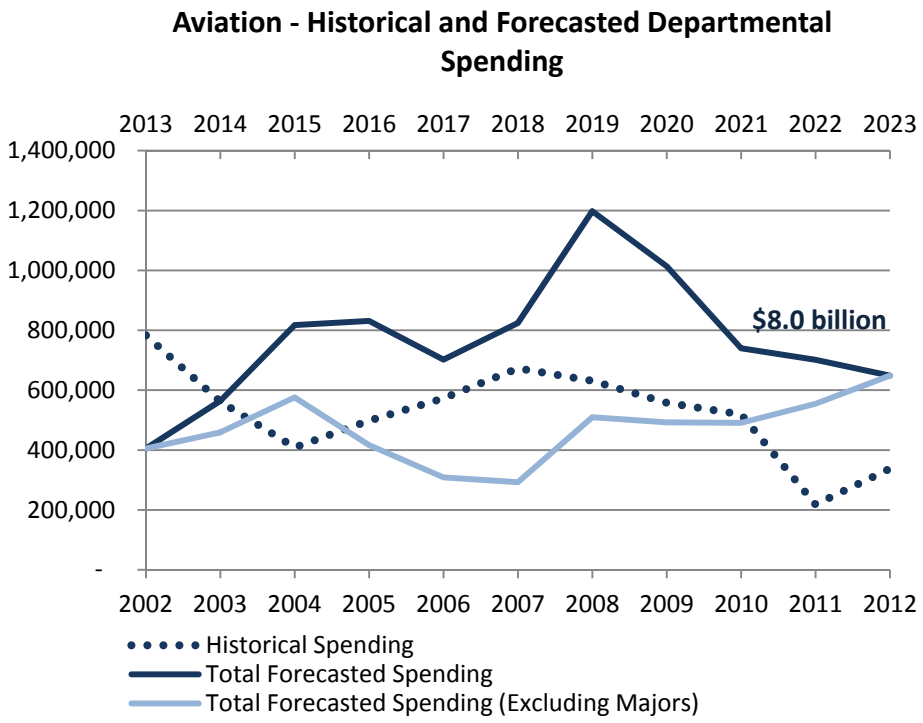
DRAFT SUBJECT TO CHANGE 2-4-14

Aviation

Aviation's capital portfolio consists of two major project initiatives in addition to the core department program, which totals $8.0 billion in the next ten years. Of the $8.0 billion in capital investment throughout 2014-2023, $3.7 billion is forecasted to be spent in 2014-2018, which is 46% of its plan.

Aviation's core departmental spending over the next ten years is similar to historical levels (from 2002 to 2012).

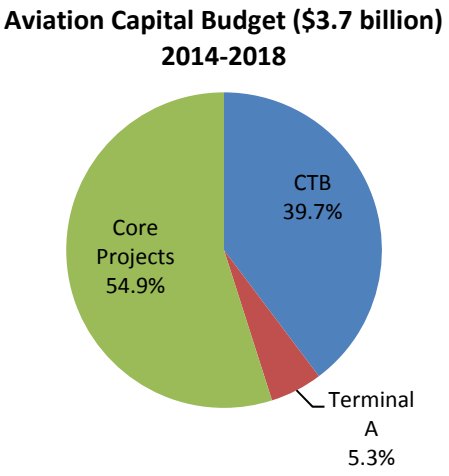
Aviation's total forecasted spending drops significantly in 2015- 2018 due to the completion of several runway projects, however greatly increases in 2019-2023, due to the commencement of significant work on Terminal A Redevelopment at Newark International Airport, as well as continued investment in the CTB Redevelopment Project at LaGuardia.



Five Year Spending Analysis

In the next five years (2014-2018), $ 2 billion will be spent on core projects in the Aviation department. Of the $2.0 billion, 83% will be for State of Good Repair projects and projects that are in active construction.

Aviation Capital Projects 2014-2018 ($ in 000's)	
Capital Budget (2014-2018)	3,739,433
Capital Budget as % of 5 Yr Plan	23.6%
Number of Projects	211
Number of Major Projects	2
Major Project Budget (2014-2018)	1,685,800
Major Project Budget as % of Departmental Budget	45.1%
Core Project Budget (2014-2018)	2,053,633



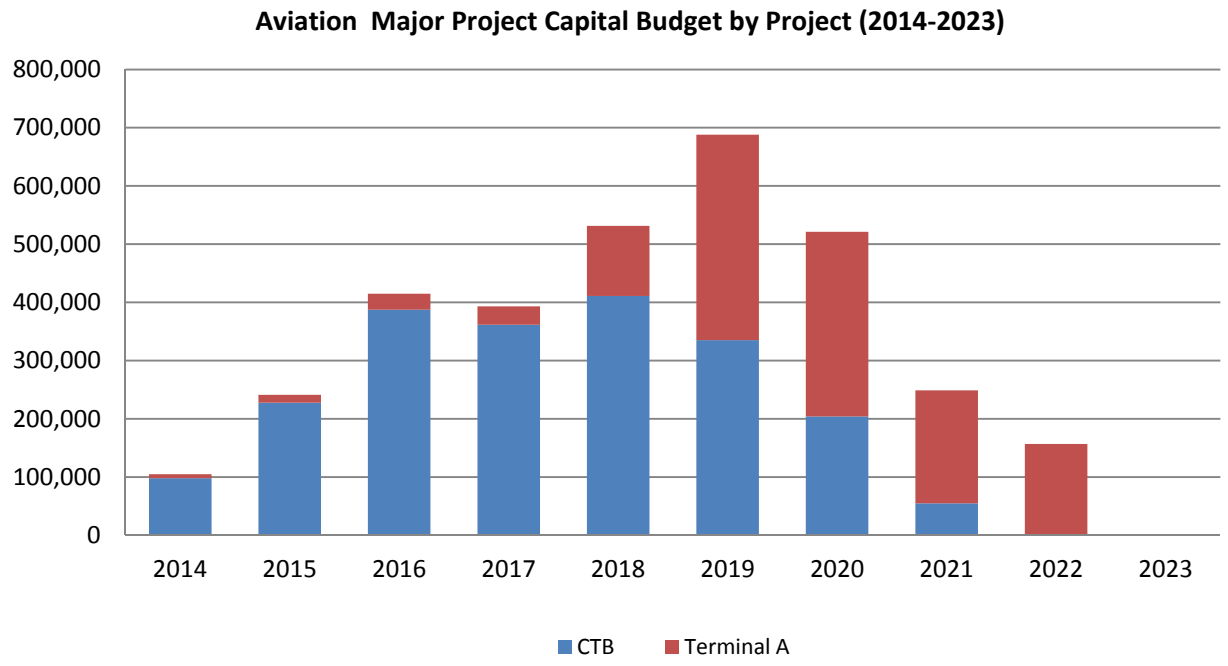
DRAFT SUBJECT TO CHANGE 2-4-14

Aviation 5 – Year Capital Spending						($ in 000's)
	2014	2015	2016	2017	2018	2014-2018
Mandatory	18,473	30,060	5,557	2,134	10,094	66,318
Security	8,829	16,278	23,736	17,648	24,600	91,091
SGR	99,538	248,097	264,977	199,812	148,557	960,980
Stage 4 – Construction	302,975	249,981	85,493	63,714	51,112	753,275
SEP/RPP	29,561	31,562	36,902	25,572	58,371	181,969
Core Projects Subtotal	459,377	575,979	416,664	308,880	292,733	2,053,633
CTB	98,201	227,903	387,366	361,683	411,036	1,486,188
Terminal A	6,750	13,500	27,500	31,500	120,362	199,612
Major Projects Subtotal	104,951	241,403	414,866	393,183	531,398	1,685,800
Total Capital Budget	564,328	817,381	831,530	702,063	824,131	3,739,433

Major Projects

Over the next ten years, the Aviation department is undertaking two major capital projects, which total $3.3 billion in Port Authority capital investment, with approximately $1.6 billion (51%), occurring in 2014-2018.

Aviation Major Projects ($ in 000's)	2014-2018	2019-2023	2014-2023
CTB	1,486,188	594,357	2,080,545
Terminal A	199,612	1,020,892	1,220,504
Total	1,685,800	1,615,249	3,301,049



Core Department Projects (Excludes Majors)

Aviation's core program consists of 188 projects, with $4.7 billion in spending over the next ten years. Of the $4.7 billion, $2.0 billion (43%) is scheduled to be spent in the first five years of the plan. Listed below are Aviation's largest upcoming core projects, ranked by total spending in 2014-2023.

Rank	Top 10 ($ in 000's)	Stage	2014-2018	2019-2023	2014-2023	TPC
1	Rehabilitation of Runway 4L-22R (JFK)	3	333,666	30,000	363,666	445,681
2	End Around Taxiways for Runway 4L-22R (EWR)	P	40,325	214,125	254,450	254,450
3	Redevelopment of Terminal 4 (JFK)	4	185,864	35,266	221,130	222,927
4	Infrastructure Renewal – Fuel Distribution-Phase 1 (EWR)	3	76,585	59,000	135,585	146,124
5	Rehabilitation of Runway 4R-22L (JFK)	P	61,452	64,119	125,570	125,570
6	Replacement of Pumps and Underground Piping Systems Satellite Fuel Farm and Bulk Fuel Farm (JFK)	P	0	114,661	114,661	836,455
7	Runway 13 and 22 Decks Safety Overrun (JFK)	4	95,989	0	95,989	95,989
8	Rehabilitation/Replacement of High Pressure Water (JFK)	P	767	87,188	87,955	87,956
9	Rehabilitation of Runway 4L-22R (LGA)	3	75,493	0	75,493	97,500
10	Rehabilitation of Runways 9-27 and 16-34 (SWF)	4	71,750	0	71,750	99,697

Composition of Core Projects

The majority of core departmental projects and investment in both five year periods is at JFK International Airport, with $1.7 billion in total investment. However, it should be noted that the CTB project at LaGuardia and Terminal A Redevelopment at Newark Airports not reflected in the core program spending. These projects are highlighted as major initiatives.

Core Department Capital Spending by Facility ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Share of Core Dept Spending
LaGuardia	36	336,370	71,532	407,901	9%
JFK	60	926,755	825,136	1,751,892	37%
Newark	52	581,046	416,401	997,447	21%
Teterboro	16	54,951	99,116	154,067	3%
Stewart	24	129,511	132,609	262,121	6%
Provisions (SGR/CMWP/CPR)	0	25,000	1,142,178	1,167,178	25%
Total Core Projects	188	2,053,633	2,686,973	4,740,606	

Core Department Capital Spending by Project Type ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Share of Core Dept Spending
State of Good Repair[1]	104	1,242,100	2,290,388	3,532,488	75%
Mandatory	24	249,630	39,954	289,584	6%
Security	33	392,142	338,412	730,554	15%
SEP/RPP	27	169,762	18,219	187,980	4%
Total Core Projects	188	2,053,633	2,686,973	4,740,606	

[1] State of Good Repair total reflects $1.0 billion of allocated funds for future CPR and SGR requirements.

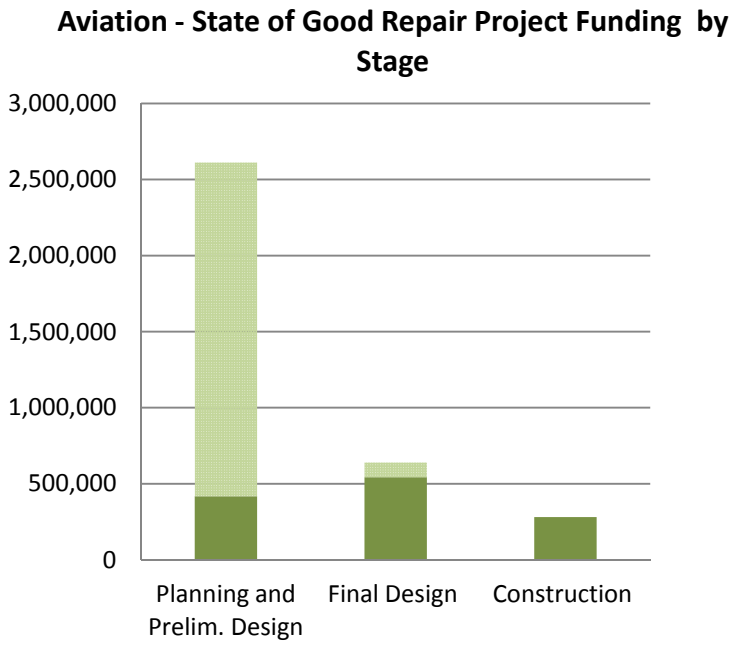
DRAFT SUBJECT TO CHANGE 2-4-14

State of Good Repair Program

Aviation's core department portfolio largely consists of State of Good Repair projects, which total $3.5 billion in spending from 2014-2023, with approximately $1.2 billion occurring in the first five years.

The State of Good Repair program consists of the most highly ranked projects (based on physical condition, life safety and operational impact), which span across all airport facilities. Of Aviation's total budget for 2014-2023 (including major projects), approximately 44% is dedicated to State of Good Repair projects.

Aviation SGR Projects ($ in 000's)	
Total SGR Budget (2014-2023)	3,532,488
SGR Budget as Share of Dept. Budget	43.9%
SGR Budget (2014-2018)	1,242,100
SGR Budget (2019-2023)	2,290,388
Number of SGR Projects	104
Number of SGR Projects in Stage 4	27
Share of SGR Projects in Stage 4	26.0%
Stage 4 Project Budget	281,120



DRAFT SUBJECT TO CHANGE 2-4-14

PORT AUTHORITY OF NEW YORK & NEW JERSEY
2014-2023 CAPITAL PLAN
BY DEPARTMENT AND FACILITY
(in thousands)

Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
AVIATION											
	CA02-LaGUARDIA AIRPORT										
CA02-037	PHYSICAL PROTECTION OF TERMINAL BUILDING GLASS	SEC	P	247	1,002	5,135	-	-	6,384	-	6,384
CA02-045	INSTALLATION OF CCTV AT SELECT AOA ACCESS DOORS	SEC	P	419	1,646	1,084	-	-	3,149	-	3,149
CA02-053	SCHOOL SOUNDPROOFING - PHASE 3	MAND	4	5,560	7,860	-	-	-	13,420	-	13,420
CA02-114	INSTALLATION OF BOLLARD AT TENANT TERMINALS	SEC	4	972	2,650	-	-	-	3,622	-	3,622
CA02-117	UPGRADE OF GUARD POST VEHICLE BARRIER CONTROL PANELS	SEC	4	211	-	-	-	-	211	-	211
CA02-118	REHABILITATION OF RUNWAYS DECK WEARING SURFACE	SGR	1	-	-	-	-	137	137	11,020	11,157
CA02-127	REHABILITATION OF RUNWAY DECK PRIORITY STRUCTURAL ELEMENTS - I	SGR	4	888	-	-	-	-	888	-	888
CA02-128	TRANSFER OF RUNWAY DECK ELECTRICAL CIRCUITS	SGR	4	2,397	1,071	-	-	-	3,468	-	3,468
CA02-129	REHABILITATION OF RUNWAY DECK STRUCTURAL ELEMENTS - 2	SGR	1	1,079	2,933	5,363	-	-	9,375	-	9,375
CA02-231	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	5,940	1,413	-	-	-	7,353	-	7,353
CA02-246	AIRPORT CHECKPOINT DIGITAL CCTV SYSTEM ENHANCEMENTS	SEC	3	250	153	1,575	-	-	1,978	-	1,978
CA02-328	UPGRADE PUMPS IN PUMP HOUSE 4	SGR	4	3,703	3,995	4,290	-	-	11,988	-	11,988
CA02-330	BIOMETRICS	SEC	3	-	45	407	2,483	-	2,935	-	2,935
CA02-352	DEICING PRODUCT RECOVERY	MAND	P	-	-	-	-	717	717	6,728	7,444
CA02-353	CONSTRUCT UNDERGROUND GLYCOL STORAGE FACILITY AT WEST END	MAND	P	-	-	-	-	-	-	7,461	7,461
CA02-360	REHABILITATION OF EAST END LGA ROAD PAVEMENT	SGR	4	1,773	923	-	-	-	2,696	-	2,696
CA02-368	REALIGNMENT OF WESTSIDE TAXIWAYS Y, CY, AA, BB, F, D AND RVSR	MAND	4	1,161	1,248	-	-	-	2,409	-	2,409
CA02-381	EMERGENCY GENERATORS	SGR	1	-	-	-	-	619	619	13,868	14,487
CA02-388	CMWP - REHABILITATION OF CENTRAL TERMINAL ROAD	SGR	3	421	-	-	-	-	421	-	421
CA02-401	REHABILITATION OF RUNWAY 13-31 AND ASSOCIATED TAXIWAYS	SGR	1	835	12,058	15,768	10,004	-	38,665	-	38,665
CA02-417	RUNWAY 13 & 22 DECKS SAFETY OVERRUN	MAND	4	31,872	54,909	9,208	-	-	95,989	-	95,989
CA02-423	REHABILITATION OF TAXIWAYS WEST OF RUNWAY 4-22	SGR	P	2,845	7,651	780	-	-	11,276	-	11,276
CA02-434	CTB WATER DAMAGE REMEDIATION PHASE - 2	SGR	4	1,614	412	-	-	-	2,027	-	2,027
CA02-435	CTB CONCOURSE PLANK REHABILITATION	SGR	4	786	1,052	-	-	-	1,838	-	1,838
CA02-445	REHABILITATION OF TAXIWAYS A, M, AND ZA	SGR	4	6,945	3,540	-	-	-	10,485	-	10,485
CA02-446	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	375	375	4,877	5,252
CA02-447	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	1,349	1,379	-	-	-	2,728	-	2,728
CA02-451	CMWP - TRAFFIC AND INTERSECTION SAFETY IMPROVEMENTS - PHASE 1	MAND	4	964	159	-	-	-	1,123	-	1,123
CA02-454	FEEDER UPGRADE AND REDISTRIBUTION FOR DELTA 2013 EXPANSION OF DELTA AIRLINES	SEP	4	832	894	-	-	-	1,726	-	1,726
CA02-464	REPLACEMENT OF THE RUNWAY DECK EXPANSION JOINTS	SGR	P	-	215	672	915	3,828	5,630	16,555	22,186

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Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
CA02-465	REHABILITATION OF RUNWAY DECK PRIORITY STRUCTURAL ELEMENTS - 3	SGR	P	-	792	4,858	6,162	2,896	14,708	-	14,708
CA02-466	REHABILITATION OF TAXIWAY "A" FROM ("L" TO "B") AND TAXIWAY "B" (FROM "G" TO "CY")	SGR	P	507	4,576	3,528	-	-	8,611	-	8,611
CA02-467	REHABILITATION OF TAXIWAY "B" (FROM "G" TO "V")	SGR	P	-	625	1,323	7,486	9,667	19,100	2,716	21,817
CA02-468	REHABILITATION OF TAXIWAY "AA" AND TAXIWAY "BB" (RUNWAY 4 THRESHOLD TO "E")	SGR	P	-	-	-	264	606	870	8,306	9,176
CA02-470	REPLACEMENT OF RUNWAY 4 & 31 EMAS	SGR	4	12,047	-	-	-	-	12,047	-	12,047
CA02-486	LAGUARDIA AIRPORT FLOOD CONTROL AND RESILIENCY IMPROVEMENTS	SEP	1	2,400	15,000	20,000	-	-	37,400	-	37,400
CA02-372	CTB REDEVELOPMENT PROGRAM - CENTRAL HEATING & REFRIGERATION PLANT	SGR	P	-	7,500	20,000	20,000	20,000	67,500	-	67,500
CA02-419	CTB REDEVELOPMENT PROGRAM - TERMINAL CONSTRUCTION AND RAMP	RPP	P	-	70,000	140,000	137,709	200,000	547,709	272,751	820,460
CA02-429	DEVELOPMENT OF INGRAHAM'S MOUNTAIN	SEP	1	8,135	12,052	9,492	5,265	-	34,944	-	34,944
CA02-460	WEST END 5KV DUCTBANK INFRASTRUCTURE UPGRADE	SEP	3	9,313	8,967	7,824	3,200	-	29,304	-	29,304
CA02-461	EAST END SUBSTATION FOUNDATION AND SITE UTILITIES	SGR	3	2,202	2,202	1,102	1,112	-	6,618	-	6,618
CA02-441	CTB REDEVELOPMENT PROGRAM - AIR TERMINAL RESTRICTED DEVICE RD & TAXIWAYS CONNECTIONS	SEP	P	-	-	10,000	10,000	10,000	30,000	30,000	60,000
	CTB PROGRAM			**19,650**	**100,721**	**188,418**	**177,286**	**230,000**	**716,075**	**302,751**	**1,018,826**
CA02-339	CTB REDEVELOPMENT PROGRAM PLANNING & DESIGN - PHASE 2	RPP	M	1,267	-	-	-	-	1,267	-	1,267
CA02-440	CTB REDEVELOPMENT PROGRAM - REPLACEMENT OF UTILITIES EAST OF GUARD POST 1	SGR	P	13,082	20,193	41,211	31,419	12,181	118,086	35,734	153,820
CA02-442	CTB REDEVELOPMENT PROGRAM - AIR TERMINAL HIGHWAY EAST OF GUARD POST 1	SEP	P	580	20,859	42,652	59,613	81,507	205,210	239,871	445,082
CA02-443	CTB REDEVELOPMENT PROGRAM - SURFACE AND STRUCTURE PARKING PROGRAM	SEP	P	11,276	36,145	74,564	54,480	30,994	207,459	16,000	223,459
CA02-444	CTB REDEVELOPMENT PROGRAM - HANGARS 2 & 4 SITE REUTILIZATION	SEP	P	11,825	9,464	-	-	-	21,289	-	21,289
CA02-469	CTB REDEVELOPMENT PROGRAM - EAST END SUBSTATION BUILDING, EQUIPMENT AND FEEDERS	SGR	3	15,583	15,583	15,583	15,586	23,435	85,770	-	85,770
CA02-474	CTB REDEVELOPMENT PROGRAM - EAST PARKING GARAGE	SEP	1	13,846	13,846	13,846	13,847	23,468	78,853	-	78,853
CA02-482	CTB REDEVELOPMENT PROGRAM - FINAL PLANNING & DESIGN	RPP	M	11,092	11,092	11,092	9,452	9,451	52,179	-	52,179
	CTB INFRASTRUCTURE PROGRAM			**78,551**	**127,182**	**198,948**	**184,397**	**181,036**	**770,113**	**291,605**	**1,061,719**
	LaGUARDIA AIRPORT Subtotal	**50**		**186,221**	**356,102**	**461,355**	**388,998**	**429,881**	**1,822,558**	**665,889**	**2,488,446**
	CA03, 32-JFK AIRPORT										
CA03-016	EMERGENCY FUEL SHUTOFF SYSTEM	MAND	4	266	-	-	-	-	266	-	266
CA03-TB1	INSTALLATION OF WELCOME CENTERS AT TERMINAL 4 AND 5	SEP	P	200	365	-	-	-	565	-	565
CA03-017	REPLACEMENT OF GEOCOMPOSITE LINERS AT BULK FUEL FARM - PHASE 2	MAND	4	1,045	-	-	-	-	1,045	-	1,045
CA03-018	REPLACEMENT OF HANGAR 19 ROOF	SGR	P	-	-	-	-	942	942	7,446	8,387

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Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
CA03-023	PAVEMENT REHABILITATION OF NORTH BOUNDARY EASTERN, & NORTH HANGAR ROAD	SGR	4	3,055	-	-	-	-	3,055	-	3,055
CA03-025	PAVEMENT REHABILITATION OF PAN-AM AND BERGEN ROAD & FEDERAL CIRCLE RAMPS	SGR	3	516	3,629	3,998	357	-	8,500	-	8,500
CA03-032	REHABILITATION OF TAXIWAYS FA & FB	SGR	4	4,166	1,447	1,628	-	-	7,240	-	7,240
CA03-036	PAVEMENT REHABILITATION OF EAST & WEST HANGAR ROAD	SGR	4	1,655	-	-	-	-	1,655	-	1,655
CA03-061	CCTV EQUIPMENT IN TERMINAL BAGGAGE AREAS	SEC	1	490	1,564	7,306	5,473	-	14,833	-	14,833
CA03-075	TWA FLIGHT CENTER INTERIOR RENOVATION	RPP	4	138	-	-	-	-	138	-	138
CA03-141	INSTALLATION OF BOLLARD AT TENANT TERMINALS	SEC	4	8,784	8,978	114	229	2,686	20,791	-	20,791
CA03-145	UPGRADE OF GUARD POST ANTI-RAM VEHICLE BARRIER CONTROL PANELS	SEC	4	211	-	-	-	-	211	-	211
CA03-168	REHABILITATION OF RUNWAY 4L-22R	SGR	3	27,798	96,663	83,695	95,510	30,000	333,666	30,000	363,666
CA03-207	REHABILITATION OF BULK FUEL FARM ROADWAY	SGR	P	-	-	-	-	481	481	18,323	18,805
CA03-234	PAVEMENT REHABILITATION OF CARGO PLAZA ROAD & CENTER CARGO ROAD	SGR	4	1,107	-	-	-	-	1,107	-	1,107
CA03-243	RUNWAY 13L-31R RUNWAY SAFETY AREA COMPLIANCE	MAND	1	1,915	18,908	4,001	2,134	7,989	34,947	-	34,947
CA03-389	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	8,818	3,290	-	-	-	12,108	-	12,108
CA03-391	AIRPORT CHECKPOINT DIGITAL CCTV SYSTEM IMPROVEMENTS	SEC	4	1,666	3,839	-	-	-	5,505	-	5,505
CA03-505	BIOMETRICS	SEC	4	-	51	2,722	926	-	3,699	-	3,699
CA03-507	UNMANNED GATES	SEC	4	1,625	3,117	5,676	-	-	10,418	-	10,418
CA03-516	REHABILITATION OF RUNWAY 4R-22L	SGR	P	368	811	19,772	15,000	25,500	61,452	64,119	125,570
CA03-518	REPLACEMENT OF RUNWAY 4R APPROACH LIGHTING SYSTEM PIER	SGR	P	-	-	-	-	8,249	8,249	18,630	26,879
CA03-529	REHABILITATION OF TAXIWAY Q AND QG	SGR	1	3,192	3,408	24,684	20,374	3,826	55,484	-	55,484
CA03-542	PAVEMENT REHABILITATION OF LOOP & NORTH SERVICE ROAD	SGR	4	491	-	-	-	-	491	-	491
CA03-543	REHABILITATION OF TAXIWAY W (N OF RUNWAY 13L)	SGR	1	-	-	-	-	260	260	9,791	10,051
CA03-546	TAXIWAY "U" (FROM "B" TO "CB")	SGR	1	-	-	-	-	882	882	22,947	23,829
CA03-554	REHABILITATION OF 148TH STREET AND JFK EXPRESSWAY RAMPS	SGR	4	1,416	-	-	-	-	1,416	-	1,416
CA03-555	REHABILITATION OF VAN WYCK NORTH & SOUTH SERVICE ROAD	SGR	4	3,422	-	-	-	-	3,422	-	3,422
CA03-565	CONSTRUCTION OF CENTRALIZED DE-ICING FACILITY - PHASE 2	RPP	1	350	-	-	-	-	350	-	350
CA03-574	BUILDING 156 (CONTROL TOWER) ROOFING AND HVAC REPLACEMENT	SGR	1	2,380	6,787	6,865	3,105	3,001	22,137	-	22,137
CA03-576	RELOCATION OF RESTRICTED VEHICLE SERVICE ROAD BRIDGE - J2	SEP	4	2,320	-	-	-	-	2,320	-	2,320
CA03-591	REDEVELOPMENT OF TERMINAL 4	RPP	4	71,055	55,281	10,000	24,527	25,000	185,864	35,266	221,130
CA03-594	REHABILITATION OF PAVEMENT CARGO SERVICE ROAD	SGR	4	2,641	170	-	-	-	2,811	-	2,811
CA03-603	BUILDING 254 REHABILITATION	SGR	1	-	-	-	-	333	333	8,146	8,479
CA03-605	ROOF REPLACEMENT PROGRAM BUILDING 14	SGR	1	-	-	-	-	753	753	13,967	14,720

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CA03-607	REPLACEMENT OF FUEL STORAGE TANK SYSTEMS - BULK FUEL FARM	SGR	P	-	-	-	-	-	-	7,524	7,524
CA03-608	REPLACEMENT OF PUMPS & UNDERGROUND PIPING SYSTEMS SATELLITE FUEL FARM & BULK FUEL FARM	SGR	P	-	-	-	-	-	-	114,661	114,661
CA03-612	REHABILITATION OF RUNWAY 13L-31R	SGR	P	-	-	-	-	4,498	4,498	56,547	61,045
CA03-614	REHABILITATION OF TAXIWAY B (TAXIWAY N TO TAXIWAY TB)	SGR	4	10,314	10,623	-	-	-	20,937	-	20,937
CA03-616	NORTH BOUNDARY ROAD REALIGNMENT	MAND	3	5,785	-	-	-	-	5,785	-	5,785
CA03-618	RELOCATION OF RESTRICTED VEHICLE SERVICE ROAD BRIDGE - J8	SEP	4	5,488	3,559	-	-	-	9,047	-	9,047
CA03-619	REHABILITATION OF TAXIWAY Z AND H AND G	SGR	1	-	-	-	-	278	278	16,470	16,748
CA03-620	REHABILITATION OF VAN WYCK SUBSTATION	SGR	P	-	-	-	-	1,378	1,378	35,529	36,907
CA03-621	REPLACEMENT OF 5KV FEEDERS	SGR	3	9,775	13,251	13,734	3,000	-	39,760	-	39,760
CA03-628	REHABILITATION OF TAXIWAYS A & B EAST (TAXIWAY EA TO TAXIWAY J)	SGR	1	-	-	-	-	666	666	59,784	60,450
CA03-632	CENTRAL SUBSTATION UNITS E&F	SGR	P	-	-	-	-	-	-	23,758	23,758
CA03-633	REHABILITATION OF BERGEN SUBSTATION AT JFK	SGR	1	-	-	-	-	318	318	39,489	39,807
CA03-634	REHABILITATION OF FARMER'S SUBSTATION	SGR	P	-	-	-	-	-	-	37,826	37,826
CA03-636	SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)	SGR	3	-	-	-	-	565	565	7,120	7,685
CA03-638	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	1,624	1,624	3,625	5,249
CA03-639	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	1,742	1,998	-	-	-	3,740	-	3,740
CA03-645	CMWP - SWITCH HOUSE #2 CLIMATE CONTROL AND RELATED WORK	SGR	3	853	-	-	-	-	853	-	853
CA03-646	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SGR	1	1,423	1,456	-	-	-	2,879	-	2,879
CA03-676	REHABILITATION OF 5KV DISTRIBUTION SYSTEM	SGR	P	-	-	-	-	384	384	17,674	18,058
CA03-677	UPGRADE/REHABILITATION FACILITY-WIDE FIRE ALARM SYSTEM	SGR	P	184	325	380	400	2,952	4,241	11,924	16,164
CA03-678	REHABILITATION/REPLACEMENT OF HIGH PRESSURE WATER	SGR	P	-	-	-	-	767	767	87,188	87,955
CA03-679	REHABILITATION/REPLACEMENT OF LOW PRESSURE WATER	SGR	P	-	-	-	-	495	495	50,880	51,375
CA03-760	ENGINEERED MATERIAL ARRESTOR SYSTEM	MAND	3	9,250	10,000	-	-	-	19,250	-	19,250
CA03-758	REALIGNMENT OF NORTH BOUNDARY RD, RVSR AND AOA FENCE WEST OF R/W 13L-31R	MAND	1	-	-	-	-	856	856	19,530	20,386
CA32-048	REDEVELOPMENT OF TERMINAL 5	RPP	4	-	-	-	-	1,039	1,039	6,971	8,009
	JFK AIRPORT Subtotal	**60**		**195,905**	**249,520**	**184,575**	**171,035**	**125,720**	**926,755**	**825,136**	**1,751,892**
	CA04, 44-NEWARK LIBERTY AIRPORT										
CA04-057	CMWP - AIRTRAIN GUIDEWAY COLUMN PROTECTION	SEP	3	214	-	-	-	-	214	-	214
CA04-547	CMWP - REHABILITATION OF FUEL PIT VAULT HATCHES AT C1 RAMP	MAND	P	629	-	-	-	-	629	-	629
CA04-635	CMWP - INSTALLATION OF BUILDING 190 PARKING LOT ACCESS AND UNDERGROUND UTILITY	SEP	3	619	210	-	-	-	829	-	829
CA04-041	SCHOOL SOUNDPROOFING - PHASE 3	MAND	4	1,776	6,179	6,162	3,000	-	17,117	-	17,117
CA04-045	PHYSICAL PROTECTION OF TERMINAL BUILDING GLASS	SEC	P	95	1,541	2,947	8,267	24,600	37,450	18,219	55,668

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CA04-049	CCTV EQUIPMENT IN TERMINAL BAGGAGE AREAS	SEC	P	822	2,508	719	-	-	4,049	-	4,049
CA04-054	INSTALLATION OF CCTV AT SELECT AOA ACCESS DOORS	SEC	P	420	1,646	1,084	-	-	3,150	-	3,150
CA04-294	REPLACEMENT OF TERMINAL B FIRE ALARM SYSTEM	SGR	P	-	-	-	-	97	97	5,657	5,754
CA04-316	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	4,482	1,592	-	-	-	6,074	-	6,074
CA04-319	AIRPORT CHECKPOINT DIGITAL CCTV SYSTEM ENHANCEMENTS	SEC	4	611	-	-	-	-	611	-	611
CA04-397	BIOMETRICS	SEC	3	-	56	1,297	721	-	2,074	-	2,074
CA04-455	REHABILITATION OF RUNWAY 4L-22R	SGR	3	28,401	26,184	10,908	10,000	-	75,493	-	75,493
CA04-468	CENTRAL TERMINAL AREA 27KV ELECTRICAL DISTRIBUTION LOOP CLOSURE	SEP	3	4,990	2,700	-	-	-	7,690	-	7,690
CA04-473	TERMINAL B REHABILITATION ELECTRICAL & MECHANICAL SYSTEM - PHASE 2	SGR	4	887	-	-	-	-	887	-	887
CA04-482	INSTALLATION OF BOLLARD AT TENANT TERMINALS	SEC	4	1,309	2,846	-	-	-	4,155	-	4,155
CA04-498	REPLACEMENT OF HIGH TEMPERATURE HOT WATER GENERATORS AT CHRP	SGR	4	3,630	3,598	3,551	1,000	-	11,779	-	11,779
CA04-507	REHABILITATION OF TAXIWAY P DELAY REDUCTION AND OTHER IMPROVEMENTS	SGR	4	2,257	-	-	-	-	2,257	-	2,257
CA04-512	RELOCATE BREWSTER ROAD & SITEWORK PREPARATION FOR EMAS	MAND	4	3,709	-	-	-	-	3,709	-	3,709
CA04-513	AIRTRAIN BASE GUIDEWAY MID-LIFE OVERHAUL	SGR	4	976	2,154	4,998	5,991	6,387	20,506	-	20,506
CA04-514	AIRTRAIN BASE VEHICLE SUBSYSTEM LIFECYCLE OVERHAUL	SGR	4	4,922	8,606	20,119	19,468	16,000	69,115	-	69,115
CA04-516	INSTALLATION OF RUNWAY 11 EMAS FOR RSA IMPROVEMENTS	MAND	4	2,789	967	-	-	-	3,756	-	3,756
CA04-521	REHABILITATION OF TAXIWAY Y (FROM "RM" TO "S")	SGR	P	-	-	-	-	-	-	7,322	7,322
CA04-524	REHABILITATION OF TAXIWAY Z (FROM RUNWAY EDGE TO "UA")	SGR	P	-	-	-	-	-	-	2,258	2,258
CA04-528	REPLACEMENT OF CHRP NORTH ELECTRICAL SUBSTATION AND CHILLER UPGRADES	SGR	1	547	406	500	500	15,500	17,453	6,377	23,830
CA04-529	REHABILITATION OF CENTRAL TERMINAL AREA BRIDGES	SGR	P	-	-	-	-	1,440	1,440	8,296	9,736
CA04-530	REHABILITATION OF HIGH TEMPERATURE HOT WATER PIPING IN TERMINAL "A", "B" & "C"	SGR	0	-	-	-	-	-	-	-	-
CA04-538	REHABILITATION OF TERMINAL C DEPARTURE AND 1&9 EXIT SOUTH AREA ROADWAY	SGR	4	4,174	4,131	-	-	-	8,305	-	8,305
CA04-539	4TH ELECTRICAL SUBSTATION AT TERMINAL B	SEP	1	500	2,100	4,466	15,622	9,800	32,488	-	32,488
CA04-555	END-OF-LIFE REPLACEMENT OF AIRTRAIN HVAC	SGR	4	1,332	217	-	-	-	1,549	-	1,549
CA04-559	REPLACEMENT OF BRIDGE N20	SGR	P	170	332	349	3,629	5,934	10,414	7,824	18,238
CA04-561	REHABILITATION OF TAXIWAY Z (FROM "P" TO RUNWAY 29 END)	SGR	P	-	-	-	-	-	-	3,503	3,503
CA04-563	REHABILITATION OF TAXIWAY BEYOND THE 7-YEAR PLAN	SGR	P	-	-	-	-	411	411	4,959	5,370
CA04-564	TERMINAL B CURTAIN WALL REPLACEMENT	SGR	P	-	-	-	-	506	506	29,915	30,422
CA04-567	REHABILITATION OF TAXIWAY R (FROM "B" TO "Y")	SGR	P	-	-	-	-	-	-	8,949	8,949
CA04-569	END AROUND TAXIWAYS FOR RUNWAY 4L-22R	SEP	P	515	1,749	1,561	1,500	35,000	40,325	214,125	254,450

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CA04-579	INFRASTRUCTURE RENEWAL - ELECTRICAL DISTRIBUTION	SGR	1	4,500	29,000	26,000	6,284	1,716	67,500	-	67,500
CA04-583	INFRASTRUCTURE RENEWAL - FUEL DISTRIBUTION - PHASE 1	SGR	3	3,685	28,400	34,000	10,000	500	76,585	59,000	135,585
CA04-584	TERMINAL B INFRASTRUCTURE AND UTILITY REPLACEMENT & UPGRADE VIA WORK ORDER	SGR	4	1,346	2,046	2,505	1,500	-	7,398	-	7,398
CA04-589	REHABILITATION OF EXPANSION JOINTS AND STRUCTURAL ELEMENTS OF FACILITY BRIDGES	SGR	1	280	1,891	2,079	1,521	1,352	7,123	-	7,123
CA04-593	TERMINAL B DEVELOPMENT OF OPERATIONAL IMPROVEMENTS FOR SOUTH END OF TERMINAL	RPP	P	600	2,500	3,500	1,100	2,075	9,775	984	10,758
CA04-596	BUILDING 157 INFRASTRUCTURE IMPROVEMENT	SEP	3	700	-	-	-	-	700	-	700
CA04-597	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	-	-	5,251	5,251
CA04-598	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	1,706	1,640	-	-	-	3,346	-	3,346
CA04-604	INFRASTRUCTURE RENEWAL - FUEL FARM BLDG 117 SWITCHGEAR REPLACEMENT	SGR	p	-	-	-	-	456	456	4,936	5,392
CA04-611	TERMINAL B RECONSTRUCTION OF ESCALATORS 15 AND 21	SGR	P	-	-	-	-	250	250	3,750	4,000
CA04-613	INSTALLATION OF AC8 AND AC9 IN TERMINAL B	SGR	P	-	-	-	-	204	204	4,796	4,999
CA04-629	REMAIN OVERNIGHT PARKING	RPP	P	12,500	2,000	-	-	-	14,500	-	14,500
CA04-651	IMPROVEMENT OF MCCLELLAN STREET OVERPASS AND SOUTHERLY ROADWAYS	SEP	P	-	-	-	-	-	-	20,281	20,281
CA04-TBD	REHABILITATION OF FUELING STATION	SEP	P	1,000	1,500	-	-	-	2,500	-	2,500
CA44-017	LOWER LEVEL EXPANSION OF VERTICAL CIRCULATION AT TERMINAL B4	RPP	4	2,132	-	-	-	-	2,132	-	2,132
CA44-018	MID & UPPER LEVELS INTERNATIONAL DEPARTURES	RPP	4	1,440	-	-	-	-	1,440	-	1,440
CA44-026	MID-LEVEL INTERNATIONAL MEETER/GREETER	RPP	4	2,606	-	-	-	-	2,606	-	2,606
CA44-030	OVERALL SITE AND INFRASTRUCTURE PLANNING(1.0)-TERMINAL A REDEV PROGRM -PHASE II PLANNING	RPP	1	250	-	-	-	-	250	-	250
CA44-031	AIRSIDE PLANNING (2.0) - TERMINAL A REDEVELOPMENT PROGRAM - PHASE II PLANNING	RPP	1	250	1,000	-	-	-	1,250	-	1,250
CA44-032	TERMINAL A REDEVELOPMENT PROGRAM OVERALL PLANNING - TERMINAL PLANNING	RPP	1	4,000	3,000	-	-	-	7,000	-	7,000
CA44-033	LANDSIDE PLANNING (4.0) - TERMINAL A REDEVELOPMENT PROGRAM - PHASE II PLANNING	RPP	1	1,500	-	-	-	-	1,500	-	1,500
CA44-037	TERMINAL A REDEVELOPMENT - TERMINAL CONSTRUCTION	RPP	P	-	1,000	3,000	3,000	18,000	25,000	332,001	357,001
CA44-038	TERMINAL A REDEVELOPMENT - AIRSIDE CONSTRUCTION	RPP	P	-	-	2,000	2,000	28,000	32,000	214,001	246,000
CA44-039	TERMINAL A REDEVELOPMENT - LANDSIDE CONSTRUCTION	RPP	P	250	6,500	12,500	13,000	43,003	75,253	352,973	428,226
CA44-040	TERMINAL A REDEVELOPMENT - PARKING CONSTRUCTION	RPP	P	-	-	-	-	19,359	19,359	119,918	139,277
CA44-041	TERMINAL A REDEVELOPMENT - AIRTRAIN CONSTRUCTION	RPP	P	500	2,000	10,000	13,500	12,000	38,000	2,000	40,000
	TERMINAL A REDEVELOPMENT			**6,750**	**13,500**	**27,500**	**31,500**	**120,362**	**199,612**	**1,020,892**	**1,220,504**
	NEWARK LIBERTY AIRPORT Subtotal	**61**		**110,021**	**152,198**	**154,245**	**121,603**	**242,590**	**780,658**	**1,437,293**	**2,217,951**

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	CA05-TETERBORO AIRPORT										
CA05-023	SCHOOL SOUNDPROOFING	MAND	4	1,332	1,701	3,500	1,450	-	7,983	-	7,983
CA05-049	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	2,816	1,097	-	-	-	3,913	-	3,913
CA05-084	IMPROVE RUNWAY 6-24 RUNWAY SAFEWAY AREA	MAND	4	11,357	-	-	-	-	11,357	-	11,357
CA05-108	REDNECK AVENUE RELOCATION	MAND	4	-	-	203	-	-	203	-	203
CA05-112	RUNWAY 1 RUNWAY SAFEWAY AREA -1000 FT OVERRUN AND PATROL ROAD	MAND	4	3,627	3,114	-	-	-	6,742	-	6,742
CA05-122	CMWP - INSTALLATION OF INTERIOR WILDLIFE FENCE	SEP	3	1,293	-	-	-	-	1,293	-	1,293
CA05-126	REHABILITATION OF TAXIWAY BEYOND THE 7-YEAR PLAN	SGR	P	-	-	-	200	2,000	2,200	8,318	10,518
CA05-127	REHABILITATION OF TAXIWAY G (WEST OF RUNWAY 1-19) AND TAXIWAY E	SGR	P	-	-	-	-	50	50	2,683	2,733
CA05-128	REHABILITATION OF RUNWAY 6-24	SGR	P	-	-	-	-	1,000	1,000	22,208	23,208
CA05-129	REHABILITATION OF TAXIWAY L	SGR	P	-	-	-	-	-	-	6,199	6,199
CA05-130	REPLACEMENT OF TAXIWAY B WITH NEW TAXIWAY V	SEP	1	244	496	2,875	646	-	4,261	-	4,261
CA05-138	AIRFIELD WILDLIFE HAZARD MITIGATION	SEP	P	-	-	-	204	2,498	2,702	8,875	11,577
CA05-141	STORMWATER DRAINAGE SYSTEM IMPROVEMENTS	SEP	1	212	1,000	1,000	1,000	6,600	9,812	9,400	19,212
CA05-142	ARFF BUILDING REPLACEMENT	SEP	P	1,600	200	-	-	400	2,200	28,757	30,957
CA05-148	REHABILITATION OF RUNWAY 1-19	SGR	P	-	-	-	-	-	-	12,676	12,676
CA05-149	CMWP - REPLACEMENT OF DEICING FLUID STORAGE TANKS	SEP	3	1,000	235	-	-	-	1,235	-	1,235
	TETERBORO AIRPORT Subtotal	16		23,481	7,844	7,578	3,500	12,548	54,951	99,116	154,067
	C06-STEWART AIRPORT										
CA06-007	TERMINAL EXPANSION FEDERAL INSPECTION FACILITY AND WELCOME CENTER	SEP	3	625	1,507	3,500	5,500	-	11,132	-	11,132
CA06-012	REHABILITATION OF OPERATIONS CONTROL CENTER	SGR	P	-	-	-	-	574	574	2,545	3,119
CA06-017	REHABILITATION OF TAXIWAY B	SGR	3	2,189	-	-	-	-	2,189	-	2,189
CA06-027	SOUTH RAMP PAVEMENT REPLACEMENT	SGR	1	-	-	-	-	517	517	35,628	36,145
CA06-045	REPLACEMENT OF AIRFIELD SIGNS	SGR	3	520	1,138	722	-	-	2,381	-	2,381
CA06-046	CMWP - POSITIVE AIR PRESSURE FOR PASSENGER LOADING BRIDGES	MAND	4	652	-	-	-	-	652	-	652
CA06-050	DESIGN AND CONSTRUCTION OF THE MID-HUDSON REGIONAL CRIME LABORATORY	SEP	4	2,421	1,442	-	-	-	3,862	-	3,862
CA06-052	REHABILITATION OF TAXIWAY C ALONG SOUTH RAMP	SGR	P	-	-	-	100	202	302	23,859	24,161
CA06-053	REHABILITATION OF TAXIWAY F	SGR	P	-	-	-	-	285	285	4,204	4,489
CA06-054	REHABILITATION OF TAXIWAY A	SGR	P	-	-	-	-	100	100	13,813	13,913
CA06-055	REHABILITATION OF TAXIWAY C	SGR	P	-	-	-	-	999	999	6,006	7,005
CA06-056	REHABILITATION OF TAXIWAY L & N	SGR	P	-	-	-	-	999	999	6,073	7,072
CA06-058	REHABILITATION OF GLYCOL SYSTEM	MAND	1	-	-	-	-	532	532	6,235	6,768
CA06-066	REHABILITATION OF RUNWAYS 9-27 AND 16-34	SGR	4	30,781	36,421	4,548	-	-	71,750	-	71,750
CA06-068	REHABILITATION OF TAXIWAY "A" (FROM "9" TO "C")	SGR	P	-	-	-	-	2,002	2,002	21,966	23,968
CA06-069	REHABILITATION OF TAXIWAY H	SGR	P	-	-	-	-	1,000	1,000	4,437	5,437
CA06-070	MILL AND OVERLAY OF TAXIWAY M	SGR	3	2,068	567	-	-	-	2,635	-	2,635
CA06-079	BACKFLOW PREVENTER DEVICES	MAND	P	895	1,152	1,556	-	-	3,603	-	3,603
CA06-080	ROOF REPLACEMENT OFF HANGAR A	SGR	P	-	-	-	-	332	332	3,201	3,533
CA06-100	RUNWAY INCURSION MITIGATION - PHASE 1B	MAND	4	2,260	3,388	6,268	5,623	-	17,540	-	17,540
CA06-102	REPLACEMENT OF TERMINAL FIRE ALARM SYSTEM	SGR	P	-	-	-	-	350	350	2,643	2,993

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(in thousands)

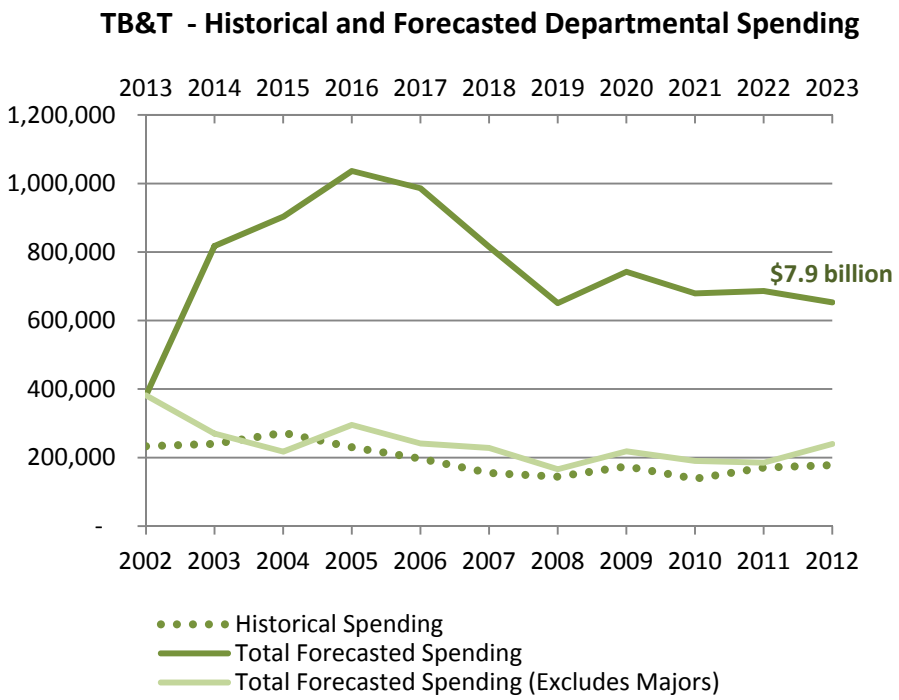
Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
CA06-104	REPLACEMENT OF TERMINAL EMERGENCY GENERATOR	SGR	1	-	-	-	-	500	500	1,999	2,499
CA06-115	IMPROVEMENTS TO AOA PERIMETER FENCE	SEC	1	355	841	2,182	704	-	4,082	-	4,082
CA06-119	IMPROVEMENTS TO GUARD POST	SEC	P	933	261	-	-	-	1,194	-	1,194
	STEWART AIRPORT Subtotal	**24**		**43,699**	**46,717**	**18,776**	**11,927**	**8,392**	**129,511**	**132,609**	**262,121**
	CMWP PROVISION	SGR		5,000	5,000	5,000	5,000	5,000	25,000	50,000	75,000
	Future SGR Requirements	SGR		-	-	-	-	-	-	267,178	267,178
CPR Prov	CPR Provision	SGR	P	-	-	-	-	-	-	825,000	825,000
	AVIATION TOTAL	**211**		**564,328**	**817,381**	**831,530**	**702,063**	**824,131**	**3,739,433**	**4,302,222**	**8,041,655**

Tunnels, Bridges, and Terminals

The Tunnels, Bridges, and Terminals (TB&T) department is undertaking five major projects in the next ten years; this contributes to a significantly higher capital budget than in previous years:

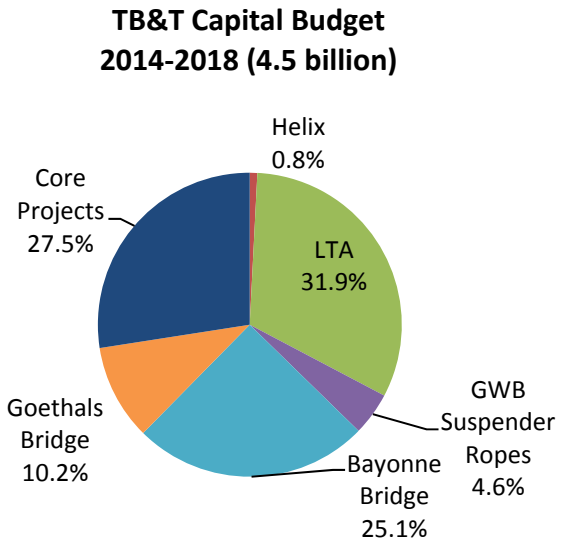
- $ 7.9 billion budget for 2014-2023
- $4.5 billion allocated in the first five years (2014-2018)

As depicted in the graph, TB&T's core capital program in the upcoming ten years is similar to historic levels of department spending (from 2002 to 2012).



Five Year Spending (2014-2018)

In 2014-2018, $3.3 billion or 73% of TB&T's capital budget is allocated to Major Projects. In addition to the five Major Projects, planning for the renovation/replacement of the PA Bus Terminal has commenced. Core projects comprise 28% of TB&T's five-year capital budget, with the largest amount of spending occurring for projects that are currently in construction and State of Good Repair projects.



TB&T Capital Projects 2014-2018 ($ in 000's)	
Capital Budget (2014-2018)	4,558,229
Capital Budget as % of 5 Yr Plan	28.9%
Number of Projects	135
Number of Major Projects	5
Major Project Budget (2014-2018)	3,306,555
Major Project Budget as % of Departmental Budget	72.5%
Core Project Budget (2014-2018)	1,251,674

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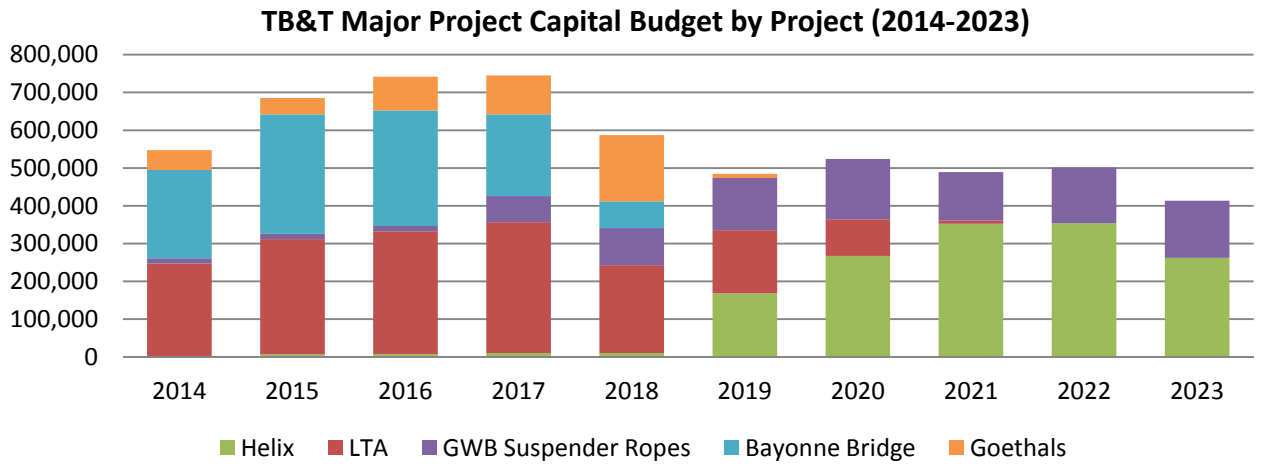
TB& T 5 – Year Capital Spending						($ in 000's)
	2014	**2015**	**2016**	**2017**	**2018**	**2014-2018**
Mandatory	2,356	3,105	4,809	5,379	438	16,087
Security	26,916	28,194	34,865	35,167	32,319	157,462
SGR	44,750	77,992	170,894	136,720	163,030	578,387
Stage 4 - Construction	144,818	102,335	79,457	63,913	46,598	437,121
SEP/RPP	51,228	5,790	5,100	0	500	62,618
Core Projects Subtotal	270,068	217,417	295,125	241,179	227,885	1,251,674
Helix	1,209	7,137	7,494	10,229	10,229	36,297
LTA	245,925	304,845	325,279	346,345	232,665	1,455,060
GWB Suspender Ropes	13,770	13,938	13,801	69,420	98,014	208,943
Bayonne Bridge	233,827	316,153	305,844	216,081	70,915	1,142,820
Goethals Bridge	52,770	43,321	89,199	102,838	175,307	463,435
Major Projects Subtotal	547,501	685,394	741,617	744,913	587,129	3,306,555
Total Capital Budget	817,569	902,811	1,036,742	986,092	815,014	4,558,229

Major Projects

TB&T is undertaking five major capital projects in the next ten years, which total $ 5.7 billion in capital investment, with $3.3 billion (58%) occurring in 2014-2018.

TB&T Major Projects ($ in 000's)	**2014-2018**	**2019-2023**	**2014-2023**
Helix	36,297	1,404,970	1,441,267
LTA	1,455,060	272,315	1,727,375
GWB Suspender Ropes	208,943	724,207	933,150
Bayonne Bridge	1,142,820	0	1,142,820
Goethals	463,435	11,117	474,552
Total	**3,306,555**	**2,412,610**	**5,719,164**



Core Department Projects (Excludes Majors)

The portfolio of core department work in TB&T consists of 123 projects. TB&T's core departmental budget in 2014-2023 is $2.3 billion, of which $1.3 billion will be spent in the first five years (2014-2018).

The following chart shows the top ten core projects (by spending in 2014-2023) in TB&T.

Rank	Top 10 ($ in 000's)	Stage	2014-2018	2019-2023	2014-2023	TPC
1	Rehabilitation of 178th & 179th Street Ramps, Bus Ramps, and Bus Turnaround (GWB)	3	96,023	96,380	192,403	192,403
2	Replacement of Mechanical and Electrical Vent Equipment (LT)	P	1,199	92,871	94,070	298,576
3	Replacement of Piers 9/204 (HT)	3	85,826	342	86,168	86,168
4	Upgrade/Replace ITS Signs and Field Devices (GWB)	M	31,444	38,985	70,429	79,867
5	Rehabilitation of Structural Steel, Lead Paint Removal and Recoating Underside (GWB)	2	1,337	68,873	70,210	203,435
6	Rehabilitation of the Palisades Interstate Parkway Helix (GWB)	3	63,109	0	63,109	76,449
7	GWB Bus Station Redevelopment	3	62,118	0	62,118	80,658
8	Rehabilitation of Tunnel Vent System Mechanical/Electrical (HT)	4	60,813	0	60,813	191,807
9	PABT –Internal Structural Enhancements	P	32,406	24,469	56,875	56,875
10	Rehabilitation of Center Ave Bridge and Lemoine Ave Bridge (GWB)	1	48,971	0	48,971	53,620

Composition of Core Projects

All TB&T facilities are represented in the department's core plan with spending focused at the George Washington Bridge (GWB), Lincoln Tunnel, and Holland Tunnel.

Core Department Capital Spending by Facility ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Core Dept Spending
Holland Tunnel	20	190,378	77,273	267,651	12%
Lincoln Tunnel	26	182,737	201,711	384,448	17%
GWB	43	494,937	504,748	999,685	44%
Bayonne Bridge	2	32,785	1,137	33,922	2%
Goethals Bridge	6	20,145	9,774	29,920	1%
Outerbridge Crossing	9	70,480	14,774	85,253	4%
GWB Bus Station	3	67,056	13,100	80,156	4%
PABT	14	124,642	48,719	173,361	8%
Provisions (SGR/CMWP)		68,514	127,946	196,460	
Total Core Projects	123	1,251,674	999,182	2,250,856	

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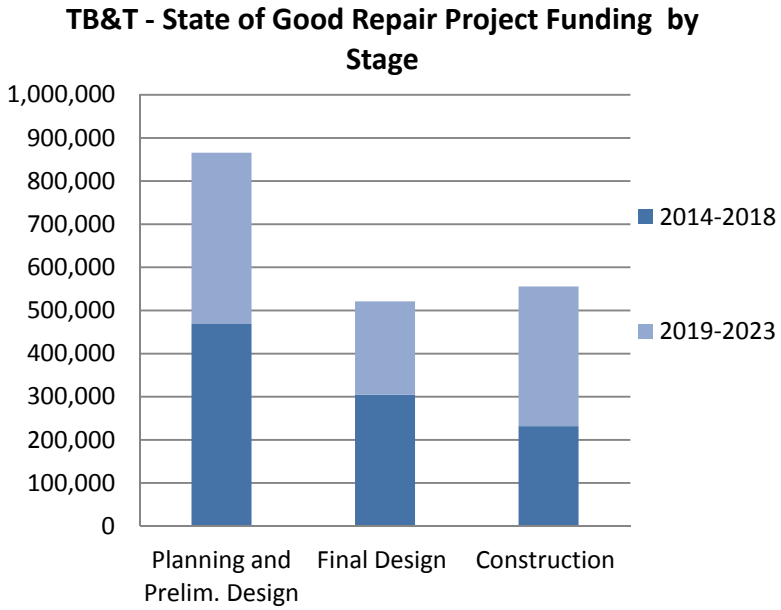
State of Good Repair Projects

Within the core program in TB&T, the vast majority (86%) of investment over the next ten years is in SGR projects. Of TBT's core budget of $2.2 billion, $1.9 billion is dedicated to SGR projects.

Core Department Capital Spending by Project Type ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Core Dept Spending
State of Good Repair[2]	90	1,006,791	935,784	1,942,576	86%
Mandatory	2	16,516	0	16,516	1%
Security	27	165,748	54,066	219,814	10%
SEP/RPP	4	62,618	9,331	71,949	3%
Total Core Projects	123	1,251,674	999,182	2,250,856	

TB&T's current project portfolio consists of 90 State of Good Repair projects, spanning all facilities. The SGR budget of $1.9 billion accounts for approximately 25% of TBT's total capital budget in 2014-2023. In addition to TB&T's $935 million budget for State of Good Repair projects in 2019-2023, an agency-wide provision for future SGR projects that have not yet been identified, has been included in the capital plan.

TB&T SGR Projects ($ in 000's)	
Total SGR Budget (2014-2023)	1,942,576
SGR Budget as Share of Dept. Budget	24.5%
SGR Budget (2014-2018)	1,006,791
SGR Budget (2019-2023)	935,784
Number of SGR Projects	90
Number of SGR Projects in Stage 4	31
Share of SGR Projects in Stage 4	34.4%
Stage 4 Project Budget (2014-2018)	231,728



[2] State of Good Repair total reflects $78 million of allocated funds for future SGR requirements

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Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
TUNNELS, BRIDGES & TERMINALS											
	CB02-HOLLAND TUNNEL										
CB02-040	REHABILITATION OF TUNNEL VENT SYSTEM MECHANICAL/ELECTRICAL	SGR	4	17,877	16,702	24,553	1,682	-	60,813	-	60,813
CB02-123	REPLACEMENT OF PIERS 9/204	SGR	3	5,256	5,032	26,181	31,033	18,324	85,826	342	86,168
CB02-156	SUPERVISORY CONTROL SYSTEM REPLACEMENT	SGR	3	-	-	-	-	1,282	1,282	31,000	32,282
CB02-162	REPLACEMENT FLOOR DRAINS/PIPING OF 4 VENT BLDGS	SGR	3	1,183	832	-	-	-	2,016	-	2,016
CB02-173	REPLACEMENT/REHABILITATION OF BOILER AND HOT WATER HEATER AT NJSB & NJAB	SGR	3	-	-	-	-	472	472	3,001	3,473
CB02-175	REPLACEMENT OF EXHAUST & BLOWER DUCT ACCESS DOORS IN VENTILATION BUILDINGS	SGR	3	-	-	-	-	222	222	3,145	3,368
CB02-180	STAIR REHABILITATION IN NEW YORK RIVER VENTILATION BUILDINGS	SGR	3	-	-	-	-	550	550	1,304	1,854
CB02-184	ACCESS CONTROL SYSTEM ENHANCEMENT	SEC	3	687	2,361	1,467	-	-	4,515	-	4,515
CB02-191	REHABILITATION POWER DISTRIBUTION SYSTEM AND REPLACE EMERGENCY GENERATORS	SGR	P	-	-	-	-	-	-	4,956	4,956
CB02-193	CONCRETE AND STEEL REHABILITATION	SGR	2	-	-	-	-	445	445	15,271	15,717
CB02-195	REHABILITATION SUPPLY BLOWER PORTS	SGR	3	902	3,116	509	-	-	4,527	-	4,527
CB02-200	WATERSIDE BUFFER ZONE PROTECTION	SEC	1	1,348	599	-	-	-	1,947	-	1,947
CB02-202	TOLL COLLECTION SYSTEM REPLACEMENT	SGR	4	778	844	3,371	5,955	4,017	14,965	1,254	16,219
CB02-203	FACILITY DATA ROOM REHABILITATION	SEP	1	-	-	-	-	500	500	2,500	3,000
CB02-204	INTEROPERABILITY RADIO COMMUNICATIONS	SEC	P	-	303	1,193	1,403	2,349	5,248	-	5,248
CB02-205	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	654	625	-	-	-	1,279	-	1,279
CB02-208	IN-BUILDING RF COVERAGE ENHANCEMENTS	SEC	3	1,200	-	-	-	-	1,200	-	1,200
CB02-211	REHABILITATION OF FRESH AIR STACKS IN VENTILATION BUILDINGS	SGR	P	-	-	-	-	600	600	8,500	9,100
CB02-213	REHABILITATION OF OFFSET DUCTS AND MITIGATION OF WATER INFILTRATION TUNNELS	SGR	P	90	279	1,800	1,800	-	3,970	-	3,970
CB02-218	REHABILITATE/REPLACE HIGH VOLTAGE TRANSFORMERS	SGR	P	-	-	-	-	-	-	6,000	6,000
	HOLLAND TUNNEL Subtotal	**20**		**29,977**	**30,693**	**59,074**	**41,873**	**28,762**	**190,378**	**77,273**	**267,651**
	CB03-LINCOLN TUNNEL										
CB03-093	REPAINTING OF TUNNEL VENTILATION FANS	SGR	4	1,777	999	1,633	-	-	4,409	-	4,409
CB03-153	REPLACE DYER PLAZA AND DYER AVENUE ROADWAY SLABS	SGR	P	528	1,428	9,130	14,823	15,915	41,824	5,500	47,324
CB03-167	EXPLOSION PROOF EQUIPMENT AT MID-RIVER PUMP ROOMS	SGR	4	2,182	-	-	-	-	2,182	-	2,182
CB03-172	REPLACE EXHAUST & BLOWER DUCT ACCESS DOORS	SGR	P	-	-	-	-	-	-	1,868	1,868
CB03-190	REPLACEMENT OF SUMP PUMP AT NY EXPRESS WAY	SGR	P	-	119	714	758	4,091	5,682	3,715	9,396
CB03-211	STRUCTURAL REHABILITATION AND REPAVING OF HELIX	SGR	4	21,633	18,171	1,000	-	-	40,804	-	40,804
CB03-226	REPLACEMENT OF BUS RAMP DECK - PHASE 3	SGR	P	-	-	-	-	-	-	31,103	31,103
CB03-230	REHABILITATION OF DRUM RINGS AND REPAIRS TO UNDERSIDE OF ROADWAYS	SGR	4	857	-	-	-	-	857	-	857

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CB03-231	REPLACEMENT OF VENTILATION LOUVERS IN NY VENTILATION BUILDINGS	SGR	4	1,830	1,942	2,699	-	-	6,470	-	6,470
CB03-234	NEW YORK BUS RAMP COMPLEX/PROTECTION	SEC	P	1,201	1,271	3,531	5,745	500	12,248	7,250	19,498
CB03-244	REPAVING OF CENTER TUNNEL	SGR	3	1,241	3,176	-	-	-	4,417	-	4,417
CB03-245	DECK REPLACEMENT OF THE NY EXPRESSWAY BTWN W31ST AND W33RD STREETS	SGR	3	10,739	5,777	-	-	-	16,516	-	16,516
CB03-248	INSTALLATION AND REHABILITATION OF ROADWAY SAFETY DEVICES	SGR	3	-	-	-	-	326	326	2,423	2,749
CB03-252	ACCESS CONTROL SYSTEM ENHANCEMENT	SEC	3	3,180	1,989	1,674	-	-	6,842	-	6,842
CB03-253	UPGRADE OF LIFE SAFETY MONITORING SYSTEM	SGR	3	-	-	-	-	489	489	5,957	6,446
CB03-258	REPLACEMENT OF NEW JERSEY FEEDERS-SOUTH TUBE	SGR	4	296	-	-	-	-	296	-	296
CB03-261	WATERSIDE BUFFER ZONE PROTECTION	SEC	1	1,324	405	-	-	-	1,729	-	1,729
CB03-262	REPLACEMENT OF TOLL COLLECTION SYSTEM	SGR	4	1,209	1,322	5,288	7,756	6,524	22,098	2,933	25,031
CB03-263	TUNNELS BRIDGES & TERMINALS INTEROPERABILITY RADIO COMMUNICATIONS	SEC	P	1,193	1,403	2,349	1,389	-	6,334	-	6,334
CB03-264	REPLACEMENT OF HVAC SYSTEM AT ADMIN BUILDING - PHASE 2	SGR	3	-	-	-	-	427	427	4,493	4,920
CB03-265	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	-	-	3,000	3,000
CB03-266	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	665	595	-	-	-	1,260	-	1,260
CB03-273	REPLACEMENT OF EXISTING ITS SYSTEM	SGR	1	-	-	-	-	3,000	3,000	27,500	30,500
CB03-276	REPLACEMENT OF SCADA SYSTEM	SGR	P	-	-	-	-	0	-	13,100	13,100
CB03-277	REPLACEMENT OF MECHANICAL & ELECTRICAL VENT EQUIP	SGR	P	-	-	-	-	1,199	1,199	92,871	94,070
CB03-280	REPLACE CURB PLATES IN THE NORTH AND SOUTH TUBES	SGR	P	825	1,471	1,031	-	-	3,327	-	3,327
CB03-213	REPLACEMENT OF HELIX - PLANNING	SGR	1	1,209	7,137	7,494	10,229	10,229	36,297	21,480	57,777
CB03-254	REPLACEMENT OF HELIX CONSTRUCTION	SGR	P	-	-	-	-	-	-	1,383,490	1,383,490
	LT HELIX			**1,209**	**7,137**	**7,494**	**10,229**	**10,229**	**36,297**	**1,404,970**	**1,441,267**
CB03-267	IMPROVEMENTS TO PULASKI SKYWAY	SGR	4	181,001	252,206	201,037	169,148	112,659	916,053	150,955	1,067,008
CB03-268	REPLACEMENT OF ROUTE 7 WITTPENN BRIDGE	SGR	4	60,255	35,785	108,454	140,312	82,264	427,068	104,004	531,071
CB03-269	EXTENSION OF ROUTE 1 & 9T (NEW ROAD)	SEP	4	4,669	16,854	15,788	36,885	37,742	111,939	17,356	129,295
	LINCOLN TUNNEL ACCESS			**245,925**	**304,845**	**325,279**	**346,345**	**232,665**	**1,455,060**	**272,315**	**1,727,375**
	LINCOLN TUNNEL Subtotal	**31**		**297,814**	**352,049**	**361,821**	**387,045**	**275,365**	**1,674,093**	**1,878,997**	**3,553,090**
	CB04-GEORGE WASHINGTON BRIDGE										
CB04-132	REHABILITATION OF STRUCTURAL STEEL, LEAD PAINT REMOVAL & RECOATING UNDERSIDE	SGR	2	2,100	5,100	2,000	2,000	2,000	13,200	63,000	76,200
CB04-228	REHABILITATION OF MAIN SPAN FIRE STANDPIPE SYSTEM	SGR	4	5,492	-	-	-	-	5,492	-	5,492
CB04-241	REHABILITATION OF NEW JERSEY/NEW YORK HIGH TENSION ELECT SWITCHGEAR	SGR	3	-	-	-	-	1,165	1,165	42,134	43,299
CB04-258	FORT LEE STREET IMPROVEMENTS	SGR	4	1,972	-	-	-	-	1,972	-	1,972
CB04-260	TOLL COLLECTION SYSTEM REPLACEMENT	SGR	4	2,682	2,926	11,502	16,829	14,565	48,504	6,553	55,057
CB04-261	REHABILITATION OF UPPER LEVEL SPAN OVER NJ ANCHORAGE AND HUDSON TERRACE	SGR	3	1,373	7,997	14,947	3,775	-	28,092	-	28,092

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CB04-262	REPLACEMENT OF IMPACT ATTENUATORS GUIDE RAILS & BARRIERS	SGR	4	3,119	-	-	-	-	3,119	-	3,119
CB04-263	TRANS MANHATTAN EXPRESSWAY REHABILITATION	SGR	P	-	-	-	-	-	-	37,737	37,737
CB04-270	REHABILITATION OF MAIN SPAN UPPER LEVEL STRUCTURAL STEEL	SGR	4	25,988	17,781	-	-	-	43,769	-	43,769
CB04-276	REHABILITATION OF 178TH &179TH STREET RAMPS, BUS RAMPS, AND BUS TURNAROUND	SGR	3	2,808	5,907	30,839	28,824	27,645	96,023	96,380	192,403
CB04-285	REHABILITATION OF THE PALISADES INTERSTATE PARKWAY HELIX	SGR	3	5,542	14,720	30,566	12,282	-	63,109	-	63,109
CB04-286	NEW YORK RAMPS HR1 & HR2 - STRUCTURAL STEEL REHABILITATION, LEAD ABATEMENT & PAINT	SGR	3	-	-	-	-	1,063	1,063	6,976	8,039
CB04-287	PRIORITY STEEL AND CONCRETE REHABILITATION	SGR	4	696	-	-	-	-	696	-	696
CB04-288	GWB - TME REHABILITATION OF MEDIAN BARRIERS AND TRAFFIC SAFETY IMPROVEMENTS	SGR	P	605	5,427	6,831	5,956	2,880	21,699	-	21,699
CB04-295	PROTOTYPE OF FIRE MITIGATE FIRE/DYNAMIC LOAD - PHASE 2	SEC	P	-	-	-	250	500	750	10,250	11,000
CB04-229	REPLACEMENT OF LIGHTING ALONG UPPER LEVEL NY RAMP TO EXPRESSWAY RAMPS	SGR	P	-	-	-	-	-	-	1,804	1,804
CB04-300	PAVEMENT REPLACEMENT OF LOWER LEVEL EAST BOUND MAIN SPAN, LLEB APPROACH & RAMPS	SGR	P	62	423	3,230	4,146	4,881	12,742	-	12,742
CB04-302	REHABILITATION OF HUDSON RAMPS PAVEMENTS	SGR	P	3,099	1,783	1,783	-	-	6,665	-	6,665
CB04-306	CMWP - REPLACEMENT OF PASSENGER ELEVATOR AT GWB NJAB	MAND	4	430	-	-	-	-	430	-	430
CB04-312	UPGRADE/REPLACE ITS SIGNS AND FIELD DEVICES	SGR	M	5,550	1,287	1,848	10,450	12,310	31,444	38,985	70,429
CB04-316	REPLACEMENT OF DRAINAGE SYSTEMS TROUGHS AT UPPER LEVEL NY RAMP TO EXPRESSWAY ROADWAYS	SGR	4	529	-	-	-	-	529	-	529
CB04-317	REHABILITATION OF CENTER AVE BRIDGE AND LEMOINE AVE BRIDGE	SGR	1	2,033	2,119	19,491	18,385	6,943	48,971	-	48,971
CB04-318	ACCESS CONTROL SYSTEM ENHANCEMENT	SEC	3	5,690	2,629	3,814	-	-	12,133	-	12,133
CB04-323	REPLACEMENT OF NJ BUILDINGS & MIS STRUCTURES	SGR	4	619	-	-	-	-	619	-	619
CB04-325	UPGRADE EMERGENCY POWER SYSTEM	SGR	1	-	-	-	-	131	131	3,101	3,231
CB04-330	REHABILITATION OF RAMPS COMPLEX TO HENRY HUDSON PARKWAY - PHASE 2	SGR	P	-	-	-	-	800	800	13,000	13,800
CB04-332	REHABILITATION OF ROADWAY DECK OVER EMERGENCY GARAGE AT ADMIN BUILDING	SGR	1	-	-	-	-	402	402	22,271	22,673
CB04-333	FACILITY STEEL AND CONCRETE REHABILITATION	SGR	4	2,889	3,492	-	-	-	6,381	-	6,381
CB04-334	REHABILITATION OF RAMPS COMPLEX TO HENRY HUDSON PARKWAY	SGR	P	-	-	-	-	167	167	16,777	16,944
CB04-335	REHABILITATION OF TRANS MANHATTAN EXPRESSWAY ELECTRICAL SYS & LIGHTING	SGR	P	-	-	-	-	252	252	19,322	19,575
CB04-336	REHABILITATION OF TME OVERPASSES - PHASE 1	SGR	P	246	493	1,041	1,156	1,818	4,754	71,694	76,448
CB04-338	NEW JERSEY LIGHTING FEEDERS REPLACEMENT	SGR	1	-	-	-	-	320	320	9,036	9,356
CB04-350	COMMERCIAL VEHICLE SECURITY AND SAFETY INSPECTION SITE FOR PAPD	SEC	P	-	-	-	-	-	-	12,097	12,097
CB04-351	ACCESS RAMP BARRIER UPGRADES	SEC	P	807	2,087	2,132	1,105	-	6,131	-	6,131
CB04-356	FACILITY DATA ROOM REHABILITATION	SEP	1	-	-	-	-	-	-	3,831	3,831

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Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
CB04-357	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	732	614	-	-	-	1,345	-	1,345
CB04-361	REHABILITATION OF FACILITY WIDE PRIORITY	SGR	1	433	598	4,106	4,782	-	9,919	-	9,919
CB04-362	GWB REPAVE EASTBOUND UPPER LEVEL	SGR	P	500	6,800	10,200	-	-	17,500	-	17,500
CB04-363	REPLACEMENT OF ELECTRICAL DISTRIBUTION ROOMS IN TOWERS	SGR	P	-	-	-	-	-	-	9,000	9,000
CB04-364	REPLACEMENT OF HALON FIRE SUPPRESSANT SYSTEM IN ADMIN BUILDING COMPUTER ROOM	SGR	P	-	-	-	-	150	150	3,450	3,600
CB04-367	REPLACE SCADA SYSTEM	SGR	P	-	-	-	-	150	150	8,600	8,750
CB04-368	REHABILITATION OF RETAINING WALLS AT NY & NJ APPROACHES	SGR	P	-	-	-	-	-	-	8,750	8,750
CB04-375	MAIN CABLE PROTECTION	SEC	P	575	1,188	2,586	-	-	4,350	-	4,350
CB04-252	NJ ANCHORAGE IMPROVEMENTS	SGR	3	1,790	337	-	-	-	2,127	-	2,127
CB04-272	REHABILITATION OF NY/NJ ANCHOR MAIN CABLE STRANDS	SGR	3	6,673	6,914	6,425	9,019	-	29,031	-	29,031
CB04-319	REHABILITATION OF SUSPENDER ROPE REPLACEMENT & MAIN CABLE	SGR	1	5,012	5,647	7,376	60,401	98,014	176,450	724,207	900,657
CB04-343	REHABILITATION OF NJ ANCHORAGE SUMP PUMP ROOM	SGR	1	295	1,040	-	-	-	1,335	-	1,335
	GWB SUSPENDER ROPES			**13,770**	**13,938**	**13,801**	**69,420**	**98,014**	**208,943**	**724,207**	**933,150**
	GEORGE WASHINGTON BRIDGE Subtotal	**47**		**90,339**	**97,308**	**160,717**	**179,360**	**176,156**	**703,880**	**1,228,955**	**1,932,835**
	CB06-BAYONNE BRIDGE										
CB06-100	CCTV CAMERA SYSTEM REPLACEMENT	SEC	4	296	243	828	-	-	1,368	-	1,368
CB06-113	TOLL COLLECTION SYSTEM REPLACEMENT	SGR	4	11,224	14,002	1,694	2,479	2,019	31,418	1,137	32,555
CB06-087	NAVIGATIONAL CLEARANCE PROGRAM	SEP	4	233,827	316,153	305,844	216,081	70,915	1,142,820	-	1,142,820
	BAYONNE BRIDGE			**233,827**	**316,153**	**305,844**	**216,081**	**70,915**	**1,142,820**	**-**	**1,142,820**
	BAYONNE BRIDGE Subtotal	**3**		**245,348**	**330,398**	**308,366**	**218,560**	**72,934**	**1,175,606**	**1,137**	**1,176,743**
	CB07-GOETHALS BRIDGE										
CB07-134	REPLACEMENT OF CCTV CAMERA SYSTEM	SEC	4	1,463	1,467	954	-	-	3,884	-	3,884
CB07-139	STRUCTURAL STEEL REPAIR	SGR	4	751	-	-	-	-	751	-	751
CB07-143	REPLACEMENT OF BUILDINGS AND TOLL BOOTHS HEATING SYSTEMS	SGR	P	-	-	-	-	439	439	5,321	5,760
CB07-149	REPLACEMENT OF TOLL COLLECTION SYSTEM	SGR	4	778	847	3,358	4,917	3,952	13,852	2,223	16,075
CB07-152	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	517	435	-	-	-	952	-	952
CB07-154	REHABILITATION OF SCUPPERS	SGR	P	-	-	-	-	268	268	2,231	2,498
CB07-103	GOETHALS BRIDGE MODERNIZATION	SGR	3	50,617	40,650	65,113	68,935	143,332	368,647	-	368,647
CB07-145	INTERCHANGE RAMPS PROJECT	SEP	1	2,153	2,671	24,086	33,903	31,975	94,788	11,117	105,905
	GOETHALS BRIDGE			**52,770**	**43,321**	**89,199**	**102,838**	**175,307**	**463,435**	**11,117**	**474,552**
	GOETHALS BRIDGE Subtotal	**8**		**56,279**	**46,070**	**93,511**	**107,755**	**179,965**	**483,580**	**20,891**	**504,471**
	CB08-OUTERBRIDGE CROSSING										
CB08-075	REHABILITATION OF FIRE STANDPIPE	SGR	3	-	-	-	-	-	-	9,445	9,445
CB08-082	REHABILITATION OF DECK	SGR	P	-	-	-	-	-	-	3,215	3,215
CB08-083	TOLL CANOPY - REPLACEMENTS OF HVAC UNITS AND ROOF	SGR	4	1,712	808	-	-	-	2,520	-	2,520
CB08-097	REPLACEMENT OF CCTV CAMERA SYSTEM	SEC	4	1,062	1,052	920	-	-	3,034	-	3,034

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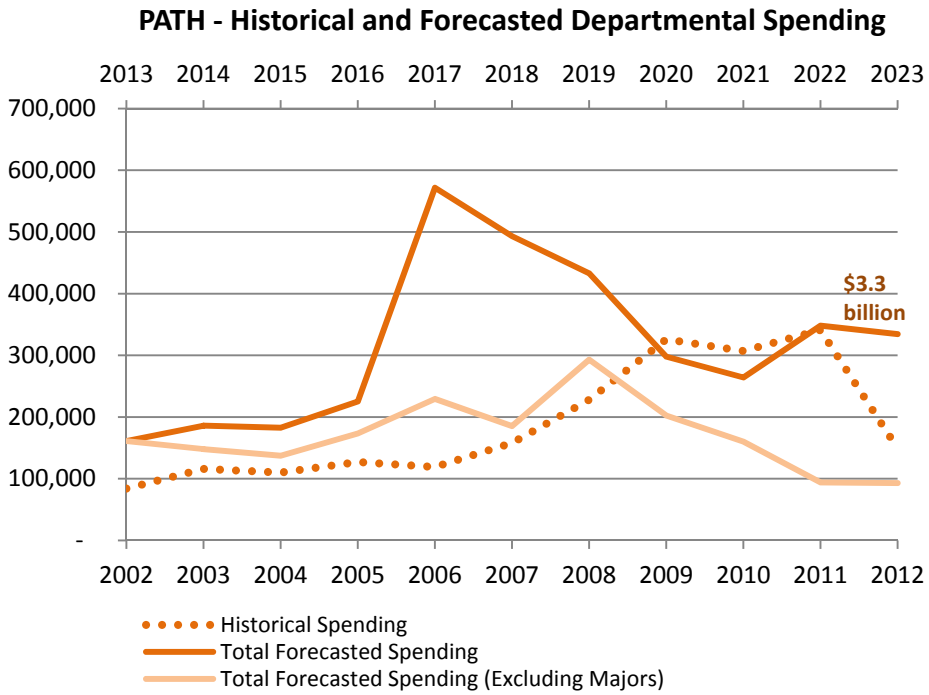
CB08-099	REPAIR OF STRUCTURAL STEEL	SGR	4	2,132	-	-	-	-	2,132	-	2,132
CB08-107	REHABILITATION OF PAVEMENT	SGR	4	5,468	3,744	3,675	-	-	12,887	-	12,887
CB08-109	MAIN SPAN PIER PROTECTION	SEC	1	700	3,845	6,000	8,479	10,000	29,023	-	29,023
CB08-110	REPLACEMENT OF TOLL COLLECTION SYSTEM	SGR	4	648	706	2,816	4,109	3,211	11,490	2,113	13,603
CB08-115	CROSS BRACING	SEC	P	865	882	2,278	4,251	1,119	9,394	-	9,394
	OUTERBRIDGE CROSSING Subtotal	**9**		**12,587**	**11,036**	**15,690**	**16,838**	**14,329**	**70,480**	**14,774**	**85,253**
	CB48-GWB BUS STATION										
CB48-048	REPLACEMENT OF CEILING OVER TME	SGR	P	-	-	-	-	-	-	13,100	13,100
CB48-056	GWBBS REDEVELOPMENT	RPP	3	51,228	5,790	5,100	-	-	62,118	-	62,118
CB48-061	INSTALLATION OF BOLLARDS	SEC	P	337	449	723	1,409	2,021	4,938	-	4,938
	GWB BUS STATION Subtotal	**3**		**51,565**	**6,239**	**5,823**	**1,409**	**2,021**	**67,056**	**13,100**	**80,156**
	CT06-PORT AUTHORITY BUS TERMINAL										
CT06-120	REPLACEMENT OF BUILDING AUTOMATED MONITORING & CONTROL SYSTEM	SGR	4	6,712	-	-	-	-	6,712	-	6,712
CT06-199	REPLACEMENT OF FIRE PUMPS	SGR	4	2,029	2,040	239	-	-	4,308	-	4,308
CT06-200	REPLACEMENT OF FIRE ALARM SYSTEM	MAND	3	2,356	3,105	4,809	5,379	438	16,087	-	16,087
CT06-202	REPLACEMENT OF PRIMARY ELECTRIC SERVICE	SGR	4	4,410	4,657	4,398	-	-	13,464	-	13,464
CT06-230	REPLACEMENT OF SOUTH WING HVAC UNITS AND ASSOCIATED ELECTRICAL DISTRIBUTION SYSTEM	SGR	4	7,595	7,306	8,682	9,736	-	33,320	-	33,320
CT06-239	INTERNAL STRUCTURAL ENHACEMENTS	SEC	P	1,067	1,120	3,250	11,137	15,831	32,406	24,469	56,875
CT06-241	UPGRADE OF CCTV SURVEILLANCE EQUIPMENT	SEC	P	1,602	3,325	2,871	-	-	7,798	-	7,798
CT06-246	ENHANCEMENT OF ACCESS CONTROL SYSTEM	SEC	3	1,700	1,323	995	-	-	4,018	-	4,018
CT06-247	CMWP - REHABILITATION OF THE STEAM DISTRIBUTION SYSTEM	SGR	4	133	-	-	-	-	133	-	133
CT06-259	PABT NORTH WING SBL WEARING COURSE REPLACEMENT	SGR	P	184	395	1,496	2,000	400	4,475	-	4,475
CT06-261	REPLACEMENT OF VENTILATION BUILDING EXHAUST FANS AND NW PENTHOUSE FANS	SGR	P	-	-	-	-	300	300	15,950	16,250
CT06-266	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	874	748	-	-	-	1,622	-	1,622
CT06-269	REHABILITATION OF EGRESS DOORS	SGR	P	-	-	-	-	-	-	3,800	3,800
CT06-271	REHABILITATION/REPLACEMENT OF 33 FRESH AIR SUPPLY FANS LOCATED IN THE NW & SW	SGR	P	-	-	-	-	-	-	4,500	4,500
	PORT AUTHORITY BUS TERMINAL Subtotal	**14**		**28,662**	**24,019**	**26,740**	**28,253**	**16,969**	**124,642**	**48,719**	**173,361**
	CMWP PROVISION			5,000	5,000	5,000	5,000	5,000	25,000	50,000	75,000
	Future SGR Requirements			-	-	-	-	43,514	43,514	77,946	121,460
	TBT TOTAL	**135**		**817,569**	**902,811**	**1,036,742**	**986,092**	**815,014**	**4,558,229**	**3,411,792**	**7,970,020**

Port Authority Trans-Hudson (PATH)

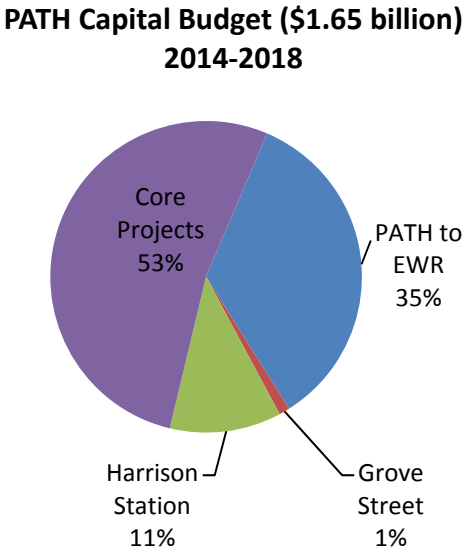
PATH's capital program totals $3.3 billion in the next ten years; this includes three major projects and core department projects. Of the $3.3 billion in capital investment, $1.6 billion is forecasted to be spent in 2014-2018, which is 50%.

PATH's capital budget is relatively similar to prior years, however it has been significantly impacted by Storm Sandy recovery projects; 64% of the agency's Line Department Storm Sandy funding is allocated to the PATH system.



Five Year Spending

Approximately half of PATH's investments in 2014-2018 are in core department projects, which consist of $873 million.



PATH Capital Projects 2014-2018 ($ in 000's)	
Capital Budget (2014-2018)	1,658,869
Capital Budget as % of 5 Yr Plan	10.5%
Number of Projects	71
Number of Major Projects	3
Major Project Budget (2014-2018)	785,591
Major Project Budget as % of Departmental Budget	47.4%
Core Project Budget (2014-2018)	873,279

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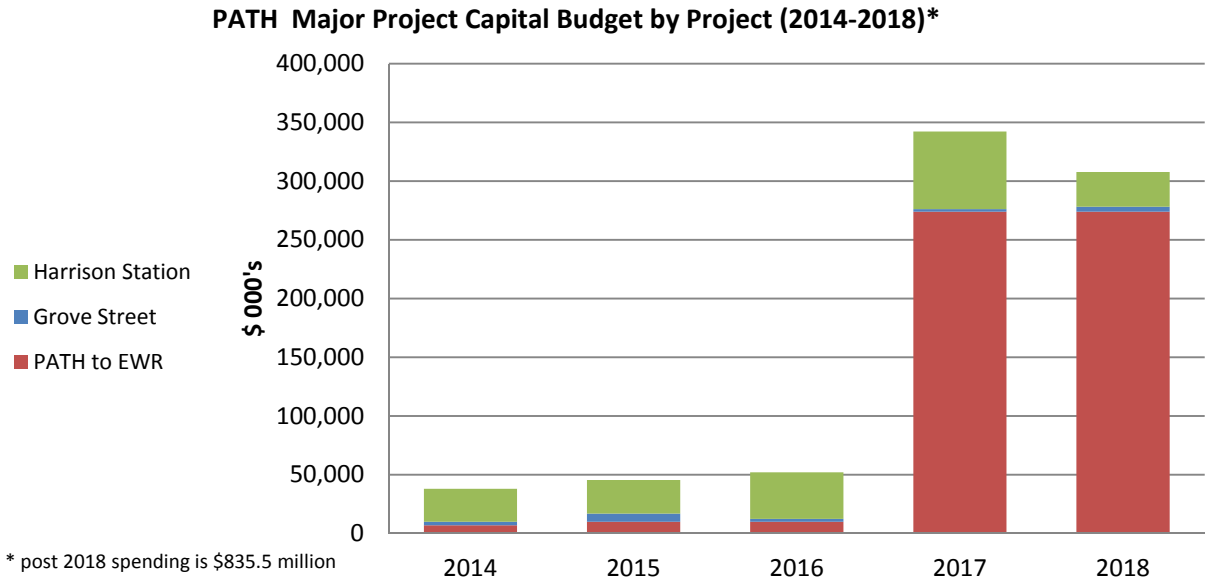
PATH 5 – Year Capital Spending						($ in 000's)
	2014	2015	2016	2017	2018	2014-2018
Mandatory[3]	-	-	-	-	-	-
Security	32,620	22,222	20,568	23,531	37,333	136,274
SGR	28,091	47,861	62,918	103,108	69,659	311,637
Stage 4- Construction	86,459	65,111	88,890	102,309	78,369	421,138
SEP/RPP	761	2,133	861	475	0	4,230
Core Projects Subtotal	147,932	137,327	173,237	229,422	185,360	873,279
PATH to EWR	7,000	10,000	10,000	274,000	274,000	575,000
Grove Street	2,929	6,862	2,441	2,159	4,250	18,641
Harrison Station	28,085	28,587	39,627	66,087	29,564	191,950
Major Projects Subtotal	38,014	45,449	52,068	342,246	307,814	785,591
Total Capital Budget	185,946	182,776	225,306	571,668	493,174	1,658,869

Major Projects

PATH's 2014-2023 capital program includes the redevelopment of two stations and the extension of service to Newark Liberty International Airport. The Harrison Station Redevelopment project is scheduled to be completed in 2019; the ADA portion of Grove Street Station Redevelopment is forecasted to be completed in 2017.

PATH Major Projects ($ in 000's)	2014-2018	2019-2023	2014-2023
PATH to EWR	575,000	625,000	1,200,000
Grove Street	18,641	195,500	214,141
Harrison Station	191,950	15,000	206,950
Total	**785,591**	**835,500**	**1,621,091**



[3] The Signals Program is a Mandatory project in Stage 4 Construction.

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Core Department Projects (Excludes Majors)

Approximately 40% of PATH's capital budget is dedicated to core department projects for 2014-2018 ($873 million). In 2019-2023, 60% of PATH's capital budget is allocated to core department projects, which is $842 million.

Listed below are PATH's largest core projects, ranked by total spending in 2014-2023.

Rank	Top 10 ($ in 000's)	Stage	2014-2018	2019-2023	2014-2023	TPC
1	Installation of Signal Replacement Program	4	246,375	70,263	316,638	580,089
2	Duct Bank Tunnels A/B Under River	P	13,955	147,363	161,318	189,786
3	Washington Street Substation	1	48,386	103,057	151,443	158,900
4	Tunnel Mitigation	P	49,968	72,337	122,305	329,877
5	Construction of Floodgate at Tunnels A,B,E,& F	3	48,320	40,292	88,612	181,406
6	Rehabilitation of Duct Bank	1	439	63,750	64,189	683,103
7	Fire Alarm Systems Rehabilitation	1	9,333	52,923	62,256	73,394
8	Replacement of Substation 9	1	12,719	44,625	57,344	59,394
9	Equipment Purchase Recovery Work	1	39,427	15,000	54,427	54,427
10	Tunnels- Latent Damage	1	32,500	16,527	49,027	49,027

Composition of Core Projects

PATH's capital program includes upgrades and replacement of stations, rail and rolling stock. The PATH Safety Program is comprised of security projects and accounts for 7% of core department spending in the next ten years.

Core Department Capital Spending by Facility ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Core Dept Spending
PATH	57	717,961	662,502	1,380,463	44%
PATH Safety Program	11	128,037	112,629	240,666	8%
Journal Square Transportation Center	3	2,280	17,092	19,373	1%
Provisions (SGR/CMWP)		25,000	50,000	75,000	2%
Total Core Projects	71	873,279	842,224	1,715,502	

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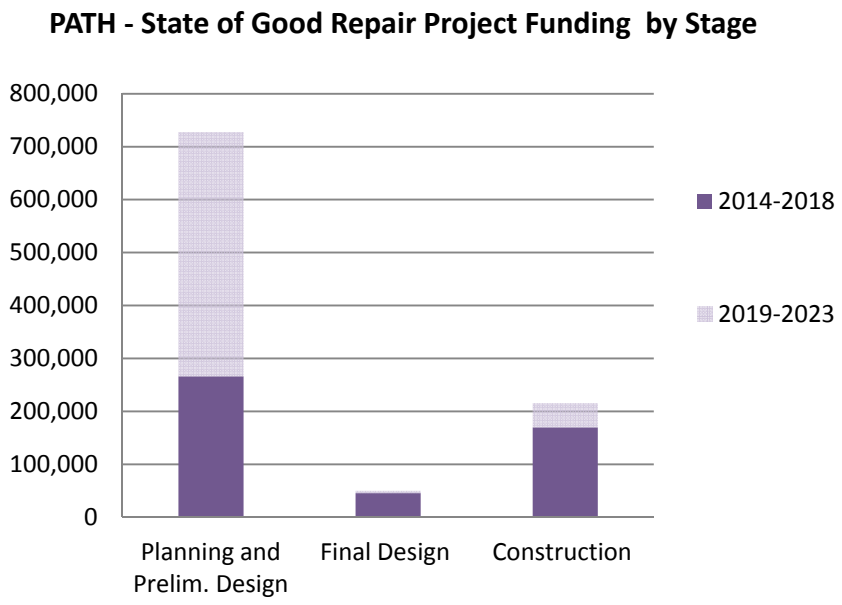
State of Good Repair Projects

Core Department Capital Spending by Project Type ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Core Dept Spending
State of Good Repair	56	481,202	511,969	993,171	57.9%
Mandatory	1	246,375	70,263	316,638	18.4%
Security	11	141,472	259,992	401,464	23.4%
SEP/RPP	3	4,230	0	4,230	0.3%
Total Core Projects	71	873,279	842,224	1,715,502	

PATH's capital investment in State of Good Repair work accounts for approximately three quarters (58%) of overall spending from 2014-2023. Of the $993 million allocated to State of Good Repair projects, 73 percent ($727 million) will be spent in the first five years (2014-2018).

Similarly, the majority of State of Good Repair work in 2014-2018 $558 million is occurring in projects currently in preliminary and final design; of the $727 million in funding in 2014-2018, $169 million is allocated to projects in active construction.

Quick Stats PATH SGR Projects ($ in 000's)	
Total SGR Budget (2014-2023)	993,171
SGR Budget as Share of Dept. Budget	29.8%
SGR Budget (2014-2018)	481,202
SGR Budget (2019-2023)	511,969
Number of SGR Projects	56
Number of SGR Projects in Stage 4	23
Share of SGR Projects in Stage 4	42%
Stage 4 Project Budget	215,594



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Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
PATH											
	CR02-PATH										
CR02-150	INSTALLATION OF SIGNAL REPLACEMENT PROGRAM	MAND	4	37,923	34,865	66,414	47,217	59,956	246,375	70,263	316,638
CR02-212	TIE RENEWAL PROGRAM	SGR	4	2,078	2,078	2,078	2,078	2,078	10,388	10,097	20,484
CR02-233	WASHINGTON ST SUBSTATION	SGR	1	-	1,401	6,284	22,673	18,028	48,386	103,057	151,443
CR02-258	TURNOUT REPLACEMENT - PHASE 3	SGR	4	2,669	1,273	272	-	-	4,214	-	4,214
CR02-259	CONTINUOUS WELDING FOR THE RAIL PROGRAM	SGR	4	1,700	1,700	1,700	1,700	1,700	8,499	5,532	14,030
CR02-261	CONTACT RAIL PROGRAM	SGR	4	1,082	825	825	825	825	4,382	4,125	8,507
CR02-328	TUNNEL TRACK AND DRAINAGE PROGRAM	SGR	4	2,066	2,066	2,066	2,066	2,063	10,326	10,313	20,638
CR02-336	REPLACEMENT AND UPGRADE OF THE CHRISTOPHER ST SUBSTATION	SGR	4	10,520	10,876	9,985	11,390	7,548	50,319	-	50,319
CR02-345	PURCHASE NEW RAILCARS (PA-5)	SGR	4	4,243	2,977	1,163	32,885	-	41,268	-	41,268
CR02-358	RESTRAINING RAIL PROGRAM	SGR	4	933	871	863	863	863	4,394	4,316	8,710
CR02-378	REPLACEMENT OF SUBSTATION #8 - KEARNY NJ	SGR	2	525	1,924	2,605	4,495	8,113	17,662	26,646	44,308
CR02-382	REHABILITATION OF CONTACT THIRD RAIL HEATERS FROM GRAPE INTERLOCKING TO NEWARK	SGR	4	-	-	-	1,140	859	1,999	1,584	3,583
CR02-384	NEWARK COMPRESSOR	SEP	3	255	802	68	-	-	1,125	-	1,125
CR02-406	SYSTEM UPGRADES FOR PA-5 FLEET	SGR	4	3,064	1,218	286	-	-	4,568	-	4,568
CR02-412	REHABILITATION OF DUCT BANK	SGR	1	-	-	-	-	439	439	63,750	64,189
CR02-418	CMWP - REPLACE 15KV AND 27KV CABLES BETWEEN JUNCTION AND SUBSTATION #2 AND #15	SGR	4	340	340	340	340	151	1,511	267	1,778
CR02-419	FIRE ALARM SYSTEMS REHABILITATION	SGR	1	713	383	383	1,806	6,048	9,333	52,923	62,256
CR02-421	TUNNEL ELECTRICAL LIGHTING SYSTEM	SGR	P	231	317	963	2,134	2,352	5,997	4,505	10,503
CR02-425	REPLACEMENT OF 27 KV CABLES BETWEEN SUBSTATIONS 2 AND 1	SGR	P	-	-	-	-	-	-	3,443	3,443
CR02-434	EMERGENCY DIESEL GENERATORS FOR HARRISON CAR MTC FACILITY & CONSOLIDATED SHOP	SEP	P	139	303	167	106	-	715	-	715
CR02-446	REPLACEMENT OF NEWPORT STATION ESCALATOR	SGR	1	-	-	-	-	-	-	12,358	12,358
CR02-462	REPLACEMENT OF SUBSTATION #7	SGR	3	1,751	5,467	10,782	19,969	4,491	42,460	-	42,460
CR02-463	REPLACEMENT OF SUBSTATION #9	SGR	1	908	1,014	889	8,907	1,001	12,719	44,625	57,344
CR02-477	HARRISON YARD SPECIAL TRACK WORK	SGR	4	1,381	477	282	523	1,583	4,245	7,913	12,158
CR02-486	CMWP - RAIL ROAD AVE AND CAISSON 1 VENT BLDG ROOF REPLACEMENT	SGR	4	359	48	23	-	-	430	-	430
CR02-497	SUBSTATION #9 - PROPERTY ACQUISITION	SGR	1	1,002	177	-	-	-	1,179	-	1,179
CR02-504	DUCT BANK TUNNELS A/B UNDERRIVER	SEC	P	-	-	-	-	13,955	13,955	147,363	161,318
CR02-505	CMWP - FACADE AND ROOF CHRISTOPHER ST SUBSTATION 1	SGR	1	257	25	-	-	-	282	-	282
CR02-508	CMWP - REPLACEMENT OF ROOF FOR SUBSTATION 5 (BACKUS)	SGR	4	721	61	-	-	-	782	-	782
CR02-509	REPLACEMENT OF ROOF FOR SUBSTATION 15 (CAISSON)	SGR	3	447	68	39	-	-	554	-	554
CR02-513	CMWP - REPLACEMENT OF ROOF - SUBSTATION 2A	SGR	3	107	76	17	-	-	199	-	199
CR02-514	CMWP - REPLACEMENT OF THE ROOF AT EXCHANGE PLACE SUB #4	SGR	3	370	79	35	-	-	485	-	485
CR02-516	REPLACEMENT OF MITER RAILS HACKENSACK RIVER BRIDGE	SGR	4	7,110	1,255	-	-	-	8,365	-	8,365

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(in thousands)

Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
CR02-517	CONSOLIDATED MTC SHOP - EXHAUST AND VENTILATION SYSTEM MODIFICATIONS	SGR	3	241	363	136	158	-	898	-	898
CR02-518	REPLACEMENT OF SWITCHING STATION NO. 6	SGR	4	1,272	2,556	1,546	324	-	5,698	-	5,698
CR02-522	REPLACEMENT OF ADA ELEVATOR - HOBOKEN	SGR	1	503	1,306	657	435	-	2,901	-	2,901
CR02-527	REPLACEMENT OF IN-GROUND LIFTS HARRISON CAR MTC FACILITY	SGR	1	931	4,383	4,049	1,652	-	11,016	-	11,016
CR02-529	REPLACEMENT OF TRACKSIDE CIRCUIT BREAKERS	SGR	1	595	595	595	595	595	2,975	2,626	5,601
CR02-541	REHABILITATION OF VENTILATION SUBSTATIONS - MORTON	SGR	P	-	-	-	416	935	1,351	9,404	10,755
CR02-548	SUBSTATION REHABILITATION - HARRISON CAR MTC FACILITY	SGR	P	-	-	382	896	4,827	6,105	35,575	41,680
CR02-552	CMWP - TUNNEL MAIN JUNCTION BOX REHABILITATION	SGR	4	117	-	-	-	-	117	-	117
CR02-556	REPLACEMENT OF ELEVATORS - HARRISON CAR MTC FACILITY	SGR	P	-	-	-	-	-	-	3,408	3,408
CR02-557	REPLACEMENT OF 650V DC 2,000KCMIL CABLES IN ALL TUNNELS EXCEPT E AND F	SGR	4	77	340	340	340	340	1,437	1,588	3,024
CR02-560	INSTALLATION OF SUB DRAINS AND RAISE TRACK AT GRAPE CROSSOVER AREA	SEP	P	366	1,028	626	369	-	2,389	-	2,389
CR02-569	SUBSTATION #8 - PROPERTY ACQUISITION	SGR	2	879	474	239	-	-	1,593	-	1,593
CR02-572	REPLACEMENT OF SWITCHING STATION #10 - NEWARK, NJ	SGR	4	1,199	101	-	-	-	1,300	-	1,300
CR02-573	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	957	540	53	165	-	1,715	-	1,715
CR02-574	30TH ST MEZZANINE REHABILITATION	SGR	P	756	732	220	830	-	2,539	-	2,539
CR02-576	REPLACEMENT OF ROOF - MACMILLAN BLOEDEL (MMB) BUILDING	SGR	P	340	4,213	3,458	1,414	-	9,426	-	9,426
CR02-579	CMWP - TRACKSIDE CIRCUIT BREAKERS CONTROL CABLES REPLACEMENT	SGR	4	-	425	425	425	404	1,679	296	1,975
CR02-582	HACKENSACK RIVER BRIDGE EMERGENCY GENERATOR FUEL TANK	SGR	1	1,253	1,297	450	-	-	3,000	-	3,000
CR02-583	TUNNELS - LATENT DAMAGE	SGR	1	5,375	5,857	6,454	7,026	7,789	32,500	16,527	49,027
CR02-584	EQUIPMENT PURCHASE RESILIENCY	SGR	1	2,084	5,030	3,528	7,900	-	18,542	5,000	23,542
CR02-585	EQUIPMENT PURCHASE RECOVERY WORK	SGR	1	2,548	3,431	10,312	14,987	8,149	39,427	15,000	54,427
CR02-TBD1	SUBS 7, 8, 9 AND 14 MID-TERM REPAIRS	SGR	1	425	425	340	340	270	1,800	-	1,800
CR02-TBD2	HOBOKEN STATION STAIRS FLOOD DOORS	SGR	1	425	1,275	2,125	425	750	5,000	-	5,000
CR02-TBD3	HOBOKEN UNDER PLATFORM FANS	SGR	1	425	2,550	2,975	1,050	-	7,000	-	7,000
CR02-407	CAPACITY ENHANCEMENTS AND STATION MODIFICATIONS OF GROVE ST STATION	SEP	1	2,929	6,862	2,441	2,159	4,250	18,641	195,500	214,141
	GROVE STREET STATION			**2,929**	**6,862**	**2,441**	**2,159**	**4,250**	**18,641**	**195,500**	**214,141**
CR02-458	REPLACEMENT & UPGRADE OF HARRISON STATION	SEP	4	21,254	27,562	39,627	64,087	29,564	182,094	15,000	197,094
CR02-496	HARRISON STATION - PROPERTY ACQUISITION, REMEDIATION & DEMOLITION	SEP	4	6,831	1,025	-	2,000	-	9,856	-	9,856
	HARRISON STATION			**28,085**	**28,587**	**39,627**	**66,087**	**29,564**	**191,950**	**15,000**	**206,950**
CR02-290	PATH EXTENSION TO NEWARK LIBERTY INTERNATIONAL AIRPORT	SEP	P	7,000	10,000	10,000	274,000	274,000	575,000	625,000	1,200,000
	PATH TO EWR			**7,000**	**10,000**	**10,000**	**274,000**	**274,000**	**575,000**	**625,000**	**1,200,000**
	PATH Subtotal	**61**		**141,676**	**155,335**	**199,508**	**543,108**	**463,925**	**1,503,552**	**1,498,002**	**3,001,554**

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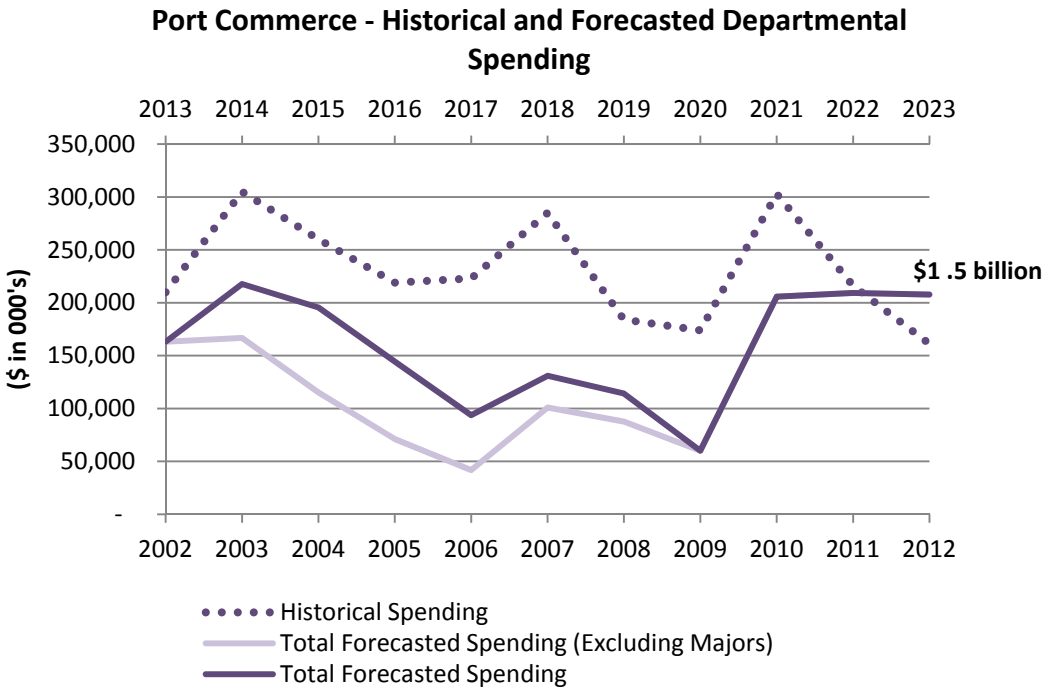
Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
	CR08-PATH SAFETY										
CR08-022	TUNNEL EMERGENCY VENTILATION FAN BLADE RENOVATION	SGR	4	655	176	52	-	-	**883**	**-**	**883**
CR08-066	EXCHANGE PLACE LANDSIDE SECURITY	SEC	4	437	37	-	-	-	**474**	**-**	**474**
CR08-068	JOURNAL SQUARE TRANSPORATION CENTER PHYSICAL PROTECTION	SEC	3	1,956	212	100	-	-	**2,268**	**-**	**2,268**
CR08-078	CONSTRUCTION OF FLOODGATE AT TUNNEL A,B,E,& F	SEC	3	11,267	10,998	9,111	8,686	8,258	**48,320**	**40,292**	**88,612**
CR08-079	TUNNEL MITIGATION	SEC	P	12,700	1,000	6,468	14,680	15,120	**49,968**	**72,337**	**122,305**
CR08-081	EXCHANGE PLACE WATERSIDE PROTECTION	SEC	3	1,018	110	-	-	-	**1,128**	**-**	**1,128**
CR08-091	CCTV & ACCESS CONTROL UPGRADES AT 33RD,HOB,PAV, & NWK STATION	SEC	4	4,588	136	-	-	-	**4,724**	**-**	**4,724**
CR08-096	INSTALLATION NEW LENEL ACCESS CONTROL &CCTV AT SUBSTATIONS AND ROOMS	SEC	1	1,156	3,515	1,246	-	-	**5,917**	**-**	**5,917**
CR08-100	UPGRADE OF UNIFIED COMMUNICATIONS NETWORK - SONET	SGR	4	628	300	230	194	-	**1,352**	**-**	**1,352**
CR08-101	CCTV AND ACCESS CONTROL AT 9TH, 14TH, 23RD STATION	SEC	3	3,234	3,090	-	-	-	**6,324**	**-**	**6,324**
CR08-103	INSTALLATION OF TRAIN UNDERCARRIAGE SCREENING DEVICES	SEC	P	332	2,757	3,591	-	-	**6,680**	**-**	**6,680**
	PATH SAFETY Subtotal	**11**		**37,971**	**22,331**	**20,797**	**23,560**	**23,378**	**128,037**	**112,629**	**240,666**
	CR21-JOURNAL SQUARE										
CR21-032	BUS TERMINAL ESCALATOR REPLACEMENT	SGR	4	1,299	110	-	-	-	**1,409**	**-**	**1,409**
CR21-075	REPLACEMENT OF DOMESTIC WATER PUMPS AND PIPING SYSTEMS	SGR	3	-	-	-	-	872	**872**	**4,364**	**5,235**
CR21-080	BUS TERMINAL LANES - WEARING COURSE AND WATERPROOF MEMBRANE REPLACEMENT	SGR	2	-	-	-	-	-	**-**	**12,729**	**12,729**
	JOURNAL SQUARE Subtotal	**3**		**1,299**	**110**	**-**	**-**	**872**	**2,280**	**17,092**	**19,373**
	CMWP PROVISION			5,000	5,000	5,000	5,000	5,000	**25,000**	**50,000**	**75,000**
	PATH TOTAL	**75**		**185,946**	**182,776**	**225,306**	**571,668**	**493,174**	**1,658,869**	**1,677,724**	**3,336,593**

Port Commerce

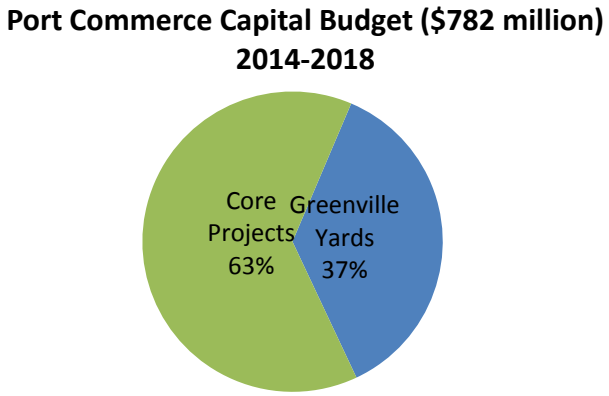
Port Commerce's capital program for 2014-2023 is $1.5 billion, with $782 million (49%) programmed to be spent in 2014-2018.

While Port Commerce will continue work on important programs such as harbor dredging and the Global Terminal Development project, there will also be increasing levels of State of Good Repair Work in the 10 year plan focused on preserving and improving the condition of the PA wharfs, piers and other Port Infrastructure.



Five Year Spending

In the 2014-2018 period the Port Commerce program includes 59 capital projects, with a budget of $782 million. This includes one Major Project, the Greenville Yards.



Port Commerce Capital Projects 2014-2018 ($ in 000's)	
Capital Budget (2014-2018)	782,062
Capital Budget as % of Plan	5.0%
Number of Projects	59
Number of Major Projects	1
Major Project Budget (2014-2018)	286,351
Major Project Budget as % of Departmental Budget	36.6%
Core Project Budget (2014-2018)	495,711

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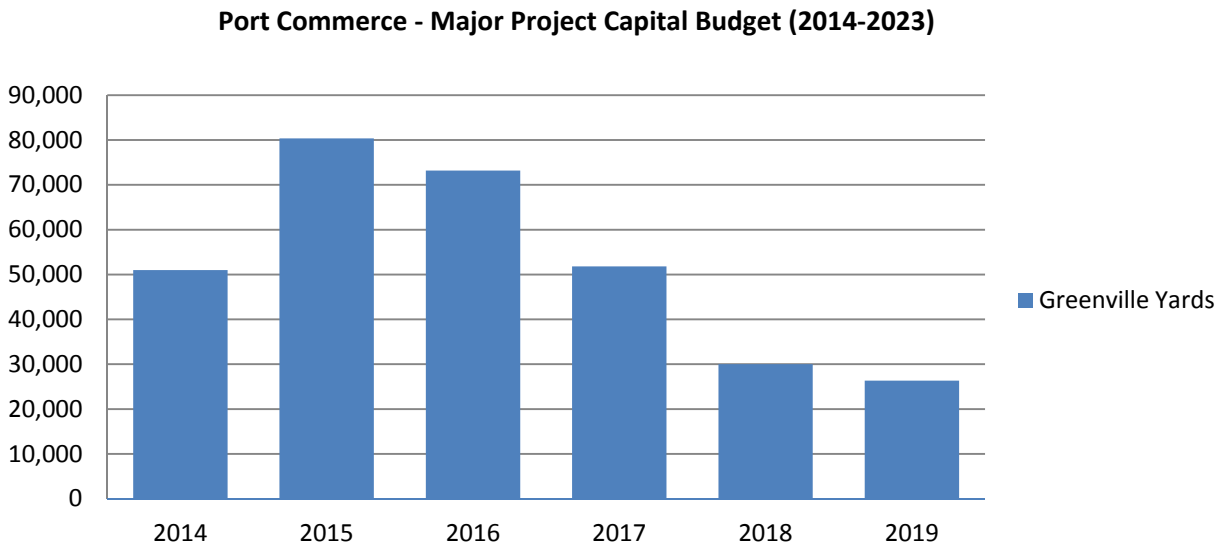
Port Commerce 5 – Year Capital Spending						($ in 000's)
	2014	2015	2016	2017	2018	2014-2018
Mandatory	2,654	141	0	0	0	2,794
Security	775	5,128	9,826	0	0	15,728
SGR	16,378	25,909	14,676	5,987	17,085	80,034
Stage 4 - Construction	133,619	61,162	21,294	6,211	25,478	247,764
SEP/RPP	13,289	22,772	25,307	29,634	58,388	149,391
Core Projects Subtotal	166,714	115,111	71,104	41,832	100,951	495,711
Greenville Yards	50,996	80,354	73,200	51,800	30,000	286,351
Total Capital Budget	217,710	195,465	144,304	93,632	130,951	782,062

Major Projects

The Greenville Yards project is currently forecasted to be completed in 2019. The total project cost is estimated at $334 million, with $286 million of capital investment slated to occur in 2014-2018. Greenville Yards accounts for 35% of Port Commerce's capital budget in 2014-2018, and 17% of the Department's total capital budget from 2014-2023.

Port Commerce -Major Projects ($ in 000's)	2014-2018	2019-2023	2014-2023
Greenville Yards	**286,351**	**26,350**	**312,701**



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Core Department Projects (Excludes Majors)

There are 51 core projects in the Port Commerce department, which sum to a total capital investment of $1.5 billion over the 2014-2023 period. The Port Street Capacity and Corbin Street Ramp Improvements is the largest core project currently undertaken by the department ($ 105 million), scheduled for completion in 2019. Additionally, the North Avenue Corridor Improvements and Global Terminal Development have significant level of spending; however, the majority of remaining projects in the core program are limited to smaller capital projects.

Rank	Top 10 ($ in 000's)	Stage	2014-2018	2019-2023	2014-2023	TPC
1	Port Street Capacity and Corbin Street Ramps Improvement	3	82,830	21,907	104,738	105,000
2	North Ave Corridor Improvements (NACI)	1	8,500	71,000	79,500	224,000
3	Global Terminal Development	4	72,461	0	72,461	157,935
4	Acquisition of Strategic Properties	4	0	54,072	54,072	93,004
5	Roadway Access Improvements – Eastbound Ramp	P	33,544	19,510	53,053	54,440
6	Port Jersey SGR Development	P	177	44,244	44,421	107,190
7	Sprinkler System Replacement (Multiple Buildings)	P	1,995	41,003	42,998	42,998
8	Consolidated Project to 50 FT – NJ to PJ	4	7,052	26,914	33,966	266,548
9	Consolidated Project to 50 FT NJ to PJ, Amberose	4	7,116	24,010	31,126	277,928
10	Berth 3 Wharf Reconstruction	4	28,321	0	28,321	39,000

Composition of Core Projects

Because of the relatively few core projects in Port Commerce's capital portfolio, the share of core department spending at each facility is significantly impacted by the largest capital projects as outlined above.

Core Department Capital Spending by Facility ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Core Dept Spending
Port Newark	19	248,983	120,510	369,494	29%
Elizabeth Marine Terminal	5	26,977	97,914	124,891	10%
Brooklyn Marine Terminal	4	10,672	7,590	18,262	1%
Howland Hook	7	66,057	40,754	106,811	8%
Port Jersey Automarine Terminal	10	111,694	126,601	238,294	19%
NY/NJ Rail LLC	1	4,301	0	4,301	0%
Red Hook Terminal	5	2,026	34,153	36,179	3%
Provisions		25,000	343,159	368,159	29%
Total	51	495,711	770,680	1,266,391	

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State of Good Repair Projects

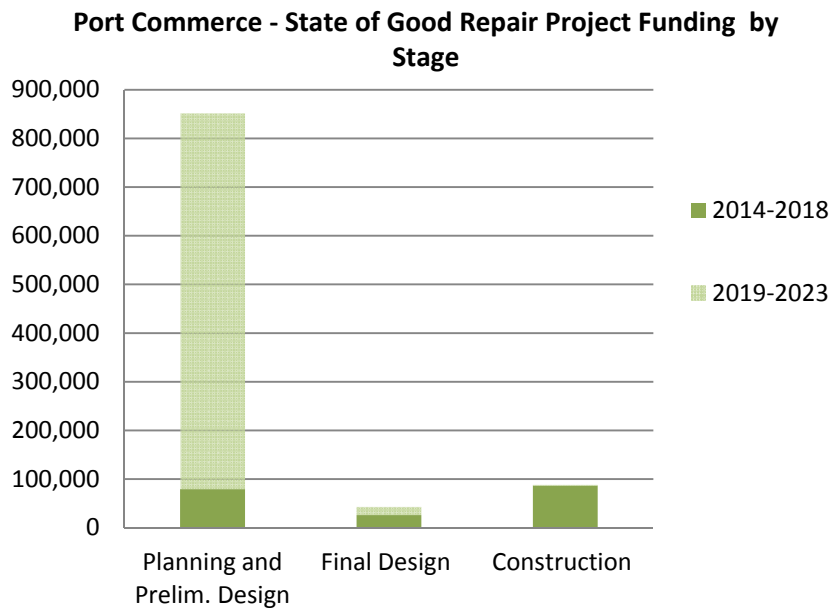
Core Department Capital Spending by Project Type ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Core Dept Spending
State of Good Repair [4]	25	166,587	522,214	688,801	54.4%
Mandatory	7	50,714	64,830	115,544	9.1%
Security	5	15,728	4,546	20,274	1.6%
SEP/RPP	14	262,682	179,090	441,772	34.9%
Total Core Projects	**51**	**495,711**	**770,680**	**1,266,391**	

In the core budget for the next five years, approximately 50% of capital investment is allocated to System Enhancing and Revenue Producing Projects ($262 million). Investment in SGR projects accounts for $166 million (33%) of the five-year core budget.

Over the 2014-2023 period, the investment in SGR projects is significantly greater; approximately half of Port Commerce's core projects are SGR projects, which accounts for 54% of core department spending overall.

The investment in SGR projects in Port Commerce over the next ten years total $688 million; however, 75% ($522 million) of SGR funding occurs in the second five years.

Port Commerce SGR Projects ($ in 000's)	
Total SGR Budget (2014-2023)	688,801
SGR Budget as Share of Dept. Budget	43.6
SGR Budget (2014-2018)	166,587
SGR Budget (2019-2023)	522,214
Number of SGR Projects	25
Number of SGR Projects in Stage 4	7
Share of SGR Projects in Stage 4	28.0%
Stage 4 Project Budget	86,552



[4] State of Good Repair total reflects $293 million of allocated funds for future SGR requirements

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Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
PORT COMMERCE											
	CP05-PORT NEWARK										
CP05-120	CONSOLIDATE PROJECT TO 50 FT-NJ, PJ, AMBEROSE	MAND	4	65	2,551	-	-	4,500	7,116	24,010	31,126
CP05-124	PORT SECURITY PROGRAM-NJMT-BADGE, ID SYS	SEC	3	251	4,074	7,650	-	-	11,975	-	11,975
CP05-148	EXPRESS RAIL/CORBIN INTERMODAL RAIL SUPPORT - TRACK WORK - PHASE 2A	RPP	4	10,671	6,684	-	-	-	17,355	-	17,355
CP05-156	PORT STREET & BREWSTER ROAD CONNECTOR	SEP	4	5,034	-	-	-	-	5,034	-	5,034
CP05-173	BERTH 14 WHARF RECONSTRUCTION	SGR	4	13,355	10,251	4,187	-	-	27,793	-	27,793
CP05-187	PORT STREET CAPACITY AND CORBIN STREET RAMPS IMPROVEMENT	SEP	3	1,121	8,359	17,770	20,634	34,945	82,830	21,907	104,738
CP05-193	UPGRADE WATER LINES AT NJMT	SGR	M	3,873	3,281	4,234	3,710	3,645	18,744	1,675	20,419
CP05-206	DEMOLITION OF BUILDINGS 135, 150 AND 270	RPP	M	-	-	-	-	800	800	6,786	7,586
CP05-220	BERTHS 30, 32 AND 34 FENDER SYSTEM UPGRADE	SEP	3	3,886	6,727	2,000	-	-	12,613	-	12,613
CP05-246	BERTH 19 REHABILITATION	SGR	1	1,000	5,000	1,000	-	-	7,000	-	7,000
CP05-224	PRIORITY MARINE REPAIRS AT BERTHS 16 TO 24	SGR	4	787	-	-	-	-	787	-	787
CP05-233	BERTH 3 WHARF RECONSTRUCTION	SGR	4	9,409	8,540	10,372	-	-	28,321	-	28,321
CP05-238	SANITARY LIFT STATIONS AT NJMT	SGR	3	2,937	3,800	500	-	-	7,237	-	7,237
CP05-239	WATER SYSTEM AT NJMT- PHASE 2	SGR	P	-	-	-	-	999	999	18,578	19,576
CP05-242	SPRINKLER SYSTEM REPLACEMENT(MULTIPLE BUILDINGS)	SGR	P	-	-	-	-	1,995	1,995	41,003	42,998
CP05-249	TRAFFIC SIGNALS AT NJMT	SGR	3	3,385	3,468	2,948	-	-	9,800	-	9,800
CP05-251	UPGRADE OF ELECTRICAL SYSTEMS IN BLDG 260	SGR	1	907	3,342	491	987	2,006	7,733	3,528	11,261
CP05-254	FACILITY DATA ROOM REHABILITATION	SEC	P	-	-	-	-	-	-	3,022	3,022
CP05-255	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	469	380	-	-	-	850	-	850
	PORT NEWARK Subtotal	19		57,151	66,457	51,154	25,332	48,890	248,983	120,510	369,494
	CP08-MARINE TERMINAL AT ELIZABETH										
CP08-096	MCLESTER STREET ROADWAY WIDENING	SEP	4	5,061	-	-	-	-	5,061	-	5,061
CP08-111	UTILITIES RELOCATION KVK/NB 50' CHANNEL	MAND	4	888	851	1,000	1,000	2,392	6,131	-	6,131
CP08-112	CONSOLIDATED PROJECT TO 50 FEET-NJ-PJ	MAND	4	-	2,551	-	-	4,500	7,052	26,914	33,966
CP08-127	NORTH AVE CORRIDOR IMPROVEMENTS (NACI)	SEP	1	500	1,000	1,500	2,000	3,500	8,500	71,000	79,500
CP08-142	CMWP - RE-ROOFING OF MODULAR WAREHOUSE BLDG 1170	SGR	4	234	-	-	-	-	234	-	234
	MARINE TERMINAL AT ELIZABETH Subtotal	5		6,683	4,402	2,500	3,000	10,392	26,977	97,914	124,891
	CP09-BROOKLYN PIERS										
CP09-085	PORT SECURITY PROGRAM NYMT-BADGE, ID SYS	SEC	3	55	674	2,175	-	-	2,903	-	2,903
CP09-108	PIERS CRUISE TERMINAL SHORE POWER	SEP	4	6,272	1,415	-	-	-	7,687	-	7,687
CP09-117	CLINTON WHARF DEMOLITION / STABILIZATION	SGR	P	-	-	-	-	-	-	3,357	3,357
CP09-118	REPLACEMENT OF SPRINKLER SYSTEM PIER SHED 11	SGR	P	-	-	-	-	82	82	4,233	4,315
	BROOKLYN PIERS Subtotal	4		6,326	2,089	2,175	-	82	10,672	7,590	18,262
	CP11-HOWLAND HOOK										
CP11-020	ARTHUR KILL CHANNEL DEEPENING 40/41'+2'	MAND	4	6,661	6,379	-	-	-	13,040	-	13,040
CP11-039	CONSOLIDATED PROJECT TO 50 FEET-NY-AMBROSE	MAND	4	-	1,701	-	-	1,000	2,701	13,906	16,607
CP11-044	UTILITIES RELOCATION ARTHUR KILL 50' CHANNEL	MAND	4	888	851	1,500	1,500	7,140	11,879	-	11,879
CP11-055	PORT IVORY INTERMODAL TERMINAL (TRACKS 6-7) - PHASE 1B	RPP	4	3,393	-	-	-	-	3,393	-	3,393
CP11-056	ROADWAY ACCESS IMPROVEMENTS - EAST BOUND RAMP	SEP	P	1,500	2,101	3,000	7,000	19,943	33,544	19,510	53,053
CP11-073	DEMOLITION OF 60 & 80 SERIES BUILDINGS	RPP	M	-	-	-	-	1,500	1,500	5,815	7,315

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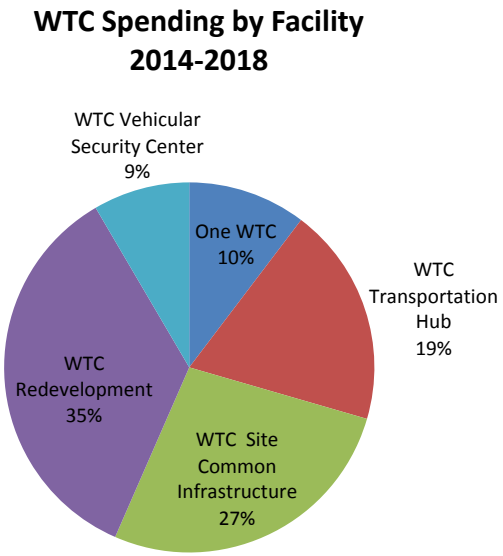
CP11-083	FACILITY DATA ROOM REHABILITATION	SEC	P	-	-	-	-	-	-	1,523	1,523
	HOWLAND HOOK Subtotal	**7**		**12,443**	**11,031**	**4,500**	**8,500**	**29,584**	**66,057**	**40,754**	**106,811**
	CP16-AUTOMARINE TERMINAL										
CP16-067	PORT JERSEY SHORELINE PROTECTION	SGR	4	7,425	-	-	-	-	7,425	-	7,425
CP16-027	GLOBAL TERMINAL DEVELOPMENT	RPP	4	58,003	14,458	-	-	-	72,461	-	72,461
CP16-033	ACQUISITION OF STRATEGIC PROPERTIES	RPP	4	-	-	-	-	-	-	54,072	54,072
CP16-038	ACCESS IMPROVEMENTS PORT JERSEY	RPP	3	6,282	4,585	1,037	-	-	11,904	-	11,904
CP16-044	SGR DEVELOPMENT	SGR	P	-	-	-	-	177	177	44,244	44,421
CP16-047	RECONSTRUCTION OF BERTH E-1 AND E-2	SGR	3	-	-	-	-	-	-	16,884	16,884
CP16-048	DEMOLITION AND STABILIZATION OF BERTH N2 PLATFORM	SGR	P	-	-	-	-	4,800	4,800	11,401	16,200
CP16-053	INSTALLATION OF BACKFLOW PREVENTION DEVICES AT PORT JERSEY SOUTH	MAND	3	2,654	141	-	-	-	2,794	-	2,794
CP16-059	REPLACE HEATING SYSTEM IN BUILDING 180 IN PORT JERSEY SOUTH	SGR	4	1,600	1,649	-	-	-	3,249	-	3,249
CP16-066	UPGRADE OF PROTECTIVE DEVICES & DISTRIBUTION EQUIPMENT - EAST SUBSTATION	SGR	3	2,633	3,514	2,737	-	-	8,884	-	8,884
	AUTOMARINE TERMINAL Subtotal	**10**		**78,596**	**24,347**	**3,774**	**-**	**4,977**	**111,694**	**126,601**	**238,294**
	CP17-NY/NJ RAIL LLC										
CP17-034	REHABILITATION OF MOORING CELLS AT NY/NJ RAILROAD	SGR	P	516	1,785	2,000	-	-	4,301	-	4,301
CP16-035	EXPRESS RAIL - INTERMODAL CONTAINER TRANSFER FACILITY AT GREENVILLE YARD	RPP	M	16,400	30,800	37,000	28,300	10,500	123,000	13,000	136,000
CP17-005	INTERMODAL INFRASTRUCTURE AT GREENVILLE YARD	RPP	P	4,500	7,500	2,000	-	3,000	17,000	-	17,000
CP17-016	INSTALLATION OF SUPPORT TRACKS	RPP	3	6,000	13,000	19,300	13,500	10,500	62,300	8,900	71,200
CP17-018	RECONFIGURE OFFSITE TRACKS - A-YARD AND TROPICANA	RPP	3	2,250	3,500	7,250	10,000	6,000	29,000	4,450	33,450
CP17-019	CONSTRUCTION OF NEW BARGE	RPP	3	5,000	4,200	1,850	-	-	11,050	-	11,050
CP17-027	RECONSTRUCTION OF TRANSFER BRIDGE#10	RPP	3	10,000	15,000	5,800	-	-	30,800	-	30,800
CP17-029	PURCHASE OF 3 NEW ULTRA-LOW EMISSIONS LOCOMOTIVES	SEP	P	3,200	4,000	-	-	-	7,200	-	7,200
CP17-033	FENDER SYSTEM MODIFICATIONS AT 65TH STREET TERMINAL (CROSS HARBOR)	SEP	3	3,646	2,354	-	-	-	6,000	-	6,000
	GREENVILLE-CROSS HARBOR			**50,996**	**80,354**	**73,200**	**51,800**	**30,000**	**286,351**	**26,350**	**312,701**
	NY/NJ RAIL LLC Subtotal	**9**		**51,512**	**82,139**	**75,200**	**51,800**	**30,000**	**290,652**	**26,350**	**317,002**
	CP91-RED HOOK TERMINAL										
CP91-056	REPLACEMENT OF SPRINKLER SYSTEM AT PIER SHED 9B	SGR	P	-	-	-	-	415	415	4,396	4,812
CP91-058	PAVEMENT AND UTILITY REHABILITATION OF PIER 9A	SGR	P	-	-	-	-	465	465	7,192	7,657
CP91-059	PAVEMENT AND UTILITY REHABILITATION OF PIER 9B	SGR	P	-	-	-	-	584	584	7,963	8,547
CP91-060	PAVEMENT AND UTILITY REHABILITATION OF PIER 10 - PHASE 1	SGR	P	-	-	-	-	562	562	5,843	6,405
CP91-061	PAVEMENT AND UTILITY REHABILITATION OF PIER 10 - PHASE 2	SGR	P	-	-	-	-	-	-	8,758	8,758
	RED HOOK TERMINAL Subtotal	**5**		**-**	**-**	**-**	**-**	**2,026**	**2,026**	**34,153**	**36,179**
	CMWP PROVISION			5,000	5,000	5,000	5,000	5,000	25,000	50,000	75,000
	Future SGR Requirements			-	-	-	-	-	-	293,159	293,159
	PORT COMMERCE TOTAL	**59**		**217,710**	**195,465**	**144,304**	**93,632**	**130,951**	**782,062**	**797,030**	**1,579,092**

World Trade Center Redevelopment

The Port Authority will continue to invest heavily in the completion of the World Trade Center Redevelopment project over the next several years. In the next five years, WTC capital projects will account for $4.9 billion, which is 30% of the agency's capital plan.

Quick Stats – World Trade Center 2014-2018 ($ in 000's)	
Capital Budget (2014-2018)	4,900,211
Capital Budget as % of Plan	30.9%
Number of Projects	27



WTC Retail Development and WTC Site Common Infrastructure account for the largest share of capital investment, with $1.7 billion and $1.3 billion in spending, respectively. One WTC is forecasted to be complete in 2014, with a remaining capital budget of $506 million. This accounts for approximately 10% of WTC spending in 2014-2018. In the 2019-2023 period, minimal WTC capital spending is forecasted ($12 million).

Departmental Spending by Facility ($ in 000's)	Number of Projects	2014-2018	2019-2023	2014-2023	2014-2023 Dept Spending
One WTC	1	506,297	0	506,297	10.3%
WTC Transportation Hub	1	938,736	0	938,736	19.1%
WTC Site Common Infrastructure and Memorial*	16	1,326,083	0	1,326,083	27.0%
WTC Retail Development[5]	6	1,715,651	11,945	1,727,596	35.2%
WTC Vehicular Security Center	3	413,444	0	413,444	8.4%
Total	27	4,900,211	11,945	4,912,156	

[5] Before capital contributions from National September 11 Museum and Memorial and Westfield for the retail joint venture.

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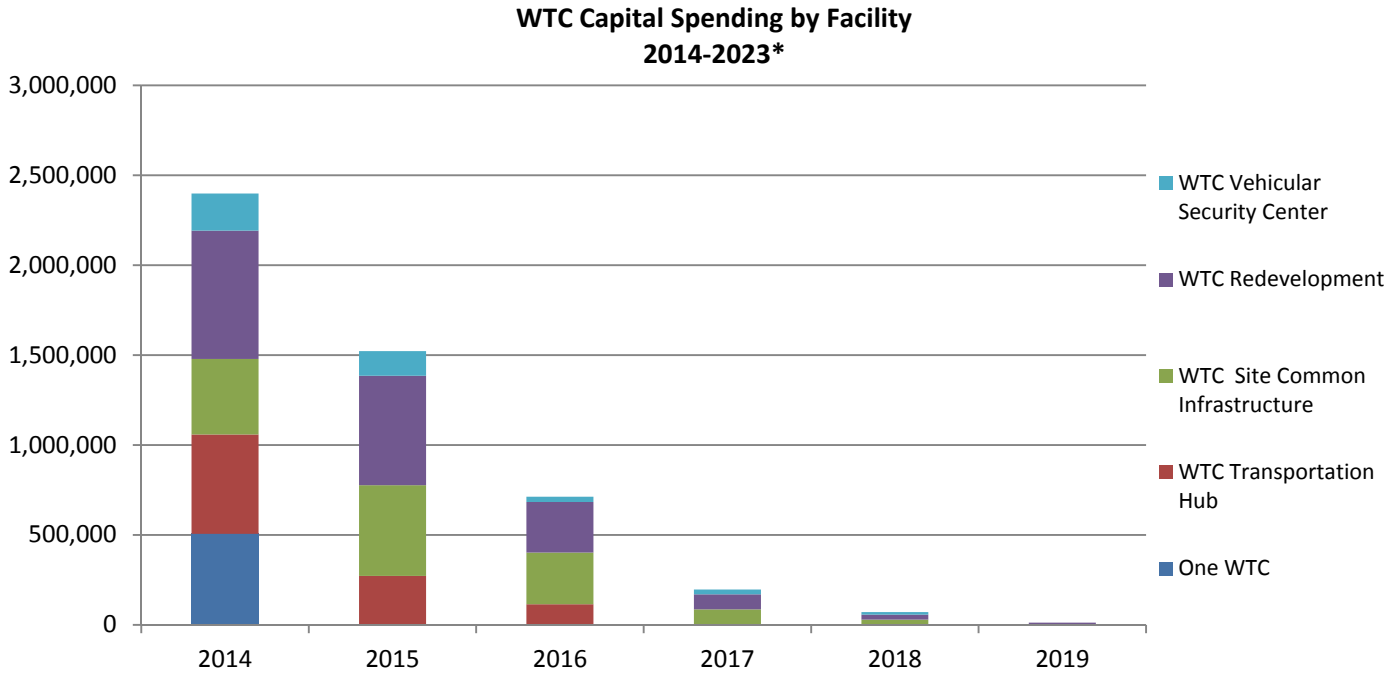
Departmental Spending by Facility ($ in 000's)	2014	2015	2016	2017	2018	2019	2014-2023 Total Remaining Spending
One WTC	506,297	0	0	0	0	0	506,297
WTC Transportation Hub	552,129	272,208	114,399	0	0	0	938,736
WTC Site Common Infrastructure and Memorial	419,745	503,867	287,054	86,115	29,302	0	1,326,083
WTC Retail Development	713,817	609,450	281,588	83,389	27,406	11,945	1,727,596
WTC Vehicular Security Center	206,210	136,548	29,632	26,779	14,275	0	413,444
Total	2,398,198	1,522,073	712,673	196,283	70,983	11,945	4,912,156



* No forecasted spending post-2019

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2014-2023 CAPITAL PLAN
BY DEPARTMENT AND FACILITY
(in thousands)

Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
WORLD TRADE CENTER											
CW31-555	1 WORLD TRADE CENTER CONSTRUCTION	RPP	M4	506,297	-	-	-	-	506,297	-	506,297
	ONE WTC Subtotal	**1**		**506,297**	**-**	**-**	**-**	**-**	**506,297**	**-**	**506,297**
CR12-001	WTC TRANSPORTATION HUB	MAND	M4	552,129	272,208	114,399	-	-	938,736	-	938,736
	TRANSPORTATION HUB Subtotal	**1**		**552,129**	**272,208**	**114,399**	**-**	**-**	**938,736**	**-**	**938,736**
CW11-026	WTC SITE COMMON INFRASTRUCTURE	SEC	M3	577	519	101	-	-	1,197	-	1,197
CW11-024	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	33,359	37,125	36,708	32,462	19,801	159,455	-	159,455
CW11-001	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	3,450	8,501	-	-	-	11,951	-	11,951
CW11-005	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	13,868	9,020	5,032	-	-	27,920	-	27,920
CW11-006	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	73,396	65,232	24,919	13,108	-	176,655	-	176,655
CW11-007	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	(174,775)	-	-	-	-	(174,775)	-	(174,775)
CW11-010	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	111,104	159,795	109,067	-	-	379,966	-	379,966
CW11-015	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	91,175	164,590	-	-	-	255,765	-	255,765
CW11-016	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	-	-	52,000	-	-	52,000	-	52,000
CW11-018	WTC SITE MONITORING AND COORDINATION	MAND	M4	-	40,490	5,867	5,147	-	51,504	-	51,504
CW11-019	WTC SITE SECURITY OPERATIONS	MAND	M4	34,229	43,627	27,353	24,899	-	130,108	-	130,108
CW11-020	WTC MEMORIAL AND MUSEUM PROJECT	MAND	M4	-	130,902	-	-	-	130,902	-	130,902
CW32-002	TOWER 2 STRUCTURE TO GRADE	MAND	M4	5,000	-	-	-	-	5,000	-	5,000
CW34-002	DESIGN, CONSTRUCT AND BUILD OUT PA CORP. OFFICES (4 WTC)	MAND	3	66,211	26,345	-	-	-	92,556	-	92,556
CW11-023	CORTLANDT STREET STATION	SRP	M4	61,702	62,221	26,007	10,499	9,501	169,930	-	169,930
CW11-008	WTC MEMORIAL AND PA FUNDED	SEP	M4	100,449	(244,500)	-	-	-	(144,051)	-	(144,051)
	SITE COMMON INFRASTRUCTURE incl MEMORIAL Subtotal	**16**		**419,745**	**503,867**	**287,054**	**86,115**	**29,302**	**1,326,083**	**-**	**1,326,083**
CW11-027	CAMPUS SECURITY PLAN	SEC	3	28,817	35,567	33,393	-	-	97,778	-	97,778
CW11-025	WTC SYSTEMS INTEGRATION	SEP	2	15,000	15,000	3,954	-	-	33,954	-	33,954
CW11-017	WTC COMMERCIAL CAR PARKING	MAND	M4	30,000	38,598	18,401	5,274	-	92,273	-	92,273
CW11-022	WTC PROPERTY MANAGEMENT FACILITY	MAND	M4	80,000	15,363	-	-	-	95,363	-	95,363
CW30-001	WTC RETAIL REDEVELOPMENT - PHASE 1	RPP	M4	400,000	393,488	149,916	49,817	22,328	1,015,549	-	1,015,549
CW31-001	1 WORLD TRADE CENTER - MARKETING, LEASING AND BASE BUILDING IMPROVEMENTS	RPP	M4	160,000	111,434	75,924	28,298	5,078	380,734	11,945	392,679
	WORLD TRADE CENTER REDEVELOPMENT Subtotal	**6**		**713,817**	**609,450**	**281,588**	**83,389**	**27,406**	**1,715,651**	**11,945**	**1,727,596**
CW11-003	VEHICULAR SECURITY CENTER & TOUR BUS PARKING (VSC1)	SEC	M4	138,527	-	-	-	-	138,527	-	138,527
CW11-009	EAST BATHTUB VEHICULAR SECURITY CENTER (VSC2)	MAND	M4	54,398	40,101	-	-	-	94,499	-	94,499
CW11-021	WEST BATHTUB VEHICULAR ACCESS (VSC3)	MAND	M4	13,285	96,447	29,632	26,779	14,275	180,418	-	180,418
	VEHICLE SECURITY CENTER Subtotal	**3**		**206,210**	**136,548**	**29,632**	**26,779**	**14,275**	**413,444**	**-**	**413,444**
	WTC	**27**		**2,398,198**	**1,522,073**	**712,673**	**196,283**	**70,983**	**4,900,211**	**11,945**	**4,912,156**

Planned Provisions and Regional Development

Planned Provisions: TSD, Future SGR Requirements, and CMWP

The planned provisions in the Capital Plan are provided to address future needs of the Agency, which may or may not be specifically known at this point in time. In total, provisions for TSD and Future SGR Requirements account for less than one percent of capital investment in 2014-2018, and 2.8 % of overall capital investment in the next ten years (2014-2023).

- TSD – Technology Services Department
  - The allocation of capital investment for TSD provides for the investment in capital infrastructure systems and services to support smooth ongoing operations, and to increase innovation and efficiency throughout the agency

- Future State of Good Repair Requirements
  - The agency has a broad portfolio of infrastructure, much of which is aging and in need of ongoing maintenance and repair. In order to adequately maintain existing assets, the Line Departments and Engineering have identified the highest priority SGR projects, which are included in the capital plan, but also have anticipated future needs (both known and unknown) in the second five years of the plan.
  - These future needs are accounted for in the "provisions" section of the Capital Plan, if not yet defined as specific departmental projects.

Capital Spending – Planning Provisions ($ in 000's)	**2014-2018**	**2019-2023**	**2014-2023**	**2014-2023 Share of Capital Plan Spending**
TSD	10,000	10,000	20,000	0.073%
Future SGR Requirements	0	759,939	759,939	2.76%
Total Provisions	10,000	769,939	779,939	2.8%

- CMWP – Capital Major Works Program
  - The CMWP Program exists to expedite small (less than $2 million) capital projects that can be delivered in two years or less. This allows the agency to become more flexible in responding to immediate capital needs.
  - All costs associated with the CMWP program are reflected in each line department's budget.

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Regional Development

Regional Development projects are regional initiatives undertaken by the Agency, in consultation with the Governors of New York and New Jersey, to address projects deemed essential to the continued economic viability of the two states and the region.

Regional Development initiatives account for a relatively small share of the capital plan (3.4%), and total $943 million in investment in the next ten years.

Quick Stats – Regional Development ($ in 000's)	
Total Budget (2014-2023)	942,571
Budget as Share of Capital Plan	3.4%
Budget 2014-2018	192,571
Budget 2019-2023	750,000
Number of Projects	10

Project ($ in 000's)	2014	2015	2016	2017	2018	Total Spending 2014-2018	Total Spending 2019-2023	Total Spending 2014-2023
Regional Transportation and Economic Development Projects (NY)	3,500	1,500	0	0	0	5,000	0	5,000
NJ Hudson Raritan Estuary Programs	2,892	1,508	2,100	2,588	1,000	10,088	25,000	35,088
NY Hudson Raritan Estuary Programs	1,300	1,000	1,371	1,000	1,000	5,671	25,000	30,671
Regional Transportation and Economic Development Projects	3,375	2,000	3,924	0	0	9,299	0	9,299
Regional Development Facility	2,579	842	0	0	0	3,421	0	3,421
Environmental Land Acquisition Program	2,000	3,000	0	0	0	5,000	0	5,000
NJ Project Development Funds	1,946	2,146	0	0	0	4,092	0	4,092
NY Regional Transportation Programs	0	0	0	0	0	0	250,000	250,000
NY Regional Infrastructure Renewal Program	15,000	15,000	15,000	15,000	15,000	75,000	225,000	300,000
NJ Regional Infrastructure Renewal Program	15,000	15,000	15,000	15,000	15,000	75,000	225,000	300,000
Total	**47,592**	**41,996**	**37,395**	**33,588**	**32,000**	**192,571**	**750,000**	**942,571**

DRAFT SUBJECT TO CHANGE 2-4-14

Document Acronyms

CCTV	Closed Circuit TV
CMWP	Capital Major Works Program
CPR	Capital Project Revenue
CTB	Central Terminal Building
DBFM	Design, Build, Finance, Maintain
EWR	Newark
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
GOCOR	Government and Community Relations
GWB	George Washington Bridge
ICTF	Intermodal Container Terminal Facility
ITS	Intelligent Transportation Systems
JFK	John F. Kennedy International Airport
LEED	Leadership in Energy & Environmental Design
LGA	LaGuardia Airport
LT	Lincoln Tunnel
LTA	Lincoln Tunnel Access
LTAP	Lincoln Tunnel Access Program
MOU	Memorandum of Understanding
NEC	Northeast Corridor
NFPA	National Fire Protection Agency
NJDEP	New Jersey Department of Environmental Protection
NJDOT	New Jersey Department of Transportation
NJSHPO	New Jersey State Historical Preservation Office
NJTA	New Jersey Transportation Authority
NYCDEP	New York City Department of Environmental Protection
NYCMTA	New York City Metropolitan Transit Authority
NYSDEC	New York State
NYSDOT	New York State Department of Transportation
NYSHPO	New York State Historical Preservation Office
OBX	Outerbridge Crossing
PPP	Public Private Partnership
PSE&G	Public Service Electric & Gas
RPP	Revenue Producing Project

Document Acronyms (continued)

SEP	System Enhancing Project and/or Revenue Producing
SGR	State of Good Repair
SHPO	State Historical Preservation Office
SIB	Staten Island Bridges
TSA	Transportation Security Administration
TSD	Technology Services Department
USACOE	United States Army Corps of Engineers
USCG	United States Coast Guard
VMS	Voice Management System
WTC	World Trade Center
XBL	Exclusive Bus Lane

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(in thousands)

Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
AVIATION											
	CA02-LaGUARDIA AIRPORT										
CA02-037	PHYSICAL PROTECTION OF TERMINAL BUILDING GLASS	SEC	P	247	1,002	5,135	-	-	**6,384**	**-**	**6,384**
CA02-045	INSTALLATION OF CCTV AT SELECT AOA ACCESS DOORS	SEC	P	419	1,646	1,084	-	-	**3,149**	**-**	**3,149**
CA02-053	SCHOOL SOUNDPROOFING - PHASE 3	MAND	4	5,560	7,860	-	-	-	**13,420**	**-**	**13,420**
CA02-114	INSTALLATION OF BOLLARD AT TENANT TERMINALS	SEC	4	972	2,650	-	-	-	**3,622**	**-**	**3,622**
CA02-117	UPGRADE OF GUARD POST VEHICLE BARRIER CONTROL PANELS	SEC	4	211	-	-	-	-	**211**	**-**	**211**
CA02-118	REHABILITATION OF RUNWAYS DECK WEARING SURFACE	SGR	1	-	-	-	-	137	**137**	**11,020**	**11,157**
CA02-127	REHABILITATION OF RUNWAY DECK PRIORITY STRUCTURAL ELEMENTS - I	SGR	4	888	-	-	-	-	**888**	**-**	**888**
CA02-128	TRANSFER OF RUNWAY DECK ELECTRICAL CIRCUITS	SGR	4	2,397	1,071	-	-	-	**3,468**	**-**	**3,468**
CA02-129	REHABILITATION OF RUNWAY DECK STRUCTURAL ELEMENTS - 2	SGR	1	1,079	2,933	5,363	-	-	**9,375**	**-**	**9,375**
CA02-231	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	5,940	1,413	-	-	-	**7,353**	**-**	**7,353**
CA02-246	AIRPORT CHECKPOINT DIGITAL CCTV SYSTEM ENHANCEMENTS	SEC	3	250	153	1,575	-	-	**1,978**	**-**	**1,978**
CA02-328	UPGRADE PUMPS IN PUMP HOUSE 4	SGR	4	3,703	3,995	4,290	-	-	**11,988**	**-**	**11,988**
CA02-330	BIOMETRICS	SEC	3	-	45	407	2,483	-	**2,935**	**-**	**2,935**
CA02-352	DEICING PRODUCT RECOVERY	MAND	P	-	-	-	-	717	**717**	**6,728**	**7,444**
CA02-353	CONSTRUCT UNDERGROUND GLYCOL STORAGE FACILITY AT WEST END	MAND	P	-	-	-	-	-	**-**	**7,461**	**7,461**
CA02-360	REHABILITATION OF EAST END LGA ROAD PAVEMENT	SGR	4	1,773	923	-	-	-	**2,696**	**-**	**2,696**
CA02-368	REALIGNMENT OF WESTSIDE TAXIWAYS Y, CY, AA, BB, F, D AND RVSR	MAND	4	1,161	1,248	-	-	-	**2,409**	**-**	**2,409**
CA02-381	EMERGENCY GENERATORS	SGR	1	-	-	-	-	619	**619**	**13,868**	**14,487**
CA02-388	CMWP - REHABILITATION OF CENTRAL TERMINAL ROAD	SGR	3	421	-	-	-	-	**421**	**-**	**421**
CA02-401	REHABILITATION OF RUNWAY 13-31 AND ASSOCIATED TAXIWAYS	SGR	1	835	12,058	15,768	10,004	-	**38,665**	**-**	**38,665**
CA02-417	RUNWAY 13 & 22 DECKS SAFETY OVERRUN	MAND	4	31,872	54,909	9,208	-	-	**95,989**	**-**	**95,989**
CA02-423	REHABILITATION OF TAXIWAYS WEST OF RUNWAY 4-22	SGR	P	2,845	7,651	780	-	-	**11,276**	**-**	**11,276**
CA02-434	CTB WATER DAMAGE REMEDIATION PHASE - 2	SGR	4	1,614	412	-	-	-	**2,027**	**-**	**2,027**
CA02-435	CTB CONCOURSE PLANK REHABILITATION	SGR	4	786	1,052	-	-	-	**1,838**	**-**	**1,838**
CA02-445	REHABILITATION OF TAXIWAYS A, M, AND ZA	SGR	4	6,945	3,540	-	-	-	**10,485**	**-**	**10,485**
CA02-446	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	375	**375**	**4,877**	**5,252**
CA02-447	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	1,349	1,379	-	-	-	**2,728**	**-**	**2,728**
CA02-451	CMWP - TRAFFIC AND INTERSECTION SAFETY IMPROVEMENTS - PHASE 1	MAND	4	964	159	-	-	-	**1,123**	**-**	**1,123**
CA02-454	FEEDER UPGRADE AND REDISTRIBUTION FOR DELTA 2013 EXPANSION OF DELTA AIRLINES	SEP	4	832	894	-	-	-	**1,726**	**-**	**1,726**
CA02-464	REPLACEMENT OF THE RUNWAY DECK EXPANSION JOINTS	SGR	P	-	215	672	915	3,828	**5,630**	**16,555**	**22,186**

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BY DEPARTMENT AND FACILITY
(in thousands)

Project ID		Category	Stage	2014	2015	2016	2017	2018	2014-2018 Forecast	2019-2023 Forecast	2014-2023 Forecast
CA02-465	REHABILITATION OF RUNWAY DECK PRIORITY STRUCTURAL ELEMENTS - 3	SGR	P	-	792	4,858	6,162	2,896	14,708	-	14,708
CA02-466	REHABILITATION OF TAXIWAY "A" FROM ("L" TO "B") AND TAXIWAY "B" (FROM "G" TO "CY")	SGR	P	507	4,576	3,528	-	-	8,611	-	8,611
CA02-467	REHABILITATION OF TAXIWAY "B" (FROM "G" TO "V")	SGR	P	-	625	1,323	7,486	9,667	19,100	2,716	21,817
CA02-468	REHABILITATION OF TAXIWAY "AA" AND TAXIWAY "BB" (RUNWAY 4 THRESHOLD TO "E")	SGR	P	-	-	-	264	606	870	8,306	9,176
CA02-470	REPLACEMENT OF RUNWAY 4 & 31 EMAS	SGR	4	12,047	-	-	-	-	12,047	-	12,047
CA02-486	LAGUARDIA AIRPORT FLOOD CONTROL AND RESILIENCY IMPROVEMENTS	SEP	1	2,400	15,000	20,000	-	-	37,400	-	37,400
CA02-372	CTB REDEVELOPMENT PROGRAM - CENTRAL HEATING & REFRIGERATION PLANT	SGR	P	-	7,500	20,000	20,000	20,000	67,500	-	67,500
CA02-419	CTB REDEVELOPMENT PROGRAM - TERMINAL CONSTRUCTION AND RAMP	RPP	P	-	70,000	140,000	137,709	200,000	547,709	272,751	820,460
CA02-429	DEVELOPMENT OF INGRAHAM'S MOUNTAIN	SEP	1	8,135	12,052	9,492	5,265	-	34,944	-	34,944
CA02-460	WEST END 5KV DUCTBANK INFRASTRUCTURE UPGRADE	SEP	3	9,313	8,967	7,824	3,200	-	29,304	-	29,304
CA02-461	EAST END SUBSTATION FOUNDATION AND SITE UTILITIES	SGR	3	2,202	2,202	1,102	1,112	-	6,618	-	6,618
CA02-441	CTB REDEVELOPMENT PROGRAM - AIR TERMINAL RESTRICTED DEVICE RD & TAXIWAYS CONNECTIONS	SEP	P	-	-	10,000	10,000	10,000	30,000	30,000	60,000
	CTB PROGRAM			**19,650**	**100,721**	**188,418**	**177,286**	**230,000**	**716,075**	**302,751**	**1,018,826**
CA02-339	CTB REDEVELOPMENT PROGRAM PLANNING & DESIGN - PHASE 2	RPP	M	1,267	-	-	-	-	1,267	-	1,267
CA02-440	CTB REDEVELOPMENT PROGRAM - REPLACEMENT OF UTILITIES EAST OF GUARD POST 1	SGR	P	13,082	20,193	41,211	31,419	12,181	118,086	35,734	153,820
CA02-442	CTB REDEVELOPMENT PROGRAM - AIR TERMINAL HIGHWAY EAST OF GUARD POST 1	SEP	P	580	20,859	42,652	59,613	81,507	205,210	239,871	445,082
CA02-443	CTB REDEVELOPMENT PROGRAM - SURFACE AND STRUCTURE PARKING PROGRAM	SEP	P	11,276	36,145	74,564	54,480	30,994	207,459	16,000	223,459
CA02-444	CTB REDEVELOPMENT PROGRAM - HANGARS 2 & 4 SITE REUTILIZATION	SEP	P	11,825	9,464	-	-	-	21,289	-	21,289
CA02-469	CTB REDEVELOPMENT PROGRAM - EAST END SUBSTATION BUILDING, EQUIPMENT AND FEEDERS	SGR	3	15,583	15,583	15,583	15,586	23,435	85,770	-	85,770
CA02-474	CTB REDEVELOPMENT PROGRAM - EAST PARKING GARAGE	SEP	1	13,846	13,846	13,846	13,847	23,468	78,853	-	78,853
CA02-482	CTB REDEVELOPMENT PROGRAM - FINAL PLANNING & DESIGN	RPP	M	11,092	11,092	11,092	9,452	9,451	52,179	-	52,179
	CTB INFRASTRUCTURE PROGRAM			**78,551**	**127,182**	**198,948**	**184,397**	**181,036**	**770,113**	**291,605**	**1,061,719**
	LaGUARDIA AIRPORT Subtotal	**50**		**186,221**	**356,102**	**461,355**	**388,998**	**429,881**	**1,822,558**	**665,889**	**2,488,446**
	CA03, 32-JFK AIRPORT										
CA03-016	EMERGENCY FUEL SHUTOFF SYSTEM	MAND	4	266	-	-	-	-	266	-	266
CA03-TB1	INSTALLATION OF WELCOME CENTERS AT TERMINAL 4 AND 5	SEP	P	200	365	-	-	-	565	-	565
CA03-017	REPLACEMENT OF GEOCOMPOSITE LINERS AT BULK FUEL FARM - PHASE 2	MAND	4	1,045	-	-	-	-	1,045	-	1,045
CA03-018	REPLACEMENT OF HANGAR 19 ROOF	SGR	P	-	-	-	-	942	942	7,446	8,387

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CA03-023	PAVEMENT REHABILITATION OF NORTH BOUNDARY EASTERN, & NORTH HANGAR ROAD	SGR	4	3,055	-	-	-	-	3,055	-	3,055
CA03-025	PAVEMENT REHABILITATION OF PAN-AM AND BERGEN ROAD & FEDERAL CIRCLE RAMPS	SGR	3	516	3,629	3,998	357	-	8,500	-	8,500
CA03-032	REHABILITATION OF TAXIWAYS FA & FB	SGR	4	4,166	1,447	1,628	-	-	7,240	-	7,240
CA03-036	PAVEMENT REHABILITATION OF EAST & WEST HANGAR ROAD	SGR	4	1,655	0	-	-	-	1,655	-	1,655
CA03-061	CCTV EQUIPMENT IN TERMINAL BAGGAGE AREAS	SEC	1	490	1,564	7,306	5,473	-	14,833	-	14,833
CA03-075	TWA FLIGHT CENTER INTERIOR RENOVATION	RPP	4	138	-	-	-	-	138	-	138
CA03-141	INSTALLATION OF BOLLARD AT TENANT TERMINALS	SEC	4	8,784	8,978	114	229	2,686	20,791	-	20,791
CA03-145	UPGRADE OF GUARD POST ANTI-RAM VEHICLE BARRIER CONTROL PANELS	SEC	4	211	-	-	-	-	211	-	211
CA03-168	REHABILITATION OF RUNWAY 4L-22R	SGR	3	27,798	96,663	83,695	95,510	30,000	333,666	30,000	363,666
CA03-207	REHABILITATION OF BULK FUEL FARM ROADWAY	SGR	P	-	-	-	-	481	481	18,323	18,805
CA03-234	PAVEMENT REHABILITATION OF CARGO PLAZA ROAD & CENTER CARGO ROAD	SGR	4	1,107	-	-	-	-	1,107	-	1,107
CA03-243	RUNWAY 13L-31R RUNWAY SAFETY AREA COMPLIANCE	MAND	1	1,915	18,908	4,001	2,134	7,989	34,947	-	34,947
CA03-389	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	8,818	3,290	-	-	-	12,108	-	12,108
CA03-391	AIRPORT CHECKPOINT DIGITAL CCTV SYSTEM IMPROVEMENTS	SEC	4	1,666	3,839	-	-	-	5,505	-	5,505
CA03-505	BIOMETRICS	SEC	4	-	51	2,722	926	-	3,699	-	3,699
CA03-507	UNMANNED GATES	SEC	4	1,625	3,117	5,676	-	-	10,418	-	10,418
CA03-516	REHABILITATION OF RUNWAY 4R-22L	SGR	P	368	811	19,772	15,000	25,500	61,452	64,119	125,570
CA03-518	REPLACEMENT OF RUNWAY 4R APPROACH LIGHTING SYSTEM PIER	SGR	P	-	-	-	-	8,249	8,249	18,630	26,879
CA03-529	REHABILITATION OF TAXIWAY Q AND QG	SGR	1	3,192	3,408	24,684	20,374	3,826	55,484	-	55,484
CA03-542	PAVEMENT REHABILITATION OF LOOP & NORTH SERVICE ROAD	SGR	4	491	-	-	-	-	491	-	491
CA03-543	REHABILITATION OF TAXIWAY W (N OF RUNWAY 13L)	SGR	1	-	-	-	-	260	260	9,791	10,051
CA03-546	TAXIWAY "U" (FROM "B" TO "CB")	SGR	1	-	-	-	-	882	882	22,947	23,829
CA03-554	REHABILITATION OF 148TH STREET AND JFK EXPRESSWAY RAMPS	SGR	4	1,416	-	-	-	-	1,416	-	1,416
CA03-555	REHABILITATION OF VAN WYCK NORTH & SOUTH SERVICE ROAD	SGR	4	3,422	-	-	-	-	3,422	-	3,422
CA03-565	CONSTRUCTION OF CENTRALIZED DE-ICING FACILITY - PHASE 2	RPP	1	350	-	-	-	-	350	-	350
CA03-574	BUILDING 156 (CONTROL TOWER) ROOFING AND HVAC REPLACEMENT	SGR	1	2,380	6,787	6,865	3,105	3,001	22,137	-	22,137
CA03-576	RELOCATION OF RESTRICTED VEHICLE SERVICE ROAD BRIDGE - J2	SEP	4	2,320	-	-	-	-	2,320	-	2,320
CA03-591	REDEVELOPMENT OF TERMINAL 4	RPP	4	71,055	55,281	10,000	24,527	25,000	185,864	35,266	221,130
CA03-594	REHABILITATION OF PAVEMENT CARGO SERVICE ROAD	SGR	4	2,641	170	-	-	-	2,811	-	2,811
CA03-603	BUILDING 254 REHABILITATION	SGR	1	-	-	-	-	333	333	8,146	8,479
CA03-605	ROOF REPLACEMENT PROGRAM BUILDING 14	SGR	1	-	-	-	-	753	753	13,967	14,720

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CA03-607	REPLACEMENT OF FUEL STORAGE TANK SYSTEMS - BULK FUEL FARM	SGR	P	-	-	-	-	-	-	7,524	7,524
CA03-608	REPLACEMENT OF PUMPS & UNDERGROUND PIPING SYSTEMS SATELLITE FUEL FARM & BULK FUEL FARM	SGR	P	-	-	-	-	-	-	114,661	114,661
CA03-612	REHABILITATION OF RUNWAY 13L-31R	SGR	P	-	-	-	-	4,498	4,498	56,547	61,045
CA03-614	REHABILITATION OF TAXIWAY B (TAXIWAY N TO TAXIWAY TB)	SGR	4	10,314	10,623	-	-	-	20,937	-	20,937
CA03-616	NORTH BOUNDARY ROAD REALIGNMENT	MAND	3	5,785	-	-	-	-	5,785	-	5,785
CA03-618	RELOCATION OF RESTRICTED VEHICLE SERVICE ROAD BRIDGE - J8	SEP	4	5,488	3,559	-	-	-	9,047	-	9,047
CA03-619	REHABILITATION OF TAXIWAY Z AND H AND G	SGR	1	-	-	-	-	278	278	16,470	16,748
CA03-620	REHABILITATION OF VAN WYCK SUBSTATION	SGR	P	-	-	-	-	1,378	1,378	35,529	36,907
CA03-621	REPLACEMENT OF 5KV FEEDERS	SGR	3	9,775	13,251	13,734	3,000	-	39,760	-	39,760
CA03-628	REHABILITATION OF TAXIWAYS A & B EAST (TAXIWAY EA TO TAXIWAY J)	SGR	1	-	-	-	-	666	666	59,784	60,450
CA03-632	CENTRAL SUBSTATION UNITS E&F	SGR	P	-	-	-	-	-	-	23,758	23,758
CA03-633	REHABILITATION OF BERGEN SUBSTATION AT JFK	SGR	1	-	-	-	-	318	318	39,489	39,807
CA03-634	REHABILITATION OF FARMER'S SUBSTATION	SGR	P	-	-	-	-	-	-	37,826	37,826
CA03-636	SUPERVISORY CONTROL AND DATA ACQUISITION (SCADA)	SGR	3	-	-	-	-	565	565	7,120	7,685
CA03-638	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	1,624	1,624	3,625	5,249
CA03-639	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	1,742	1,998	-	-	-	3,740	-	3,740
CA03-645	CMWP - SWITCH HOUSE #2 CLIMATE CONTROL AND RELATED WORK	SGR	3	853	-	-	-	-	853	-	853
CA03-646	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SGR	1	1,423	1,456	-	-	-	2,879	-	2,879
CA03-676	REHABILITATION OF 5KV DISTRIBUTION SYSTEM	SGR	P	-	-	-	-	384	384	17,674	18,058
CA03-677	UPGRADE/REHABILITATION FACILITY-WIDE FIRE ALARM SYSTEM	SGR	P	184	325	380	400	2,952	4,241	11,924	16,164
CA03-678	REHABILITATION/REPLACEMENT OF HIGH PRESSURE WATER	SGR	P	-	-	-	-	767	767	87,188	87,955
CA03-679	REHABILITATION/REPLACEMENT OF LOW PRESSURE WATER	SGR	P	-	-	-	-	495	495	50,880	51,375
CA03-760	ENGINEERED MATERIAL ARRESTOR SYSTEM	MAND	3	9,250	10,000	-	-	-	19,250	-	19,250
CA03-758	REALIGNMENT OF NORTH BOUNDARY RD, RVSR AND AOA FENCE WEST OF R/W 13L-31R	MAND	1	-	-	-	-	856	856	19,530	20,386
CA32-048	REDEVELOPMENT OF TERMINAL 5	RPP	4	-	-	-	-	1,039	1,039	6,971	8,009
	JFK AIRPORT Subtotal	**60**		**195,905**	**249,520**	**184,575**	**171,035**	**125,720**	**926,755**	**825,136**	**1,751,892**
	CA04, 44-NEWARK LIBERTY AIRPORT										
CA04-057	CMWP - AIRTRAIN GUIDEWAY COLUMN PROTECTION	SEP	3	214	-	-	-	-	214	-	214
CA04-547	CMWP - REHABILITATION OF FUEL PIT VAULT HATCHES AT C1 RAMP	MAND	P	629	-	-	-	-	629	-	629
CA04-635	CMWP - INSTALLATION OF BUILDING 190 PARKING LOT ACCESS AND UNDERGROUND UTILITY	SEP	3	619	210	-	-	-	829	-	829
CA04-041	SCHOOL SOUNDPROOFING - PHASE 3	MAND	4	1,776	6,179	6,162	3,000	-	17,117	-	17,117
CA04-045	PHYSICAL PROTECTION OF TERMINAL BUILDING GLASS	SEC	P	95	1,541	2,947	8,267	24,600	37,450	18,219	55,668

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CA04-049	CCTV EQUIPMENT IN TERMINAL BAGGAGE AREAS	SEC	P	822	2,508	719	-	-	4,049	-	4,049
CA04-054	INSTALLATION OF CCTV AT SELECT AOA ACCESS DOORS	SEC	P	420	1,646	1,084	-	-	3,150	-	3,150
CA04-294	REPLACEMENT OF TERMINAL B FIRE ALARM SYSTEM	SGR	P	-	-	-	-	97	97	5,657	5,754
CA04-316	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	4,482	1,592	-	-	-	6,074	-	6,074
CA04-319	AIRPORT CHECKPOINT DIGITAL CCTV SYSTEM ENHANCEMENTS	SEC	4	611	-	-	-	-	611	-	611
CA04-397	BIOMETRICS	SEC	3	-	56	1,297	721	-	2,074	-	2,074
CA04-455	REHABILITATION OF RUNWAY 4L-22R	SGR	3	28,401	26,184	10,908	10,000	-	75,493	-	75,493
CA04-468	CENTRAL TERMINAL AREA 27KV ELECTRICAL DISTRIBUTION LOOP CLOSURE	SEP	3	4,990	2,700	-	-	-	7,690	-	7,690
CA04-473	TERMINAL B REHABILITATION ELECTRICAL & MECHANICAL SYSTEM - PHASE 2	SGR	4	887	-	-	-	-	887	-	887
CA04-482	INSTALLATION OF BOLLARD AT TENANT TERMINALS	SEC	4	1,309	2,846	-	-	-	4,155	-	4,155
CA04-498	REPLACEMENT OF HIGH TEMPERATURE HOT WATER GENERATORS AT CHRP	SGR	4	3,630	3,598	3,551	1,000	-	11,779	-	11,779
CA04-507	REHABILITATION OF TAXIWAY P DELAY REDUCTION AND OTHER IMPROVEMENTS	SGR	4	2,257	-	-	-	-	2,257	-	2,257
CA04-512	RELOCATE BREWSTER ROAD & SITEWORK PREPARATION FOR EMAS	MAND	4	3,709	-	-	-	-	3,709	-	3,709
CA04-513	AIRTRAIN BASE GUIDEWAY MID-LIFE OVERHAUL	SGR	4	976	2,154	4,998	5,991	6,387	20,506	-	20,506
CA04-514	AIRTRAIN BASE VEHICLE SUBSYSTEM LIFECYCLE OVERHAUL	SGR	4	4,922	8,606	20,119	19,468	16,000	69,115	-	69,115
CA04-516	INSTALLATION OF RUNWAY 11 EMAS FOR RSA IMPROVEMENTS	MAND	4	2,789	967	-	-	-	3,756	-	3,756
CA04-521	REHABILITATION OF TAXIWAY Y (FROM "RM" TO "S")	SGR	P	-	-	-	-	-	-	7,322	7,322
CA04-524	REHABILITATION OF TAXIWAY Z (FROM RUNWAY EDGE TO "UA")	SGR	P	-	-	-	-	-	-	2,258	2,258
CA04-528	REPLACEMENT OF CHRP NORTH ELECTRICAL SUBSTATION AND CHILLER UPGRADES	SGR	1	547	406	500	500	15,500	17,453	6,377	23,830
CA04-529	REHABILITATION OF CENTRAL TERMINAL AREA BRIDGES	SGR	P	-	-	-	-	1,440	1,440	8,296	9,736
CA04-530	REHABILITATION OF HIGH TEMPERATURE HOT WATER PIPING IN TERMINAL "A", "B" & "C"	SGR	0	-	-	-	-	-	-	-	-
CA04-538	REHABILITATION OF TERMINAL C DEPARTURE AND 1&9 EXIT SOUTH AREA ROADWAY	SGR	4	4,174	4,131	-	-	-	8,305	-	8,305
CA04-539	4TH ELECTRICAL SUBSTATION AT TERMINAL B	SEP	1	500	2,100	4,466	15,622	9,800	32,488	-	32,488
CA04-555	END-OF-LIFE REPLACEMENT OF AIRTRAIN HVAC	SGR	4	1,332	217	-	-	-	1,549	-	1,549
CA04-559	REPLACEMENT OF BRIDGE N20	SGR	P	170	332	349	3,629	5,934	10,414	7,824	18,238
CA04-561	REHABILITATION OF TAXIWAY Z (FROM "P" TO RUNWAY 29 END)	SGR	P	-	-	-	-	-	-	3,503	3,503
CA04-563	REHABILITATION OF TAXIWAY BEYOND THE 7-YEAR PLAN	SGR	P	-	-	-	-	411	411	4,959	5,370
CA04-564	TERMINAL B CURTAIN WALL REPLACEMENT	SGR	P	-	-	-	-	506	506	29,915	30,422
CA04-567	REHABILITATION OF TAXIWAY R (FROM "B" TO "Y")	SGR	P	-	-	-	-	-	-	8,949	8,949
CA04-569	END AROUND TAXIWAYS FOR RUNWAY 4L-22R	SEP	P	515	1,749	1,561	1,500	35,000	40,325	214,125	254,450

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CA04-579	INFRASTRUCTURE RENEWAL - ELECTRICAL DISTRIBUTION	SGR	1	4,500	29,000	26,000	6,284	1,716	67,500	-	67,500
CA04-583	INFRASTRUCTURE RENEWAL - FUEL DISTRIBUTION - PHASE 1	SGR	3	3,685	28,400	34,000	10,000	500	76,585	59,000	135,585
CA04-584	TERMINAL B INFRASTRUCTURE AND UTILITY REPLACEMENT & UPGRADE VIA WORK ORDER	SGR	4	1,346	2,046	2,505	1,500	-	7,398	-	7,398
CA04-589	REHABILITATION OF EXPANSION JOINTS AND STRUCTURAL ELEMENTS OF FACILITY BRIDGES	SGR	1	280	1,891	2,079	1,521	1,352	7,123	-	7,123
CA04-593	TERMINAL B DEVELOPMENT OF OPERATIONAL IMPROVEMENTS FOR SOUTH END OF TERMINAL	RPP	P	600	2,500	3,500	1,100	2,075	9,775	984	10,758
CA04-596	BUILDING 157 INFRASTRUCTURE IMPROVEMENT	SEP	3	700	-	-	-	-	700	-	700
CA04-597	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	-	-	5,251	5,251
CA04-598	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	1,706	1,640	-	-	-	3,346	-	3,346
CA04-604	INFRASTRUCTURE RENEWAL - FUEL FARM BLDG 117 SWITCHGEAR REPLACEMENT	SGR	p	-	-	-	-	456	456	4,936	5,392
CA04-611	TERMINAL B RECONSTRUCTION OF ESCALATORS 15 AND 21	SGR	P	-	-	-	-	250	250	3,750	4,000
CA04-613	INSTALLATION OF AC8 AND AC9 IN TERMINAL B	SGR	P	-	-	-	-	204	204	4,796	4,999
CA04-629	REMAIN OVERNIGHT PARKING	RPP	P	12,500	2,000	-	-	-	14,500	-	14,500
CA04-651	IMPROVEMENT OF MCCLELLAN STREET OVERPASS AND SOUTHERLY ROADWAYS	SEP	P	-	-	-	-	-	-	20,281	20,281
CA04-TBD	REHABILITATION OF FUELING STATION	SEP	P	1,000	1,500	-	-	-	2,500	-	2,500
CA44-017	LOWER LEVEL EXPANSION OF VERTICAL CIRCULATION AT TERMINAL B4	RPP	4	2,132	-	-	-	-	2,132	-	2,132
CA44-018	MID & UPPER LEVELS INTERNATIONAL DEPARTURES	RPP	4	1,440	-	-	-	-	1,440	-	1,440
CA44-026	MID-LEVEL INTERNATIONAL MEETER/GREETER	RPP	4	2,606	-	-	-	-	2,606	-	2,606
CA44-030	OVERALL SITE AND INFRASTRUCTURE PLANNING(1.0)-TERMINAL A REDEV PROGRM -PHASE II PLANNING	RPP	1	250	-	-	-	-	250	-	250
CA44-031	AIRSIDE PLANNING (2.0) - TERMINAL A REDEVELOPMENT PROGRAM - PHASE II PLANNING	RPP	1	250	1,000	-	-	-	1,250	-	1,250
CA44-032	TERMINAL A REDEVELOPMENT PROGRAM OVERALL PLANNING - TERMINAL PLANNING	RPP	1	4,000	3,000	-	-	-	7,000	-	7,000
CA44-033	LANDSIDE PLANNING (4.0) - TERMINAL A REDEVELOPMENT PROGRAM - PHASE II PLANNING	RPP	1	1,500	-	-	-	-	1,500	-	1,500
CA44-037	TERMINAL A REDEVELOPMENT - TERMINAL CONSTRUCTION	RPP	P	-	1,000	3,000	3,000	18,000	25,000	332,001	357,001
CA44-038	TERMINAL A REDEVELOPMENT - AIRSIDE CONSTRUCTION	RPP	P	-	-	2,000	2,000	28,000	32,000	214,001	246,000
CA44-039	TERMINAL A REDEVELOPMENT - LANDSIDE CONSTRUCTION	RPP	P	250	6,500	12,500	13,000	43,003	75,253	352,973	428,226
CA44-040	TERMINAL A REDEVELOPMENT - PARKING CONSTRUCTION	RPP	P	-	-	-	-	19,359	19,359	119,918	139,277
CA44-041	TERMINAL A REDEVELOPMENT - AIRTRAIN CONSTRUCTION	RPP	P	500	2,000	10,000	13,500	12,000	38,000	2,000	40,000
	TERMINAL A REDEVELOPMENT			**6,750**	**13,500**	**27,500**	**31,500**	**120,362**	**199,612**	**1,020,892**	**1,220,504**
	NEWARK LIBERTY AIRPORT Subtotal	**61**		**110,021**	**152,198**	**154,245**	**121,603**	**242,590**	**780,658**	**1,437,293**	**2,217,951**

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	CA05-TETERBORO AIRPORT										
CA05-023	SCHOOL SOUNDPROOFING	MAND	4	1,332	1,701	3,500	1,450	-	7,983	-	7,983
CA05-049	PERIMETER INTRUSION DETECTION SYSTEM	SEC	4	2,816	1,097	-	-	-	3,913	-	3,913
CA05-084	IMPROVE RUNWAY 6-24 RUNWAY SAFEWAY AREA	MAND	4	11,357	-	-	-	-	11,357	-	11,357
CA05-108	REDNECK AVENUE RELOCATION	MAND	4	-	-	203	-	-	203	-	203
CA05-112	RUNWAY 1 RUNWAY SAFEWAY AREA -1000 FT OVERRUN AND PATROL ROAD	MAND	4	3,627	3,114	-	-	-	6,742	-	6,742
CA05-122	CMWP - INSTALLATION OF INTERIOR WILDLIFE FENCE	SEP	3	1,293	-	-	-	-	1,293	-	1,293
CA05-126	REHABILITATION OF TAXIWAY BEYOND THE 7-YEAR PLAN	SGR	P	-	-	-	200	2,000	2,200	8,318	10,518
CA05-127	REHABILITATION OF TAXIWAY G (WEST OF RUNWAY 1-19) AND TAXIWAY E	SGR	P	-	-	-	-	50	50	2,683	2,733
CA05-128	REHABILITATION OF RUNWAY 6-24	SGR	P	-	-	-	-	1,000	1,000	22,208	23,208
CA05-129	REHABILITATION OF TAXIWAY L	SGR	P	-	-	-	-	-	-	6,199	6,199
CA05-130	REPLACEMENT OF TAXIWAY B WITH NEW TAXIWAY V	SEP	1	244	496	2,875	646	-	4,261	-	4,261
CA05-138	AIRFIELD WILDLIFE HAZARD MITIGATION	SEP	P	-	-	-	204	2,498	2,702	8,875	11,577
CA05-141	STORMWATER DRAINAGE SYSTEM IMPROVEMENTS	SEP	1	212	1,000	1,000	1,000	6,600	9,812	9,400	19,212
CA05-142	ARFF BUILDING REPLACEMENT	SEP	P	1,600	200	-	-	400	2,200	28,757	30,957
CA05-148	REHABILITATION OF RUNWAY 1-19	SGR	P	-	-	-	-	-	-	12,676	12,676
CA05-149	CMWP - REPLACEMENT OF DEICING FLUID STORAGE TANKS	SEP	3	1,000	235	-	-	-	1,235	-	1,235
	TETERBORO AIRPORT Subtotal	16		23,481	7,844	7,578	3,500	12,548	54,951	99,116	154,067
	C06-STEWART AIRPORT										
CA06-007	TERMINAL EXPANSION FEDERAL INSPECTION FACILITY AND WELCOME CENTER	SEP	3	625	1,507	3,500	5,500	-	11,132	-	11,132
CA06-012	REHABILITATION OF OPERATIONS CONTROL CENTER	SGR	P	-	-	-	-	574	574	2,545	3,119
CA06-017	REHABILITATION OF TAXIWAY B	SGR	3	2,189	-	-	-	-	2,189	-	2,189
CA06-027	SOUTH RAMP PAVEMENT REPLACEMENT	SGR	1	-	-	-	-	517	517	35,628	36,145
CA06-045	REPLACEMENT OF AIRFIELD SIGNS	SGR	3	520	1,138	722	-	-	2,381	-	2,381
CA06-046	CMWP - POSITIVE AIR PRESSURE FOR PASSENGER LOADING BRIDGES	MAND	4	652	-	-	-	-	652	-	652
CA06-050	DESIGN AND CONSTRUCTION OF THE MID-HUDSON REGIONAL CRIME LABORATORY	SEP	4	2,421	1,442	-	-	-	3,862	-	3,862
CA06-052	REHABILITATION OF TAXIWAY C ALONG SOUTH RAMP	SGR	P	-	-	-	100	202	302	23,859	24,161
CA06-053	REHABILITATION OF TAXIWAY F	SGR	P	-	-	-	-	285	285	4,204	4,489
CA06-054	REHABILITATION OF TAXIWAY A	SGR	P	-	-	-	-	100	100	13,813	13,913
CA06-055	REHABILITATION OF TAXIWAY C	SGR	P	-	-	-	-	999	999	6,006	7,005
CA06-056	REHABILITATION OF TAXIWAY L & N	SGR	P	-	-	-	-	999	999	6,073	7,072
CA06-058	REHABILITATION OF GLYCOL SYSTEM	MAND	1	-	-	-	-	532	532	6,235	6,768
CA06-066	REHABILITATION OF RUNWAYS 9-27 AND 16-34	SGR	4	30,781	36,421	4,548	-	-	71,750	-	71,750
CA06-068	REHABILITATION OF TAXIWAY "A" (FROM "9" TO "C")	SGR	P	-	-	-	-	2,002	2,002	21,966	23,968
CA06-069	REHABILITATION OF TAXIWAY H	SGR	P	-	-	-	-	1,000	1,000	4,437	5,437
CA06-070	MILL AND OVERLAY OF TAXIWAY M	SGR	3	2,068	567	-	-	-	2,635	-	2,635
CA06-079	BACKFLOW PREVENTER DEVICES	MAND	P	895	1,152	1,556	-	-	3,603	-	3,603
CA06-080	ROOF REPLACEMENT OFF HANGAR A	SGR	P	-	-	-	-	332	332	3,201	3,533
CA06-100	RUNWAY INCURSION MITIGATION - PHASE 1B	MAND	4	2,260	3,388	6,268	5,623	-	17,540	-	17,540
CA06-102	REPLACEMENT OF TERMINAL FIRE ALARM SYSTEM	SGR	P	-	-	-	-	350	350	2,643	2,993

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CA06-104	REPLACEMENT OF TERMINAL EMERGENCY GENERATOR	SGR	1	-	-	-	-	500	500	1,999	2,499
CA06-115	IMPROVEMENTS TO AOA PERIMETER FENCE	SEC	1	355	841	2,182	704	-	4,082	-	4,082
CA06-119	IMPROVEMENTS TO GUARD POST	SEC	P	933	261	-	-	-	1,194	-	1,194
	STEWART AIRPORT Subtotal	**24**		**43,699**	**46,717**	**18,776**	**11,927**	**8,392**	**129,511**	**132,609**	**262,121**
	CMWP PROVISION	SGR		5,000	5,000	5,000	5,000	5,000	25,000	50,000	75,000
	Future SGR Requirements	SGR		-	-	-	-	-	-	267,178	267,178
CPR Prov	CPR Provision	SGR	P	-	-	-	-	-	-	825,000	825,000
	AVIATION TOTAL	**211**		**564,328**	**817,381**	**831,530**	**702,063**	**824,131**	**3,739,433**	**4,302,222**	**8,041,655**
DEVELOPMENT											
CW03-020	ELECTRICAL SYSTEM UPGRADE	SGR	3	1,165	-	-	-	-	1,165	-	1,165
	DEVELOPMENT CMWP Subtotal	**1**		**1,165**	**-**	**-**	**-**	**-**	**1,165**	**-**	**1,165**
PORT COMMERCE											
	CP05-PORT NEWARK										
CP05-120	CONSOLIDATE PROJECT TO 50 FT-NJ, PJ, AMBEROSE	MAND	4	65	2,551	-	-	4,500	7,116	24,010	31,126
CP05-124	PORT SECURITY PROGRAM-NJMT-BADGE, ID SYS	SEC	3	251	4,074	7,650	-	-	11,975	-	11,975
CP05-148	EXPRESS RAIL/CORBIN INTERMODAL RAIL SUPPORT - TRACK WORK - PHASE 2A	RPP	4	10,671	6,684	-	-	-	17,355	-	17,355
CP05-156	PORT STREET & BREWSTER ROAD CONNECTOR	SEP	4	5,034	-	-	-	-	5,034	-	5,034
CP05-173	BERTH 14 WHARF RECONSTRUCTION	SGR	4	13,355	10,251	4,187	-	-	27,793	-	27,793
CP05-187	PORT STREET CAPACITY AND CORBIN STREET RAMPS IMPROVEMENT	SEP	3	1,121	8,359	17,770	20,634	34,945	82,830	21,907	104,738
CP05-193	UPGRADE WATER LINES AT NJMT	SGR	M	3,873	3,281	4,234	3,710	3,645	18,744	1,675	20,419
CP05-206	DEMOLITION OF BUILDINGS 135, 150 AND 270	RPP	M	-	-	-	-	800	800	6,786	7,586
CP05-220	BERTHS 30, 32 AND 34 FENDER SYSTEM UPGRADE	SEP	3	3,886	6,727	2,000	-	-	12,613	-	12,613
CP05-246	BERTH 19 REHABILITATION	SGR	1	1,000	5,000	1,000	-	-	7,000	-	7,000
CP05-224	PRIORITY MARINE REPAIRS AT BERTHS 16 TO 24	SGR	4	787	-	-	-	-	787	-	787
CP05-233	BERTH 3 WHARF RECONSTRUCTION	SGR	4	9,409	8,540	10,372	-	-	28,321	-	28,321
CP05-238	SANITARY LIFT STATIONS AT NJMT	SGR	3	2,937	3,800	500	-	-	7,237	-	7,237
CP05-239	WATER SYSTEM AT NJMT- PHASE 2	SGR	P	-	-	-	-	999	999	18,578	19,576
CP05-242	SPRINKLER SYSTEM REPLACEMENT(MULTIPLE BUILDINGS)	SGR	P	-	-	-	-	1,995	1,995	41,003	42,998
CP05-249	TRAFFIC SIGNALS AT NJMT	SGR	3	3,385	3,468	2,948	-	-	9,800	-	9,800
CP05-251	UPGRADE OF ELECTRICAL SYSTEMS IN BLDG 260	SGR	1	907	3,342	491	987	2,006	7,733	3,528	11,261
CP05-254	FACILITY DATA ROOM REHABILITATION	SEC	P	-	-	-	-	-	-	3,022	3,022
CP05-255	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	469	380	-	-	-	850	-	850
	PORT NEWARK Subtotal	**19**		**57,151**	**66,457**	**51,154**	**25,332**	**48,890**	**248,983**	**120,510**	**369,494**
	CP08-MARINE TERMINAL AT ELIZABETH										
CP08-096	MCLESTER STREET ROADWAY WIDENING	SEP	4	5,061	-	-	-	-	5,061	-	5,061
CP08-111	UTILITIES RELOCATION KVK/NB 50' CHANNEL	MAND	4	888	851	1,000	1,000	2,392	6,131	-	6,131
CP08-112	CONSOLIDATED PROJECT TO 50 FEET-NJ-PJ	MAND	4	-	2,551	-	-	4,500	7,052	26,914	33,966
CP08-127	NORTH AVE CORRIDOR IMPROVEMENTS (NACI)	SEP	1	500	1,000	1,500	2,000	3,500	8,500	71,000	79,500
CP08-142	CMWP - RE-ROOFING OF MODULAR WAREHOUSE BLDG 1170	SGR	4	234	-	-	-	-	234	-	234
	MARINE TERMINAL AT ELIZABETH Subtotal	**5**		**6,683**	**4,402**	**2,500**	**3,000**	**10,392**	**26,977**	**97,914**	**124,891**
	CP09-BROOKLYN PIERS										
CP09-085	PORT SECURITY PROGRAM NYMT-BADGE, ID SYS	SEC	3	55	674	2,175	-	-	2,903	-	2,903

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CP09-108	PIERS CRUISE TERMINAL SHORE POWER	SEP	4	6,272	1,415	-	-	-	7,687	-	7,687
CP09-117	CLINTON WHARF DEMOLITION / STABILIZATION	SGR	P	-	-	-	-	-	-	3,357	3,357
CP09-118	REPLACEMENT OF SPRINKLER SYSTEM PIER SHED 11	SGR	P	-	-	-	-	82	82	4,233	4,315
	BROOKLYN PIERS Subtotal	**4**		**6,326**	**2,089**	**2,175**	**-**	**82**	**10,672**	**7,590**	**18,262**
	CP11-HOWLAND HOOK										
CP11-020	ARTHUR KILL CHANNEL DEEPENING 40/41'+2'	MAND	4	6,661	6,379	-	-	-	13,040	-	13,040
CP11-039	CONSOLIDATED PROJECT TO 50 FEET-NY-AMBROSE	MAND	4	-	1,701	-	-	1,000	2,701	13,906	16,607
CP11-044	UTILITIES RELOCATION ARTHUR KILL 50' CHANNEL	MAND	4	888	851	1,500	1,500	7,140	11,879	-	11,879
CP11-055	PORT IVORY INTERMODAL TERMINAL (TRACKS 6-7) - PHASE 1B	RPP	4	3,393	-	-	-	-	3,393	-	3,393
CP11-056	ROADWAY ACCESS IMPROVEMENTS - EAST BOUND RAMP	SEP	P	1,500	2,101	3,000	7,000	19,943	33,544	19,510	53,053
CP11-073	DEMOLITION OF 60 & 80 SERIES BUILDINGS	RPP	M	-	-	-	-	1,500	1,500	5,815	7,315
CP11-083	FACILITY DATA ROOM REHABILITATION	SEC	P	-	-	-	-	-	-	1,523	1,523
	HOWLAND HOOK Subtotal	**7**		**12,443**	**11,031**	**4,500**	**8,500**	**29,584**	**66,057**	**40,754**	**106,811**
	CP16-AUTOMARINE TERMINAL										
CP16-067	PORT JERSEY SHORELINE PROTECTION	SGR	4	7,425	-	-	-	-	7,425	-	7,425
CP16-027	GLOBAL TERMINAL DEVELOPMENT	RPP	4	58,003	14,458	-	-	-	72,461	-	72,461
CP16-033	ACQUISITION OF STRATEGIC PROPERTIES	RPP	4	-	-	-	-	-	-	54,072	54,072
CP16-038	ACCESS IMPROVEMENTS PORT JERSEY	RPP	3	6,282	4,585	1,037	-	-	11,904	-	11,904
CP16-044	SGR DEVELOPMENT	SGR	P	-	-	-	-	177	177	44,244	44,421
CP16-047	RECONSTRUCTION OF BERTH E-1 AND E-2	SGR	3	-	-	-	-	-	-	16,884	16,884
CP16-048	DEMOLITION AND STABILIZATION OF BERTH N2 PLATFORM	SGR	P	-	-	-	-	4,800	4,800	11,401	16,200
CP16-053	INSTALLATION OF BACKFLOW PREVENTION DEVICES AT PORT JERSEY SOUTH	MAND	3	2,654	141	-	-	-	2,794	-	2,794
CP16-059	REPLACE HEATING SYSTEM IN BUILDING 180 IN PORT JERSEY SOUTH	SGR	4	1,600	1,649	-	-	-	3,249	-	3,249
CP16-066	UPGRADE OF PROTECTIVE DEVICES & DISTRIBUTION EQUIPMENT - EAST SUBSTATION	SGR	3	2,633	3,514	2,737	-	-	8,884	-	8,884
	AUTOMARINE TERMINAL Subtotal	**10**		**78,596**	**24,347**	**3,774**	**-**	**4,977**	**111,694**	**126,601**	**238,294**
	CP17-NY/NJ RAIL LLC										
CP17-034	REHABILITATION OF MOORING CELLS AT NY/NJ RAILROAD	SGR	P	516	1,785	2,000	-	-	4,301	-	4,301
CP16-035	EXPRESS RAIL - INTERMODAL CONTAINER TRANSFER FACILITY AT GREENVILLE YARD	RPP	M	16,400	30,800	37,000	28,300	10,500	123,000	13,000	136,000
CP17-005	INTERMODAL INFRASTRUCTURE AT GREENVILLE YARD	RPP	P	4,500	7,500	2,000	-	3,000	17,000	-	17,000
CP17-016	INSTALLATION OF SUPPORT TRACKS	RPP	3	6,000	13,000	19,300	13,500	10,500	62,300	8,900	71,200
CP17-018	RECONFIGURE OFFSITE TRACKS - A-YARD AND TROPICANA	RPP	3	2,250	3,500	7,250	10,000	6,000	29,000	4,450	33,450
CP17-019	CONSTRUCTION OF NEW BARGE	RPP	3	5,000	4,200	1,850	-	-	11,050	-	11,050
CP17-027	RECONSTRUCTION OF TRANSFER BRIDGE#10	RPP	3	10,000	15,000	5,800	-	-	30,800	-	30,800
CP17-029	PURCHASE OF 3 NEW ULTRA-LOW EMISSIONS LOCOMOTIVES	SEP	P	3,200	4,000	-	-	-	7,200	-	7,200
CP17-033	FENDER SYSTEM MODIFICATIONS AT 65TH STREET TERMINAL (CROSS HARBOR)	SEP	3	3,646	2,354	-	-	-	6,000	-	6,000
	GREENVILLE-CROSS HARBOR			**50,996**	**80,354**	**73,200**	**51,800**	**30,000**	**286,351**	**26,350**	**312,701**

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	NY/NJ RAIL LLC Subtotal	**9**		**51,512**	**82,139**	**75,200**	**51,800**	**30,000**	**290,652**	**26,350**	**317,002**
	CP91-RED HOOK TERMINAL										
CP91-056	REPLACEMENT OF SPRINKLER SYSTEM AT PIER SHED 9B	SGR	P	-	-	-	-	415	**415**	**4,396**	**4,812**
CP91-058	PAVEMENT AND UTILITY REHABILITATION OF PIER 9A	SGR	P	-	-	-	-	465	**465**	**7,192**	**7,657**
CP91-059	PAVEMENT AND UTILITY REHABILITATION OF PIER 9B	SGR	P	-	-	-	-	584	**584**	**7,963**	**8,547**
CP91-060	PAVEMENT AND UTILITY REHABILITATION OF PIER 10 - PHASE 1	SGR	P	-	-	-	-	562	**562**	**5,843**	**6,405**
CP91-061	PAVEMENT AND UTILITY REHABILITATION OF PIER 10 - PHASE 2	SGR	P	-	-	-	-	-	**-**	**8,758**	**8,758**
	RED HOOK TERMINAL Subtotal	**5**		**-**	**-**	**-**	**-**	**2,026**	**2,026**	**34,153**	**36,179**
	CMWP PROVISION			5,000	5,000	5,000	5,000	5,000	**25,000**	**50,000**	**75,000**
	Future SGR Requirements			-	-	-	-	-	**-**	**293,159**	**293,159**
	PORT COMMERCE TOTAL	**59**		**217,710**	**195,465**	**144,304**	**93,632**	**130,951**	**782,062**	**797,030**	**1,579,092**
PATH											
	CR02-PATH										
CR02-150	INSTALLATION OF SIGNAL REPLACEMENT PROGRAM	MAND	4	37,923	34,865	66,414	47,217	59,956	**246,375**	**70,263**	**316,638**
CR02-212	TIE RENEWAL PROGRAM	SGR	4	2,078	2,078	2,078	2,078	2,078	**10,388**	**10,097**	**20,484**
CR02-233	WASHINGTON ST SUBSTATION	SGR	1	-	1,401	6,284	22,673	18,028	**48,386**	**103,057**	**151,443**
CR02-258	TURNOUT REPLACEMENT - PHASE 3	SGR	4	2,669	1,273	272	-	-	**4,214**	**-**	**4,214**
CR02-259	CONTINUOUS WELDING FOR THE RAIL PROGRAM	SGR	4	1,700	1,700	1,700	1,700	1,700	**8,499**	**5,532**	**14,030**
CR02-261	CONTACT RAIL PROGRAM	SGR	4	1,082	825	825	825	825	**4,382**	**4,125**	**8,507**
CR02-328	TUNNEL TRACK AND DRAINAGE PROGRAM	SGR	4	2,066	2,066	2,066	2,066	2,063	**10,326**	**10,313**	**20,638**
CR02-336	REPLACEMENT AND UPGRADE OF THE CHRISTOPHER ST SUBSTATION	SGR	4	10,520	10,876	9,985	11,390	7,548	**50,319**	**-**	**50,319**
CR02-345	PURCHASE NEW RAILCARS (PA-5)	SGR	4	4,243	2,977	1,163	32,885	-	**41,268**	**-**	**41,268**
CR02-358	RESTRAINING RAIL PROGRAM	SGR	4	933	871	863	863	863	**4,394**	**4,316**	**8,710**
CR02-378	REPLACEMENT OF SUBSTATION #8 - KEARNY NJ	SGR	2	525	1,924	2,605	4,495	8,113	**17,662**	**26,646**	**44,308**
CR02-382	REHABILITATION OF CONTACT THIRD RAIL HEATERS FROM GRAPE INTERLOCKING TO NEWARK	SGR	4	-	-	-	1,140	859	**1,999**	**1,584**	**3,583**
CR02-384	NEWARK COMPRESSOR	SEP	3	255	802	68	-	-	**1,125**	**-**	**1,125**
CR02-406	SYSTEM UPGRADES FOR PA-5 FLEET	SGR	4	3,064	1,218	286	-	-	**4,568**	**-**	**4,568**
CR02-412	REHABILITATION OF DUCT BANK	SGR	1	-	-	-	-	439	**439**	**63,750**	**64,189**
CR02-418	CMWP - REPLACE 15KV AND 27KV CABLES BETWEEN JUNCTION AND SUBSTATION #2 AND #15	SGR	4	340	340	340	340	151	**1,511**	**267**	**1,778**
CR02-419	FIRE ALARM SYSTEMS REHABILITATION	SGR	1	713	383	383	1,806	6,048	**9,333**	**52,923**	**62,256**
CR02-421	TUNNEL ELECTRICAL LIGHTING SYSTEM	SGR	P	231	317	963	2,134	2,352	**5,997**	**4,505**	**10,503**
CR02-425	REPLACEMENT OF 27 KV CABLES BETWEEN SUBSTATIONS 2 AND 1	SGR	P	-	-	-	-	-	**-**	**3,443**	**3,443**
CR02-434	EMERGENCY DIESEL GENERATORS FOR HARRISON CAR MTC FACILITY & CONSOLIDATED SHOP	SEP	P	139	303	167	106	-	**715**	**-**	**715**
CR02-446	REPLACEMENT OF NEWPORT STATION ESCALATOR	SGR	1	-	-	-	-	-	**-**	**12,358**	**12,358**
CR02-462	REPLACEMENT OF SUBSTATION #7	SGR	3	1,751	5,467	10,782	19,969	4,491	**42,460**	**-**	**42,460**
CR02-463	REPLACEMENT OF SUBSTATION #9	SGR	1	908	1,014	889	8,907	1,001	**12,719**	**44,625**	**57,344**
CR02-477	HARRISON YARD SPECIAL TRACK WORK	SGR	4	1,381	477	282	523	1,583	**4,245**	**7,913**	**12,158**
CR02-486	CMWP - RAIL ROAD AVE AND CAISSON 1 VENT BLDG ROOF REPLACEMENT	SGR	4	359	48	23	-	-	**430**	**-**	**430**

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CR02-497	SUBSTATION #9 - PROPERTY ACQUISITION	SGR	1	1,002	177	-	-	-	1,179	-	1,179
CR02-504	DUCT BANK TUNNELS A/B UNDERRIVER	SEC	P	-	-	-	-	13,955	13,955	147,363	161,318
CR02-505	CMWP - FACADE AND ROOF CHRISTOPHER ST SUBSTATION 1	SGR	1	257	25	-	-	-	282	-	282
CR02-508	CMWP - REPLACEMENT OF ROOF FOR SUBSTATION 5 (BACKUS)	SGR	4	721	61	-	-	-	782	-	782
CR02-509	REPLACEMENT OF ROOF FOR SUBSTATION 15 (CAISSON)	SGR	3	447	68	39	-	-	554	-	554
CR02-513	CMWP - REPLACEMENT OF ROOF - SUBSTATION 2A	SGR	3	107	76	17	-	-	199	-	199
CR02-514	CMWP - REPLACEMENT OF THE ROOF AT EXCHANGE PLACE SUB #4	SGR	3	370	79	35	-	-	485	-	485
CR02-516	REPLACEMENT OF MITER RAILS HACKENSACK RIVER BRIDGE	SGR	4	7,110	1,255	-	-	-	8,365	-	8,365
CR02-517	CONSOLIDATED MTC SHOP - EXHAUST AND VENTILATION SYSTEM MODIFICATIONS	SGR	3	241	363	136	158	-	898	-	898
CR02-518	REPLACEMENT OF SWITCHING STATION NO. 6	SGR	4	1,272	2,556	1,546	324	-	5,698	-	5,698
CR02-522	REPLACEMENT OF ADA ELEVATOR - HOBOKEN	SGR	1	503	1,306	657	435	-	2,901	-	2,901
CR02-527	REPLACEMENT OF IN-GROUND LIFTS HARRISON CAR MTC FACILITY	SGR	1	931	4,383	4,049	1,652	-	11,016	-	11,016
CR02-529	REPLACEMENT OF TRACKSIDE CIRCUIT BREAKERS	SGR	1	595	595	595	595	595	2,975	2,626	5,601
CR02-541	REHABILITATION OF VENTILATION SUBSTATIONS - MORTON	SGR	P	-	-	-	416	935	1,351	9,404	10,755
CR02-548	SUBSTATION REHABILITATION - HARRISON CAR MTC FACILITY	SGR	P	-	-	382	896	4,827	6,105	35,575	41,680
CR02-552	CMWP - TUNNEL MAIN JUNCTION BOX REHABILITATION	SGR	4	117	-	-	-	-	117	-	117
CR02-556	REPLACEMENT OF ELEVATORS - HARRISON CAR MTC FACILITY	SGR	P	-	-	-	-	-	-	3,408	3,408
CR02-557	REPLACEMENT OF 650V DC 2,000KCMIL CABLES IN ALL TUNNELS EXCEPT E AND F	SGR	4	77	340	340	340	340	1,437	1,588	3,024
CR02-560	INSTALLATION OF SUB DRAINS AND RAISE TRACK AT GRAPE CROSSOVER AREA	SEP	P	366	1,028	626	369	-	2,389	-	2,389
CR02-569	SUBSTATION #8 - PROPERTY ACQUISITION	SGR	2	879	474	239	-	-	1,593	-	1,593
CR02-572	REPLACEMENT OF SWITCHING STATION #10 - NEWARK, NJ	SGR	4	1,199	101	-	-	-	1,300	-	1,300
CR02-573	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	957	540	53	165	-	1,715	-	1,715
CR02-574	30TH ST MEZZANINE REHABILITATION	SGR	P	756	732	220	830	-	2,539	-	2,539
CR02-576	REPLACEMENT OF ROOF - MACMILLAN BLOEDEL (MMB) BUILDING	SGR	P	340	4,213	3,458	1,414	-	9,426	-	9,426
CR02-579	CMWP - TRACKSIDE CIRCUIT BREAKERS CONTROL CABLES REPLACEMENT	SGR	4	-	425	425	425	404	1,679	296	1,975
CR02-582	HACKENSACK RIVER BRIDGE EMERGENCY GENERATOR FUEL TANK	SGR	1	1,253	1,297	450	-	-	3,000	-	3,000
CR02-583	TUNNELS - LATENT DAMAGE	SGR	1	5,375	5,857	6,454	7,026	7,789	32,500	16,527	49,027
CR02-584	EQUIPMENT PURCHASE RESILIENCY	SGR	1	2,084	5,030	3,528	7,900	-	18,542	5,000	23,542
CR02-585	EQUIPMENT PURCHASE RECOVERY WORK	SGR	1	2,548	3,431	10,312	14,987	8,149	39,427	15,000	54,427
CR02-TBD1	SUBS 7, 8, 9 AND 14 MID-TERM REPAIRS	SGR	1	425	425	340	340	270	1,800	-	1,800

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CR02-TBD2	HOBOKEN STATION STAIRS FLOOD DOORS	SGR	1	425	1,275	2,125	425	750	5,000	-	5,000
CR02-TBD3	HOBOKEN UNDER PLATFORM FANS	SGR	1	425	2,550	2,975	1,050	-	7,000	-	7,000
CR02-407	CAPACITY ENHANCEMENTS AND STATION MODIFICATIONS OF GROVE ST STATION	SEP	1	2,929	6,862	2,441	2,159	4,250	18,641	195,500	214,141
	GROVE STREET STATION			**2,929**	**6,862**	**2,441**	**2,159**	**4,250**	**18,641**	**195,500**	**214,141**
CR02-458	REPLACEMENT & UPGRADE OF HARRISON STATION	SEP	4	21,254	27,562	39,627	64,087	29,564	182,094	15,000	197,094
CR02-496	HARRISON STATION - PROPERTY ACQUISITION, REMEDIATION & DEMOLITION	SEP	4	6,831	1,025	-	2,000	-	9,856	-	9,856
	HARRISON STATION			**28,085**	**28,587**	**39,627**	**66,087**	**29,564**	**191,950**	**15,000**	**206,950**
CR02-290	PATH EXTENSION TO NEWARK LIBERTY INTERNATIONAL AIRPORT	SEP	P	7,000	10,000	10,000	274,000	274,000	575,000	625,000	1,200,000
	PATH TO EWR			**7,000**	**10,000**	**10,000**	**274,000**	**274,000**	**575,000**	**625,000**	**1,200,000**
	PATH Subtotal	**61**		**141,676**	**155,335**	**199,508**	**543,108**	**463,925**	**1,503,552**	**1,498,002**	**3,001,554**
	CR08-PATH SAFETY										
CR08-022	TUNNEL EMERGENCY VENTILATION FAN BLADE RENOVATION	SGR	4	655	176	52	-	-	883	-	883
CR08-066	EXCHANGE PLACE LANDSIDE SECURITY	SEC	4	437	37	-	-	-	474	-	474
CR08-068	JOURNAL SQUARE TRANSPORATION CENTER PHYSICAL PROTECTION	SEC	3	1,956	212	100	-	-	2,268	-	2,268
CR08-078	CONSTRUCTION OF FLOODGATE AT TUNNEL A,B,E,& F	SEC	3	11,267	10,998	9,111	8,686	8,258	48,320	40,292	88,612
CR08-079	TUNNEL MITIGATION	SEC	P	12,700	1,000	6,468	14,680	15,120	49,968	72,337	122,305
CR08-081	EXCHANGE PLACE WATERSIDE PROTECTION	SEC	3	1,018	110	-	-	-	1,128	-	1,128
CR08-091	CCTV & ACCESS CONTROL UPGRADES AT 33RD,HOB,PAV, & NWK STATION	SEC	4	4,588	136	-	-	-	4,724	-	4,724
CR08-096	INSTALLATION NEW LENEL ACCESS CONTROL &CCTV AT SUBSTATIONS AND ROOMS	SEC	1	1,156	3,515	1,246	-	-	5,917	-	5,917
CR08-100	UPGRADE OF UNIFIED COMMUNICATIONS NETWORK - SONET	SGR	4	628	300	230	194	-	1,352	-	1,352
CR08-101	CCTV AND ACCESS CONTROL AT 9TH, 14TH, 23RD STATION	SEC	3	3,234	3,090	-	-	-	6,324	-	6,324
CR08-103	INSTALLATION OF TRAIN UNDERCARRIAGE SCREENING DEVICES	SEC	P	332	2,757	3,591	-	-	6,680	-	6,680
	PATH SAFETY Subtotal	**11**		**37,971**	**22,331**	**20,797**	**23,560**	**23,378**	**128,037**	**112,629**	**240,666**
	CR21-JOURNAL SQUARE										
CR21-032	BUS TERMINAL ESCALATOR REPLACEMENT	SGR	4	1,299	110	-	-	-	1,409	-	1,409
CR21-075	REPLACEMENT OF DOMESTIC WATER PUMPS AND PIPING SYSTEMS	SGR	3	-	-	-	-	872	872	4,364	5,235
CR21-080	BUS TERMINAL LANES - WEARING COURSE AND WATERPROOF MEMBRANE REPLACEMENT	SGR	2	-	-	-	-	-	-	12,729	12,729
	JOURNAL SQUARE Subtotal	**3**		**1,299**	**110**	**-**	**-**	**872**	**2,280**	**17,092**	**19,373**
	CMWP PROVISION			5,000	5,000	5,000	5,000	5,000	25,000	50,000	75,000
	PATH TOTAL	**75**		**185,946**	**182,776**	**225,306**	**571,668**	**493,174**	**1,658,869**	**1,677,724**	**3,336,593**
TUNNELS, BRIDGES & TERMINALS											
	CB02-HOLLAND TUNNEL										
CB02-040	REHABILITATION OF TUNNEL VENT SYSTEM MECHANICAL/ELECTRICAL	SGR	4	17,877	16,702	24,553	1,682	-	60,813	-	60,813
CB02-123	REPLACEMENT OF PIERS 9/204	SGR	3	5,256	5,032	26,181	31,033	18,324	85,826	342	86,168

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CB02-156	SUPERVISORY CONTROL SYSTEM REPLACEMENT	SGR	3	-	-	-	-	1,282	1,282	31,000	32,282
CB02-162	REPLACEMENT FLOOR DRAINS/PIPING OF 4 VENT BLDGS	SGR	3	1,183	832	-	-	-	2,016	-	2,016
CB02-173	REPLACEMENT/REHABILITATION OF BOILER AND HOT WATER HEATER AT NJSB & NJAB	SGR	3	-	-	-	-	472	472	3,001	3,473
CB02-175	REPLACEMENT OF EXHAUST & BLOWER DUCT ACCESS DOORS IN VENTILATION BUILDINGS	SGR	3	-	-	-	-	222	222	3,145	3,368
CB02-180	STAIR REHABILITATION IN NEW YORK RIVER VENTILATION BUILDINGS	SGR	3	-	-	-	-	550	550	1,304	1,854
CB02-184	ACCESS CONTROL SYSTEM ENHANCEMENT	SEC	3	687	2,361	1,467	-	-	4,515	-	4,515
CB02-191	REHABILITATION POWER DISTRIBUTION SYSTEM AND REPLACE EMERGENCY GENERATORS	SGR	P	-	-	-	-	-	-	4,956	4,956
CB02-193	CONCRETE AND STEEL REHABILITATION	SGR	2	-	-	-	-	445	445	15,271	15,717
CB02-195	REHABILITATION SUPPLY BLOWER PORTS	SGR	3	902	3,116	509	-	-	4,527	-	4,527
CB02-200	WATERSIDE BUFFER ZONE PROTECTION	SEC	1	1,348	599	-	-	-	1,947	-	1,947
CB02-202	TOLL COLLECTION SYSTEM REPLACEMENT	SGR	4	778	844	3,371	5,955	4,017	14,965	1,254	16,219
CB02-203	FACILITY DATA ROOM REHABILITATION	SEP	1	-	-	-	-	500	500	2,500	3,000
CB02-204	INTEROPERABILITY RADIO COMMUNICATIONS	SEC	P	-	303	1,193	1,403	2,349	5,248	-	5,248
CB02-205	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	654	625	-	-	-	1,279	-	1,279
CB02-208	IN-BUILDING RF COVERAGE ENHANCEMENTS	SEC	3	1,200	-	-	-	-	1,200	-	1,200
CB02-211	REHABILITATION OF FRESH AIR STACKS IN VENTILATION BUILDINGS	SGR	P	-	-	-	-	600	600	8,500	9,100
CB02-213	REHABILITATION OF OFFSET DUCTS AND MITIGATION OF WATER INFILTRATION TUNNELS	SGR	P	90	279	1,800	1,800	-	3,970	-	3,970
CB02-218	REHABILITATE/REPLACE HIGH VOLTAGE TRANSFORMERS	SGR	P	-	-	-	-	-	-	6,000	6,000
	HOLLAND TUNNEL Subtotal	**20**		**29,977**	**30,693**	**59,074**	**41,873**	**28,762**	**190,378**	**77,273**	**267,651**
	CB03-LINCOLN TUNNEL										
CB03-093	REPAINTING OF TUNNEL VENTILATION FANS	SGR	4	1,777	999	1,633	-	-	4,409	-	4,409
CB03-153	REPLACE DYER PLAZA AND DYER AVENUE ROADWAY SLABS	SGR	P	528	1,428	9,130	14,823	15,915	41,824	5,500	47,324
CB03-167	EXPLOSION PROOF EQUIPMENT AT MID-RIVER PUMP ROOMS	SGR	4	2,182	-	-	-	-	2,182	-	2,182
CB03-172	REPLACE EXHAUST & BLOWER DUCT ACCESS DOORS	SGR	P	-	-	-	-	-	-	1,868	1,868
CB03-190	REPLACEMENT OF SUMP PUMP AT NY EXPRESS WAY	SGR	P	-	119	714	758	4,091	5,682	3,715	9,396
CB03-211	STRUCTURAL REHABILITATION AND REPAVING OF HELIX	SGR	4	21,633	18,171	1,000	-	-	40,804	-	40,804
CB03-226	REPLACEMENT OF BUS RAMP DECK - PHASE 3	SGR	P	-	-	-	-	-	-	31,103	31,103
CB03-230	REHABILITATION OF DRUM RINGS AND REPAIRS TO UNDERSIDE OF ROADWAYS	SGR	4	857	-	-	-	-	857	-	857
CB03-231	REPLACEMENT OF VENTILATION LOUVERS IN NY VENTILATION BUILDINGS	SGR	4	1,830	1,942	2,699	-	-	6,470	-	6,470
CB03-234	NEW YORK BUS RAMP COMPLEX/PROTECTION	SEC	P	1,201	1,271	3,531	5,745	500	12,248	7,250	19,498
CB03-244	REPAVING OF CENTER TUNNEL	SGR	3	1,241	3,176	-	-	-	4,417	-	4,417
CB03-245	DECK REPLACEMENT OF THE NY EXPRESSWAY BTWN W31ST AND W33RD STREETS	SGR	3	10,739	5,777	-	-	-	16,516	-	16,516

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CB03-248	INSTALLATION AND REHABILITATION OF ROADWAY SAFETY DEVICES	SGR	3	-	-	-	-	326	326	2,423	2,749
CB03-252	ACCESS CONTROL SYSTEM ENHANCEMENT	SEC	3	3,180	1,989	1,674	-	-	6,842	-	6,842
CB03-253	UPGRADE OF LIFE SAFETY MONITORING SYSTEM	SGR	3	-	-	-	-	489	489	5,957	6,446
CB03-258	REPLACEMENT OF NEW JERSEY FEEDERS-SOUTH TUBE	SGR	4	296	0	0	0	-	296	-	296
CB03-261	WATERSIDE BUFFER ZONE PROTECTION	SEC	1	1,324	405	0	0	-	1,729	-	1,729
CB03-262	REPLACEMENT OF TOLL COLLECTION SYSTEM	SGR	4	1,209	1,322	5,288	7,756	6,524	22,098	2,933	25,031
CB03-263	TUNNELS BRIDGES & TERMINALS INTEROPERABILITY RADIO COMMUNICATIONS	SEC	P	1,193	1,403	2,349	1,389	-	6,334	-	6,334
CB03-264	REPLACEMENT OF HVAC SYSTEM AT ADMIN BUILDING - PHASE 2	SGR	3	-	-	-	-	427	427	4,493	4,920
CB03-265	FACILITY DATA ROOM REHABILITATION	SEP	P	-	-	-	-	-	-	3,000	3,000
CB03-266	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	665	595	-	-	-	1,260	-	1,260
CB03-273	REPLACEMENT OF EXISTING ITS SYSTEM	SGR	1	-	-	-	-	3,000	3,000	27,500	30,500
CB03-276	REPLACEMENT OF SCADA SYSTEM	SGR	P	-	-	-	-	-	-	13,100	13,100
CB03-277	REPLACEMENT OF MECHANICAL & ELECTRICAL VENT EQUIP	SGR	P	-	-	-	-	1,199	1,199	92,871	94,070
CB03-280	REPLACE CURB PLATES IN THE NORTH AND SOUTH TUBES	SGR	P	825	1,471	1,031	-	-	3,327	-	3,327
CB03-213	REPLACEMENT OF HELIX - PLANNING	SGR	1	1,209	7,137	7,494	10,229	10,229	36,297	21,480	57,777
CB03-254	REPLACEMENT OF HELIX CONSTRUCTION	SGR	P	-	-	-	-	-	-	1,383,490	1,383,490
	LT HELIX			**1,209**	**7,137**	**7,494**	**10,229**	**10,229**	**36,297**	**1,404,970**	**1,441,267**
CB03-267	IMPROVEMENTS TO PULASKI SKYWAY	SGR	4	181,001	252,206	201,037	169,148	112,659	916,053	150,955	1,067,008
CB03-268	REPLACEMENT OF ROUTE 7 WITTPENN BRIDGE	SGR	4	60,255	35,785	108,454	140,312	82,264	427,068	104,004	531,071
CB03-269	EXTENSION OF ROUTE 1 & 9T (NEW ROAD)	SEP	4	4,669	16,854	15,788	36,885	37,742	111,939	17,356	129,295
	LINCOLN TUNNEL ACCESS			**245,925**	**304,845**	**325,279**	**346,345**	**232,665**	**1,455,060**	**272,315**	**1,727,375**
	LINCOLN TUNNEL Subtotal	**31**		**297,814**	**352,049**	**361,821**	**387,045**	**275,365**	**1,674,093**	**1,878,997**	**3,553,090**
	CB04-GEORGE WASHINGTON BRIDGE										
CB04-132	REHABILITATION OF STRUCTURAL STEEL, LEAD PAINT REMOVAL & RECOATING UNDERSIDE	SGR	2	2,100	5,100	2,000	2,000	2,000	13,200	63,000	76,200
CB04-228	REHABILITATION OF MAIN SPAN FIRE STANDPIPE SYSTEM	SGR	4	5,492	-	-	-	-	5,492	-	5,492
CB04-241	REHABILITATION OF NEW JERSEY/NEW YORK HIGH TENSION ELECT SWITCHGEAR	SGR	3	-	-	-	-	1,165	1,165	42,134	43,299
CB04-258	FORT LEE STREET IMPROVEMENTS	SGR	4	1,972	-	-	-	-	1,972	-	1,972
CB04-260	TOLL COLLECTION SYSTEM REPLACEMENT	SGR	4	2,682	2,926	11,502	16,829	14,565	48,504	6,553	55,057
CB04-261	REHABILITATION OF UPPER LEVEL SPAN OVER NJ ANCHORAGE AND HUDSON TERRACE	SGR	3	1,373	7,997	14,947	3,775	-	28,092	-	28,092
CB04-262	REPLACEMENT OF IMPACT ATTENUATORS GUIDE RAILS & BARRIERS	SGR	4	3,119	-	-	-	-	3,119	-	3,119
CB04-263	TRANS MANHATTAN EXPRESSWAY REHABILITATION	SGR	P	-	-	-	-	-	-	37,737	37,737
CB04-270	REHABILITATION OF MAIN SPAN UPPER LEVEL STRUCTURAL STEEL	SGR	4	25,988	17,781	-	-	-	43,769	-	43,769
CB04-276	REHABILITATION OF 178TH &179TH STREET RAMPS, BUS RAMPS, AND BUS TURNAROUND	SGR	3	2,808	5,907	30,839	28,824	27,645	96,023	96,380	192,403

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CB04-285	REHABILITATION OF THE PALISADES INTERSTATE PARKWAY HELIX	SGR	3	5,542	14,720	30,566	12,282	-	63,109	-	63,109
CB04-286	NEW YORK RAMPS HR1 & HR2 - STRUCTURAL STEEL REHABILITATION, LEAD ABATEMENT & PAINT	SGR	3	-	-	-	-	1,063	1,063	6,976	8,039
CB04-287	PRIORITY STEEL AND CONCRETE REHABILITATION	SGR	4	696	-	-	-	-	696	-	696
CB04-288	GWB - TME REHABILITATION OF MEDIAN BARRIERS AND TRAFFIC SAFETY IMPROVEMENTS	SGR	P	605	5,427	6,831	5,956	2,880	21,699	-	21,699
CB04-295	PROTOTYPE OF FIRE MITIGATE FIRE/DYNAMIC LOAD - PHASE 2	SEC	P	-	-	-	250	500	750	10,250	11,000
CB04-229	REPLACEMENT OF LIGHTING ALONG UPPER LEVEL NY RAMP TO EXPRESSWAY RAMPS	SGR	P	-	-	-	-	-	-	1,804	1,804
CB04-300	PAVEMENT REPLACEMENT OF LOWER LEVEL EAST BOUND MAIN SPAN, LLEB APPROACH & RAMPS	SGR	P	62	423	3,230	4,146	4,881	12,742	-	12,742
CB04-302	REHABILITATION OF HUDSON RAMPS PAVEMENTS	SGR	P	3,099	1,783	1,783	-	-	6,665	-	6,665
CB04-306	CMWP - REPLACEMENT OF PASSENGER ELEVATOR AT GWB NJAB	MAND	4	430	-	-	-	-	430	-	430
CB04-312	UPGRADE/REPLACE ITS SIGNS AND FIELD DEVICES	SGR	M	5,550	1,287	1,848	10,450	12,310	31,444	38,985	70,429
CB04-316	REPLACEMENT OF DRAINAGE SYSTEMS TROUGHS AT UPPER LEVEL NY RAMP TO EXPRESSWAY ROADWAYS	SGR	4	529	-	-	-	-	529	-	529
CB04-317	REHABILITATION OF CENTER AVE BRIDGE AND LEMOINE AVE BRIDGE	SGR	1	2,033	2,119	19,491	18,385	6,943	48,971	-	48,971
CB04-318	ACCESS CONTROL SYSTEM ENHANCEMENT	SEC	3	5,690	2,629	3,814	-	-	12,133	-	12,133
CB04-323	REPLACEMENT OF NJ BUILDINGS & MIS STRUCTURES	SGR	4	619	-	-	-	-	619	-	619
CB04-325	UPGRADE EMERGENCY POWER SYSTEM	SGR	1	-	-	-	-	131	131	3,101	3,231
CB04-330	REHABILITATION OF RAMPS COMPLEX TO HENRY HUDSON PARKWAY - PHASE 2	SGR	P	-	-	-	-	800	800	13,000	13,800
CB04-332	REHABILITATION OF ROADWAY DECK OVER EMERGENCY GARAGE AT ADMIN BUILDING	SGR	1	-	-	-	-	402	402	22,271	22,673
CB04-333	FACILITY STEEL AND CONCRETE REHABILITATION	SGR	4	2,889	3,492	-	-	-	6,381	-	6,381
CB04-334	REHABILITATION OF RAMPS COMPLEX TO HENRY HUDSON PARKWAY	SGR	P	-	-	-	-	167	167	16,777	16,944
CB04-335	REHABILITATION OF TRANS MANHATTAN EXPRESSWAY ELECTRICAL SYS & LIGHTING	SGR	P	-	-	-	-	252	252	19,322	19,575
CB04-336	REHABILITATION OF TME OVERPASSES - PHASE 1	SGR	P	246	493	1,041	1,156	1,818	4,754	71,694	76,448
CB04-338	NEW JERSEY LIGHTING FEEDERS REPLACEMENT	SGR	1	-	-	-	-	320	320	9,036	9,356
CB04-350	COMMERCIAL VEHICLE SECURITY AND SAFETY INSPECTION SITE FOR PAPD	SEC	P	-	-	-	-	-	-	12,097	12,097
CB04-351	ACCESS RAMP BARRIER UPGRADES	SEC	P	807	2,087	2,132	1,105	-	6,131	-	6,131
CB04-356	FACILITY DATA ROOM REHABILITATION	SEP	1	-	-	-	-	-	-	3,831	3,831
CB04-357	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	732	614	-	-	-	1,345	-	1,345
CB04-361	REHABILITATION OF FACILITY WIDE PRIORITY	SGR	1	433	598	4,106	4,782	-	9,919	-	9,919
CB04-362	GWB REPAVE EASTBOUND UPPER LEVEL	SGR	P	500	6,800	10,200	-	-	17,500	-	17,500
CB04-363	REPLACEMENT OF ELECTRICAL DISTRIBUTION ROOMS IN TOWERS	SGR	P	-	-	-	-	-	-	9,000	9,000
CB04-364	REPLACEMENT OF HALON FIRE SUPPRESSANT SYSTEM IN ADMIN BUILDING COMPUTER ROOM	SGR	P	-	-	-	-	150	150	3,450	3,600

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CB04-367	REPLACE SCADA SYSTEM	SGR	P	-	-	-	-	150	150	8,600	8,750
CB04-368	REHABILITATION OF RETAINING WALLS AT NY & NJ APPROACHES	SGR	P	-	-	-	-	-	-	8,750	8,750
CB04-375	MAIN CABLE PROTECTION	SEC	P	575	1,188	2,586	-	-	4,350	-	4,350
CB04-252	NJ ANCHORAGE IMPROVEMENTS	SGR	3	1,790	337	-	-	-	2,127	-	2,127
CB04-272	REHABILITATION OF NY/NJ ANCHOR MAIN CABLE STRANDS	SGR	3	6,673	6,914	6,425	9,019	-	29,031	-	29,031
CB04-319	REHABILITATION OF SUSPENDER ROPE REPLACEMENT & MAIN CABLE	SGR	1	5,012	5,647	7,376	60,401	98,014	176,450	724,207	900,657
CB04-343	REHABILITATION OF NJ ANCHORAGE SUMP PUMP ROOM	SGR	1	295	1,040	-	-	-	1,335	-	1,335
	GWB SUSPENDER ROPES			**13,770**	**13,938**	**13,801**	**69,420**	**98,014**	**208,943**	**724,207**	**933,150**
	GEORGE WASHINGTON BRIDGE Subtotal	**47**		**90,339**	**97,308**	**160,717**	**179,360**	**176,156**	**703,880**	**1,228,955**	**1,932,835**
	CB06-BAYONNE BRIDGE										
CB06-100	CCTV CAMERA SYSTEM REPLACEMENT	SEC	4	296	243	828	-	-	1,368	-	1,368
CB06-113	TOLL COLLECTION SYSTEM REPLACEMENT	SGR	4	11,224	14,002	1,694	2,479	2,019	31,418	1,137	32,555
CB06-087	NAVIGATIONAL CLEARANCE PROGRAM	SEP	4	233,827	316,153	305,844	216,081	70,915	1,142,820	-	1,142,820
	BAYONNE BRIDGE			**233,827**	**316,153**	**305,844**	**216,081**	**70,915**	**1,142,820**	**-**	**1,142,820**
	BAYONNE BRIDGE Subtotal	**3**		**245,348**	**330,398**	**308,366**	**218,560**	**72,934**	**1,175,606**	**1,137**	**1,176,743**
	CB07-GOETHALS BRIDGE										
CB07-134	REPLACEMENT OF CCTV CAMERA SYSTEM	SEC	4	1,463	1,467	954	-	-	3,884	-	3,884
CB07-139	STRUCTURAL STEEL REPAIR	SGR	4	751	-	-	-	-	751	-	751
CB07-143	REPLACEMENT OF BUILDINGS AND TOLL BOOTHS HEATING SYSTEMS	SGR	P	-	-	-	-	439	439	5,321	5,760
CB07-149	REPLACEMENT OF TOLL COLLECTION SYSTEM	SGR	4	778	847	3,358	4,917	3,952	13,852	2,223	16,075
CB07-152	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	517	435	-	-	-	952	-	952
CB07-154	REHABILITATION OF SCUPPERS	SGR	P	-	-	-	-	268	268	2,231	2,498
CB07-103	GOETHALS BRIDGE MODERNIZATION	SGR	3	50,617	40,650	65,113	68,935	143,332	368,647	-	368,647
CB07-145	INTERCHANGE RAMPS PROJECT	SEP	1	2,153	2,671	24,086	33,903	31,975	94,788	11,117	105,905
	GOETHALS BRIDGE			**52,770**	**43,321**	**89,199**	**102,838**	**175,307**	**463,435**	**11,117**	**474,552**
	GOETHALS BRIDGE Subtotal	**8**		**56,279**	**46,070**	**93,511**	**107,755**	**179,965**	**483,580**	**20,891**	**504,471**
	CB08-OUTERBRIDGE CROSSING										
CB08-075	REHABILITATION OF FIRE STANDPIPE	SGR	3	-	-	-	-	-	-	9,445	9,445
CB08-082	REHABILITATION OF DECK	SGR	P	-	-	-	-	-	-	3,215	3,215
CB08-083	TOLL CANOPY - REPLACEMENTS OF HVAC UNITS AND ROOF	SGR	4	1,712	808	-	-	-	2,520	-	2,520
CB08-097	REPLACEMENT OF CCTV CAMERA SYSTEM	SEC	4	1,062	1,052	920	-	-	3,034	-	3,034
CB08-099	REPAIR OF STRUCTURAL STEEL	SGR	4	2,132	-	-	-	-	2,132	-	2,132
CB08-107	REHABILITATION OF PAVEMENT	SGR	4	5,468	3,744	3,675	-	-	12,887	-	12,887
CB08-109	MAIN SPAN PIER PROTECTION	SEC	1	700	3,845	6,000	8,479	10,000	29,023	-	29,023
CB08-110	REPLACEMENT OF TOLL COLLECTION SYSTEM	SGR	4	648	706	2,816	4,109	3,211	11,490	2,113	13,603
CB08-115	CROSS BRACING	SEC	P	865	882	2,278	4,251	1,119	9,394	-	9,394
	OUTERBRIDGE CROSSING Subtotal	**9**		**12,587**	**11,036**	**15,690**	**16,838**	**14,329**	**70,480**	**14,774**	**85,253**
	CB48-GWB BUS STATION										
CB48-048	REPLACEMENT OF CEILING OVER TME	SGR	P	-	-	-	-	-	-	13,100	13,100
CB48-056	GWBBS REDEVELOPMENT	RPP	3	51,228	5,790	5,100	-	-	62,118	-	62,118

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CB48-061	INSTALLATION OF BOLLARDS	SEC	P	337	449	723	1,409	2,021	4,938	-	4,938
	GWB BUS STATION Subtotal	**3**		**51,565**	**6,239**	**5,823**	**1,409**	**2,021**	**67,056**	**13,100**	**80,156**
	CT06-PORT AUTHORITY BUS TERMINAL										
CT06-120	REPLACEMENT OF BUILDING AUTOMATED MONITORING & CONTROL SYSTEM	SGR	4	6,712	-	-	-	-	6,712	-	6,712
CT06-199	REPLACEMENT OF FIRE PUMPS	SGR	4	2,029	2,040	239	-	-	4,308	-	4,308
CT06-200	REPLACEMENT OF FIRE ALARM SYSTEM	MAND	3	2,356	3,105	4,809	5,379	438	16,087	-	16,087
CT06-202	REPLACEMENT OF PRIMARY ELECTRIC SERVICE	SGR	4	4,410	4,657	4,398	-	-	13,464	-	13,464
CT06-230	REPLACEMENT OF SOUTH WING HVAC UNITS AND ASSOCIATED ELECTRICAL DISTRIBUTION SYSTEM	SGR	4	7,595	7,306	8,682	9,736	-	33,320	-	33,320
CT06-239	INTERNAL STRUCTURAL ENHACEMENTS	SEC	P	1,067	1,120	3,250	11,137	15,831	32,406	24,469	56,875
CT06-241	UPGRADE OF CCTV SURVEILLANCE EQUIPMENT	SEC	P	1,602	3,325	2,871	-	-	7,798	-	7,798
CT06-246	ENHANCEMENT OF ACCESS CONTROL SYSTEM	SEC	3	1,700	1,323	995	-	-	4,018	-	4,018
CT06-247	CMWP - REHABILITATION OF THE STEAM DISTRIBUTION SYSTEM	SGR	4	133	-	-	-	-	133	-	133
CT06-259	PABT NORTH WING SBL WEARING COURSE REPLACEMENT	SGR	P	184	395	1,496	2,000	400	4,475	-	4,475
CT06-261	REPLACEMENT OF VENTILATION BUILDING EXHAUST FANS AND NW PENTHOUSE FANS	SGR	P	-	-	-	-	300	300	15,950	16,250
CT06-266	800MHZ SIMULCAST TRUNKED RADIO SYSTEM UPGRADE	SEC	3	874	748	-	-	-	1,622	-	1,622
CT06-269	REHABILITATION OF EGRESS DOORS	SGR	P	-	-	-	-	-	-	3,800	3,800
CT06-271	REHABILITATION/REPLACEMENT OF 33 FRESH AIR SUPPLY FANS LOCATED IN THE NW & SW	SGR	P	-	-	-	-	-	-	4,500	4,500
	PORT AUTHORITY BUS TERMINAL Subtotal	**14**		**28,662**	**24,019**	**26,740**	**28,253**	**16,969**	**124,642**	**48,719**	**173,361**
	CMWP PROVISION			5,000	5,000	5,000	5,000	5,000	25,000	50,000	75,000
	Future SGR Requirements			-	-	-	-	43,514	43,514	77,946	121,460
	TBT TOTAL	**135**		**817,569**	**902,811**	**1,036,742**	**986,092**	**815,014**	**4,558,229**	**3,411,792**	**7,970,020**
WORLD TRADE CENTER											
CW31-555	1 WORLD TRADE CENTER CONSTRUCTION	RPP	M4	506,297	-	-	-	-	506,297	-	506,297
	ONE WTC Subtotal	**1**		**506,297**	**-**	**-**	**-**	**-**	**506,297**	**-**	**506,297**
CR12-001	WTC TRANSPORTATION HUB	MAND	M4	552,129	272,208	114,399	-	-	938,736	-	938,736
	TRANSPORTATION HUB Subtotal	**1**		**552,129**	**272,208**	**114,399**	**-**	**-**	**938,736**	**-**	**938,736**
CW11-026	WTC SITE COMMON INFRASTRUCTURE	SEC	M3	577	519	101	-	-	1,197	-	1,197
CW11-024	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	33,359	37,125	36,708	32,462	19,801	159,455	-	159,455
CW11-001	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	3,450	8,501	-	-	-	11,951	-	11,951
CW11-005	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	13,868	9,020	5,032	-	-	27,920	-	27,920
CW11-006	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	73,396	65,232	24,919	13,108	-	176,655	-	176,655
CW11-007	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	(174,775)	-	-	-	-	(174,775)	-	(174,775)
CW11-010	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	111,104	159,795	109,067	-	-	379,966	-	379,966
CW11-015	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	91,175	164,590	-	-	-	255,765	-	255,765
CW11-016	WTC SITE COMMON INFRASTRUCTURE	MAND	M4	-	-	52,000	-	-	52,000	-	52,000
CW11-018	WTC SITE MONITORING AND COORDINATION	MAND	M4	-	40,490	5,867	5,147	-	51,504	-	51,504
CW11-019	WTC SITE SECURITY OPERATIONS	MAND	M4	34,229	43,627	27,353	24,899	-	130,108	-	130,108
CW11-020	WTC MEMORIAL AND MUSEUM PROJECT	MAND	M4	-	130,902	-	-	-	130,902	-	130,902
CW32-002	TOWER 2 STRUCTURE TO GRADE	MAND	M4	5,000	-	-	-	-	5,000	-	5,000

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CW34-002	DESIGN, CONSTRUCT AND BUILD OUT PA CORP. OFFICES (4 WTC)	MAND	3	66,211	26,345	-	-	-	92,556	-	92,556
CW11-023	CORTLANDT STREET STATION	SEP	M4	61,702	62,221	26,007	10,499	9,501	169,930	-	169,930
CW11-008	WTC MEMORIAL AND PA FUNDED	SEP	M4	100,449	(244,500)	-	-	-	(144,051)	-	(144,051)
	SITE COMMON INFRASTRUCTURE incl MEMORIAL Subtotal	**16**		**419,745**	**503,867**	**287,054**	**86,115**	**29,302**	**1,326,083**	**-**	**1,326,083**
CW11-027	CAMPUS SECURITY PLAN	SEC	3	28,817	35,567	33,393	-	-	97,778	-	97,778
CW11-025	WTC SYSTEMS INTEGRATION	SEP	2	15,000	15,000	3,954	-	-	33,954	-	33,954
CW11-017	WTC COMMERCIAL CAR PARKING	MAND	M4	30,000	38,598	18,401	5,274	-	92,273	-	92,273
CW11-022	WTC PROPERTY MANAGEMENT FACILITY	MAND	M4	80,000	15,363	-	-	-	95,363	-	95,363
CW30-001	WTC RETAIL REDEVELOPMENT - PHASE 1	RPP	M4	400,000	393,488	149,916	49,817	22,328	1,015,549	-	1,015,549
CW31-001	1 WORLD TRADE CENTER - MARKETING, LEASING AND BASE BUILDING IMPROVEMENTS	RPP	M4	160,000	111,434	75,924	28,298	5,078	380,734	11,945	392,679
	WORLD TRADE CENTER REDEVELOPMENT Subtotal	**6**		**713,817**	**609,450**	**281,588**	**83,389**	**27,406**	**1,715,651**	**11,945**	**1,727,596**
CW11-003	VEHICULAR SECURITY CENTER & TOUR BUS PARKING (VSC1)	SEC	M4	138,527	-	-	-	-	138,527	-	138,527
CW11-009	EAST BATHTUB VEHICULAR SECURITY CENTER (VSC2)	MAND	M4	54,398	40,101	-	-	-	94,499	-	94,499
CW11-021	WEST BATHTUB VEHICULAR ACCESS (VSC3)	MAND	M4	13,285	96,447	29,632	26,779	14,275	180,418	-	180,418
	VEHICLE SECURITY CENTER Subtotal	**3**		**206,210**	**136,548**	**29,632**	**26,779**	**14,275**	**413,444**	**-**	**413,444**
	WTC	**27**		**2,398,198**	**1,522,073**	**712,673**	**196,283**	**70,983**	**4,900,211**	**11,945**	**4,912,156**
REGIONAL CAPITAL PROGRAMS											
CF81-002	NY TRANSPORTATION, ECONOMIC DEVELOPMENT & INFRASTRUCTURE RENEWAL PROGRAM	SRP	1	3,500	1,500	-	-	-	5,000	-	5,000
CF84-008	NJ HUDSON RARITAN ESTUARY PROGRAM	SRP	1	2,892	1,508	2,100	2,588	1,000	10,088	25,000	35,088
CF85-007	NY HUDSON RARITAN ESTUARY PROGRAM	SRP	1	1,300	1,000	1,371	1,000	1,000	5,671	25,000	30,671
CF99-001	REGIONAL TRANSPORTATION AND ECONOMIC DEVELOPMENT PROJECTS	SRP	1	3,375	2,000	3,924	-	-	9,299	-	9,299
CF99-003	REGIONAL DEVELOPMENT FACILITY	SRP	1	2,579	842	-	-	-	3,421	-	3,421
CF99-017	ENVIRONMENT LAND ACQUISITION PROGRAM - NY	SRP	1	2,000	3,000	-	-	-	5,000	-	5,000
CF99-022	NEW JERSEY PROJECT DEVELOPMENT FUNDS	SRP	1	1,946	2,146	-	-	-	4,092	-	4,092
CF99-227	NEW YORK REGIONAL TRANSPORTATION PROGRAMS	SRP	1	-	-	-	-	-	-	250,000	250,000
CF93-001	NY REGIONAL INFRASTRUCTURE RENEWAL PROGRAM	SRP	1	15,000	15,000	15,000	15,000	15,000	75,000	225,000	300,000
CF94-001	NJ REGIONAL INFRASTRUCTURE RENEWAL PROGRAM	SRP	1	15,000	15,000	15,000	15,000	15,000	75,000	225,000	300,000
	REGIONAL CAPITAL PROGRAMS	**11**		**47,592**	**41,996**	**37,395**	**33,588**	**32,000**	**192,571**	**750,000**	**942,571**
FUTURE REQUIREMENTS											
	TECHNOLOGY PROVISION		P	2,000	2,000	2,000	2,000	2,000	10,000	10,000	20,000
	FUTURE SGR FUNDING REQUIREMENTS		P	-	-	-	-	-	-	897,439	897,439
	FUTURE REQUIREMENTS			**2,000**	**2,000**	**2,000**	**2,000**	**2,000**	**10,000**	**907,439**	**917,439**
	TOTAL CAPITAL PLAN	**523**		**4,234,508**	**3,664,503**	**2,989,950**	**2,585,326**	**2,368,253**	**15,842,540**	**11,720,651**	**27,563,191**