

# ***Staten Island-New Jersey Bridges Construction Program***

***Goethals Bridge Replacement Program  
Bayonne Bridge Navigational Clearance Program  
Outerbridge Crossing Pavement Replacement***

Committee on Capital Planning, Execution and Asset Management

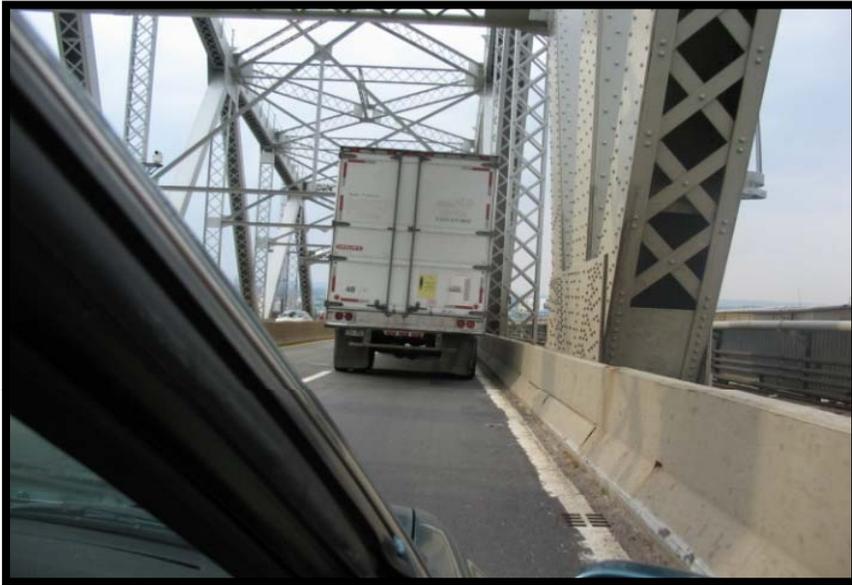
April 24, 2013

# *Staten Island-New Jersey Bridges Construction Program*

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- Refocus on core mission
- Historic investment in facilities linking Staten Island, New York and New Jersey
- First time in 80 years agency will construct a new bridge-to replace the Goethals
  - Innovative Public-Private Partnership
- First time a bridge's roadbed will be raised and built during ongoing operations with Bayonne "Raise the Roadway" Program
- Combined program will create approximately 5,000 construction jobs, more than \$600 million in wages and more than \$2.5 billion in regional economic activity

# Goethals Bridge Replacement Program



Existing

- Four 10 ft Lanes
- Functionally Obsolete
- No Shoulders
- No Walkway



Proposed

- ✓ Six 12 ft Lanes with shoulders
- ✓ State-of-the-art Cable Stayed Design
- ✓ Up-to-date safety and security features
- ✓ Pedestrian/Bicycle Access
- ✓ Accommodation for future transit corridor
- ✓ Innovative Bridge Technology

# *Goethals Bridge Replacement Program*



# *Goethals Bridge Replacement Program*



## ***What the Public-Private Partnership Achieves***

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- ✓ Port Authority maintains control of asset and revenue stream
- ✓ Access to private sector expertise
- ✓ Access to low cost subordinated financing via USDOT TIFIA loan program and tax exempt Private Activity Bonds
- ✓ Minimizes impact to Port Authority Consolidated Bond capacity
- ✓ Cost predictability for PA over contract life
- ✓ Appropriate Construction/Performance Risk Allocation
- ✓ Developer's significant equity investment incentivizes performance
- ✓ Port Authority continues to operate the bridge

## ***Goethals Bridge Replacement Program Project Cost / Schedule***

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- Total PA Project Cost is \$363 million, out of a total \$1.5 billion public-private partnership to replace the existing structure
- Award of Design-Bid-Finance-Maintain (DBFM) Contract to NYNJ Link Partnership
  - Equity Member: Macquarie Infrastructure and Real Assets, Inc/Kiewit Development
  - Lead Contractor: Kiewit-Weeks-Massman, a Joint Venture
  - Lead Engineer: Parsons Transportation Group of New York, Inc.
  - Lead Maintenance: Macquarie Infrastructure and Real Assets
- Construction Start – December 2013
- Service Commencement– December 2016
- Substantial Completion- December 2017

## ***Goethals Bridge Replacement Program***

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- This project is anticipated to generate approximately 5,600 total job years, including 2,258 construction job years
- \$220 Million in wages
- \$870 Million in economic activity

# Bayonne Bridge Navigational Clearance Program



Existing

- 151 ft Air Draft
- 6 ft Walkway
- Four 10 ft Lanes, No Shoulders
- No Median Divider



Proposed

- ✓ 215 ft Air Draft
- ✓ 12 ft Walkway/Bikeway
- ✓ Four 12 ft Lanes, with shoulders
- ✓ Median, Safety Barrier



# *Bayonne Bridge Navigational Clearance Program*

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- This project is anticipated to generate approximately 6,300 total job years, including 2,500 construction job years
- \$380 Million in wages
- \$1.6 Billion in economic activity

# *Bayonne Bridge Navigational Clearance Program*

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- Total Project Cost: \$1.29 B
- Award Construction Contract: \$ 743.3 million to Skanska Koch Inc/Kiewit Construction Co. (Joint Venture)
- Construction Start – Q2 2013
- Removal of Navigational Obstruction – Q4 2015
- Overall Completion of Project – Q2 2017

# Outerbridge Crossing Pavement Replacement



- Full pavement replacement of eastbound and westbound spans and approach asphalt roadway surfaces for a \$23.5 million total project cost
- 120 total job years, \$3 million in wages and \$39 million in economic activity

# ***Outerbridge Crossing Pavement Replacement Project Cost / Schedule***

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- Total Project Cost: \$23.5M
- Award of Construction Contract: \$13.3 million to Cridel Group Inc.
- Project Authorization – April 2013
- Award of Contract – May 2013
- Completion of Bridge Spans Pavement Replacement – November 2013
- Overall Completion of Project – Q4 2015

## *Recommendation*

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- Goethals Bridge Modernization Program Project Authorization at an estimated Port Authority project cost \$363 M of a \$1.5 B total project cost
  - Contract Award to NYNJ Link Partnership for the design, construction, financing and maintenance of the Project
- Bayonne Bridge Navigational Clearance Program Project Authorization at an estimated total cost \$1.29 B
  - Contract Award to Skanska Koch, Inc/ Kiewit Infra Co. (JV) at an estimated total construction cost of \$743.3 million
- Outerbridge Crossing - Project Authorization at an estimated total cost \$23.5 M
  - Contract Award to Crisdel Group Inc. at an estimated total construction cost of \$13.3 million

# Staten Island- New Jersey Bridges Construction Program

