Kosciuszko Bridge Project

Existing Bridge
Project Limits

Project Limit

Queens

New Calvary Cemetery

Old Calvary Cemetery

Newtown Creek

Brooklyn
Need for the Project - Structural Deterioration on Structural Steel
Need for the Project - Structural

Local Deterioration on Concrete Roadway
Need for the Project - Safety

Non-Standard Sight Distance on Main Span
Need for the Project - Safety

Non-Standard Merge Lengths at Entrance Ramps
Need for the Project - Operations

Non-Standard Roadway Grades on Approaches
Need for the Project - Operations

Severe Congestion throughout the day
Need for the Project – Bridge Requires Extensive Maintenance

- To ensure that the existing 75-year-old bridge remains safe and in a state of good repair, NYSDOT has implemented a program of ongoing inspection, maintenance and repair.
- An existing Interim Contract to maintain the bridge will remain in place through construction of the new bridge.
Need for the Project – Bridge Requires Extensive Maintenance

• Since last fall, NYSDOT has:
  - Performed 1481 steel repairs at 119 locations on the bridge
  - Repaired concrete joints at five locations on the Queens and Brooklyn approaches
  - Continued to repair/replace joints on the Meeker Avenue viaduct
  - Repaired the deck of the Queens approach
  - Continued to repair potholes on an ongoing basis on the main span and approaches
Contract Awarded

- Governor Cuomo announces selection of Skanska/Kiewit/ECCO III team to complete Phase 1 of Kosciuszko Bridge Project
- Design-Build Contract awarded May 23, 2014
- At $555 million, the largest single contract in the history of NYSDOT
Kosciuszko Bridge Project Team

- NYSDOT – Owner
- Skanska / Kiewit / ECCO III (SKE) Joint Venture – Contractor
- HNTB Engineering – Designer
- LiRo Engineers – Construction Inspection
- Parsons Brinckerhoff – Design QA
- STV – Construction QA
- Helen Neuhaus & Associates – Public Outreach
- Stakeholders Advisory Committee (SAC)
Phase 1

Constructs new Eastbound (or Queens-bound) structure next to existing bridge
Phase 1

Allows all BQE traffic to be shifted off existing bridge and onto new Eastbound structure.
Phase 1

Removes existing bridge
Phase 2

Separate future contract which constructs new Westbound (or Brooklyn-bound) structure (early 2018)
The New Kosciuszko Bridge
Project Components for Phase I
Project Components for Phase I
Project Components for Phase I
Project Components for Phase I
Gentler Grade

- Improves traffic safety and maintenance access
- Accommodates more embankment structure

Lower vertical profile by approximately 35 ft along alignment
Straightener Drive

- Improved driver sight distance
- Refined to optimize park and street space
Approaches & Connectors

- Low maintenance
- Brooklyn Approach: Precast girders with cast-in-place decks
- Queens Approach
Aesthetic Design
Aesthetic Design
Aesthetic Design
Aesthetic Design

Retaining Walls

Anchor Piers
Remove Existing Bridge

Secure to supporting towers
Remove Existing Bridge

Float down Newtown Creek
Project Benefits

- Improve Traffic Safety, Reduce Congestion & Improve Operations for motorists:
  - Provide standard travel lane widths
  - Provide improved shoulder widths
  - Reduce roadway incline
  - Provide merging (or auxiliary) lanes in both directions
  - Improve sight distances
  - Improve travel speeds
Project Benefits

- Upgrade the State’s vital infrastructure by replacing the deteriorating bridge with a new structure designed to last 100 years
Project Benefits

• Unique Cable-Stayed main span structure
• Towers create an iconic “Gateway” to Brooklyn & Queens
• Transform NYC skyline
Transform the NYC Skyline
Transform the NYC Skyline
Project Benefits

• Provide new bikeway/walkway along new Westbound structure
New Sgt. William Dougherty Park

Existing Limits of Playground Area: 0.76 Acres

Proposed limits of reconfigured playground Area: 0.83 Acres

Buildings to be removed
Project Benefits

- Skate Park
- Basketball/Handball
- Play Area
- Sitting Areas
- Restroom
Project Benefits

• Streetscaping improvements on local streets
Project Benefits

**DBE Commitment**

$70 million allocated to opportunities for Disadvantaged Business Enterprises (DBE)

Skanska’s Lead Estimator, Vincent Krause, greets an attendee of SKE’s DBE Outreach Event.
Identified Major DBE Packages

- Furnish & Installation of Reinforcement Steel
- Hauling & Disposal of Concrete/Asphalt
- Hauling & Disposal of Contaminated/Hazardous Material
- Furnish & Delivery of Fill Materials
- Electrical Material Supply
- Design Services
- Concrete Supply
- Asbestos Abatement
- Landscaping
Project Benefits to Community

- Support Local Restaurants
- Construction Material Supply
- Office Supply
- Security
Business Outreach Events

The Project Team will hold two initial DBE and local business outreach events:

• **Wednesday, August 6th 4:30- 6:30 PM** at Warsaw/Polish National Home (261 Driggs Avenue Greenpoint, Brooklyn)

• **Wednesday, August 13th 4:30-6:30 PM** at Sunnyside Community Services (43-39 39th Street Sunnyside, Queens)

For more information please contact [Julia.Maxwell@Skanska.com](mailto:Julia.Maxwell@Skanska.com) or 718-340-0857
Early Work
Phase 1 Schedule Overview

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- **Notice to Proceed**: May 23 2014
Schedule Overview

Major Early Activities

• Geotechnical Borings
• Survey
• Pre-construction Survey
• Rodent Control for Buildings
• Building Removal
• Test Pits for Utility Relocation
• Field Office Setup
Local Street Work
Geotechnical Borings
Environmental Work

- HASP (Project Specific Health and Safety Plan)
  - Promotes Injury Free Environment for the Project Team
  - Protects residents and the traveling public
  - Ensures environmental preservation
  - Compliance with environmental regulatory agencies

- Rodent Control
  - Prior to building removals

- Environmental Monitoring (Establish backgrounds for noise and air)
Removal of Buildings to Make Room
Public Outreach & Communication Plan
Community Liaison

- Full-time on-site Community Liaison available at all times to address questions and concerns
  - Cell phone: (347) 988-4412
  - Email: kosciuszko@dot.ny.gov
- Daily coordination with community and Design-Build Team
Public Information and Involvement

- Website (www.dot.ny.gov/kbridge)
- Newsletters
- Construction Notices
- **Going Green** – email addresses
Christine Holowacz
Cell phone: (347) 988-4412
Email: kosciuszko@dot.ny.gov

www.dot.ny.gov/kbridge
New Kosciuszko Bridge