NEW YORK CITY DEPARTMENT OF TRANSPORTATION
DIVISION OF BRIDGES

Robert Collyer, Chief Bridge Officer and Deputy Commissioner

March 3, 2021
NYCDOT Bridges owns, operates, and maintains 792 bridges and 4 tunnels throughout New York City, including:

- The Brooklyn, Manhattan, Williamsburg and Queensboro Bridges
- Harlem River Bridges
- Belt Parkway Bridges
- Pedestrian bridges, elevated roadways, 24 movable bridges, 53 culverts, 4 tunnels, and 600+ walls
• Bureau of Bridge Maintenance, Inspection and Operations
  Paul Schwartz, PE, Associate Deputy Commissioner
• Bureau of Bridge Capital Design and Construction
  David Dunn, PE, Assistant Commissioner
• Engineering Review and Support Bureau
  Anil Vyas, PE, Deputy Chief
• Bureau of Management and Support Services
  Dorothy Roses, Assistant Commissioner
• Design Build and Emergency Contracts
  Tanvi Pandya, PE, Acting Executive Director
Ferries

- Ferry Operations
  - Safely and efficiently operates the Staten Island Ferry (25 million annual passengers)
  - Regulates private ferries operating within the City of New York.

- Terminal Operations
- Maintenance and Repair
- Ferry Engineering
NYCDOT Operational Divisions

- Roadway Repair and Maintenance
  - Arterial Maintenance
  - Asphalt Operations
  - Milling Contract Management
  - Resource Management
  - Street Maintenance
NYCDOT Operational Divisions

• Sidewalk Inspection and Management
  • Citywide Concrete
  • Sidewalk Program
  • Office of Emergency Response
  • Highway Inspection and Quality Assurance
  • Builder’s Waivers Program
  • Office of Special Events
  • Pedestrian Ramp Program
NYCDOT Operational Divisions

- **Transportation Planning and Management**
  - Responsible for streets infrastructure that regulates traffic flow, parking and commercial deliveries.
  - Ensures the safety of motor vehicle occupants, pedestrians, and cyclists.
  - Developing projects that further safety, efficiency, and sustainability goals.
  - Traffic Control and Engineering
  - Transit Development
  - Regional and Strategic Planning
  - Street Improvement Programs
  - Research, Safety and Implementation
  - Design and Construction
NYCDOT Operational Divisions

• **Traffic Operations**
  - The division operates and maintains off-street parking facilities and metered parking through the city.
  - Oversees signal controls and other electrical traffic control devices.
  - Maintains the city’s street lighting infrastructure.
  - Oversees the red light, bus lane, and Speed Camera programs, as well as the Traffic Management Center and the Vehicular Traffic Control System.
  - Oversees federal funding for intelligent transportation system efforts.
FY21 – REI & CONSTRUCTION

- Broadway Bridge over the Harlem River (CSS & Construction)
- West 79th Street over Amtrak and Rotunda (REI, CSS, and Construction)
- Rehab of Park Avenue Viaduct, North Side of East 42nd (Construction)
- Emergency Contract for 181st (Washington Bridge) over the Harlem River (REI, CSS, and Construction)
FY21 – DESIGN

- East 183rd St. over Metro North
- East 188th St. over Metro North
- BSHP over Ocean Avenue
- BSHP over Bedford Avenue
- BSHP over Nostrand Avenue
- BSHP over Sheepshead Bay Road
FY22 – REI & CONSTRUCTION

- Boston Road over the Hutchinson River (REI, CSS, & Construction)
- West Tremont Ave over Metro-North (Construction)
- Williamsburg Bridge Contract 9 (REI, CSS, & Construction)
FY22 – DESIGN

- Woodhaven Boulevard over Atlantic Ave
- East 14th Street Ped Bridge
- BCIP over Dutch Broadway – 115 Ave
FY23 – REI & CONSTRUCTION

- BHSP over Ocean Ave, Nostrand Ave, Sheepshead Bay Rd., and Bedford Ave (REI, CSS, & Construction) – All Design Build
- BCIP over Dutch Broadway – 115 Ave (REI, CSS, & Construction)
- East 188th St. over Metro-North (REI & Construction)
- 191st Street Pedestrian Tunnel to IRT #1 Subway (Construction)
FY23 – DESIGN

- Merrick Boulevard over BLP
- Sunrise Highway Westbound Bridge over BLP
- Union Street over 278I BQE
- Kane Street over 278I BQE
- Seeley Street over Prospect Avenue
FY24 – REI & CONSTRUCTION

- Parkside Ave and Ocean Ave RR Bridges (Construction)
- Boston Road over the Bronx River (REI & Construction)
- Seeley Street over Prospect Avenue (REI, CSS, & Construction)
- 14th Street Pedestrian Bridge (CSS & Construction)
- Beverly Road over BMT Subway, Brighton (REI, CSS & Construction)
POTENTIAL DESIGN BUILD PROJECTS

East 183rd Street and East 188th Street

• Existing Bridge Description
  – Two single-span bridges, spanning roughly 60 ft, with partially encased steel girders composite with a R/C deck, and supported on gravity wall abutments
  – Crosses four tracks of Metro-North Rail Road

• Anticipated Scope
  – Full Bridge Replacement
POTENTIAL DESIGN BUILD PROJECTS

Belt Parkway Bridges

• Existing Bridge Description
  – Four roadway bridges, with span lengths ranging between 80 ft and 170 ft, made up of steel girders composite with a R/C deck and supported on R/C piers and abutments.

• Anticipated Scope
  – To Be Determined

• Anticipated Cost
  – $156 M
POTENTIAL DESIGN BUILD PROJECTS

East 191\textsuperscript{st} Street Tunnel

- **Existing Description**
  - Pedestrian tunnel, roughly 906 ft long, connecting the entrance at Broadway to the entrance at St. Nicholas Ave. at 191\textsuperscript{st} St. Station

- **Anticipated Scope**
  - To Be Determined

- **Anticipated Cost**
  - TBD
COMPONENT REHABILITATION PROJECTS

• Extending the service life of bridges in New York City in consideration of future projects.

• Identifies the element or elements (beam, column, abutment, etc.) most in need of repair in order to extend the bridge’s life for at least another 10 years.
MANAGING THROUGH CHANGE

- COVID-19
- Budget Issues
- Stimulus Issues
THANK YOU!