

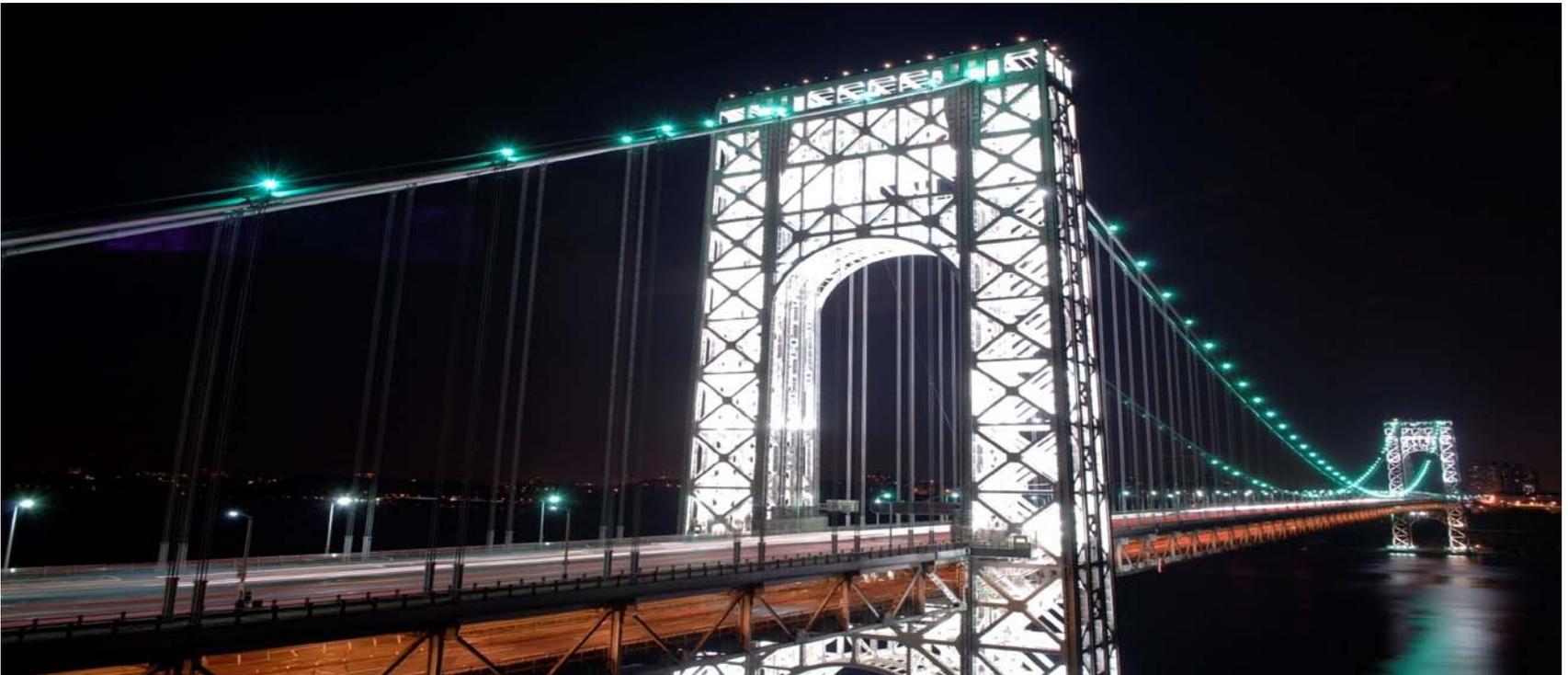
George Washington Bridge

Bridge Rehabilitation Program

Committee on Construction
February 9, 2012

Bridge Rehabilitation Program at the GWB

1. Upper Level Steel Rehabilitation Program - \$199 Million
2. Suspender Ropes and Main Cable Program - over \$1 Billion
3. Approach Roadway Bridges Program – approx. \$540 Million
4. Lower Level Rehabilitation Program – approx. \$200 Million



Approach Roadway Bridges Program

There are approximately 46 approach roadway bridge structures at the GWB.



Approach Roadway Bridge Program - Projects

Current Projects

- 178th /179th Street Ramps & Bus Station Ramps
- Center Ave & Lemoine Ave Bridges

Future Projects

- Bridges over NJ Anchorage & Hudson Terrace
- Local Streets over the Trans-Manhattan Expressway
- Ramps to and from the Henry Hudson Parkway
- Bus Station Parking Bridges
- Bruce Reynolds Blvd. over the Emergency Garage in NJ

COMBINED \$540 MILLION INVESTMENT IN APPROACH ROADWAYS

Rehabilitation of the 178th Street and 179th Street Ramps and Bus Ramps – Project Authorization

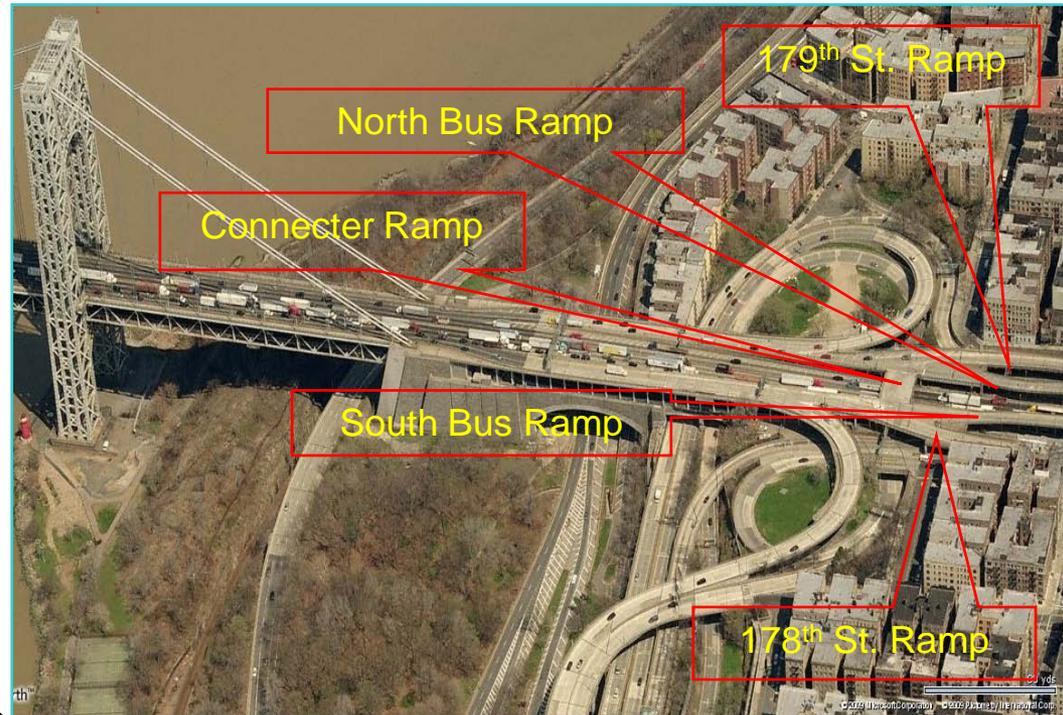
- Replace the decks on all 5 bridge structures
- Rehabilitate supporting structural steel, piers and abutments
- Project Authorization: \$218.8 million

Schedule

Complete Final Design
Mid 2013

Bid Solicitation and
Authorize Contract Award
4th Quarter 2013

Construction - 2014 - 2020



Rehabilitation of the Center Avenue Bridge and the Lemoine Avenue Bridge – Planning Authorization

- Replace Decks
- Rehabilitate supporting structural steel, piers and abutments
- Planning Authorization: \$3.4 million

Schedule

Complete prelim design
& Project Authorization
2nd Q 2013

Complete final design, bid,
& authorize award
Mid 2014

Construction – 2014 - 2017



Rehabilitation of the Lower Level Planning Authorization

- Steel repairs
- Paint removal and re-painting
- Maintenance platform travelers
- Median area mesh
- Re-painting lower NY tower
- Planning Authorization: \$7.8 million



Schedule

- Complete Phase 1 steel repairs design, bid and authorize contract award - 3rd Q 2013
- Complete Phase 2 preliminary engineering - 4th Q 2013
- Project Authorization - 2014
- Final design, bid, authorize contract award - 2015
- Construction - 2015 - 2021

Bridge Rehabilitation Program - Economic Assessment

- Total investment of \$460 to \$480 million

	Job Years	Wages (in Millions)	Economic Activity (in Millions)
<u>Approach Roadway Bridges</u>			
Rehabilitation of 178 th and 179 th Street Bus Ramps	1,013	72	334
Rehabilitation of the Center Avenue Bridge and the Lemoine Avenue Bridge	250	16	73
<u>Lower Level</u>			
Rehabilitation of the Underside Of Lower Level	850	60	298
Total for this Program	2,113	148	705

Project	Requested Authorization	Consultants/ Staff Costs
Rehabilitation of 178th & 179th Street Bus Ramps	Project: \$218.8 million	URS Corporation (Agreement \$6m*) Prev. Auth \$0.8 million Add'l Funding: <u>\$1.8 million</u> Total Agreement: \$2.6 million Staff Costs: \$22 million Consultants: \$3.1 million <i>*\$3.4m for other GWB Projects</i>
Rehabilitation of the Center Avenue Bridge and the Lemoine Avenue Bridge	Planning: \$ 3.4 million <i>(Future project est. at \$45 to \$50 million)</i>	Hardesty & Hanover, LLC Requested: \$1.9 million Future Work: <u>\$2.0 million</u> Total Agreement: \$3.9 million Staff Costs: \$2.9 million Consultants: \$1.9 million
Rehabilitation of the Underside of the Lower Level (Planning Authorization)	Planning: \$ 7.8 million <i>(Future project est. at \$200 to \$210 million)</i>	Parsons Transportation Group of New York Total Agreement: \$3.4 million* Staff Costs: \$6.3 million Consultants: \$3.5 million <i>*preliminary & final design for the short-term priority structural repair work and preliminary design for long-term repairs and repainting</i>
TOTAL AUTHORIZATION	\$230 million	