



102ND STREET BRIDGE REHABILITATION: *Renewing a Vital Link to the Airport*

The rehabilitation of the Port Authority of New York and New Jersey's 102nd Street Bridge ensures the safety, solidity and function of the 60-year-old steel and concrete structure that carries four lanes of vehicular as well as pedestrian traffic across the Grand Central Parkway to La Guardia Airport. The 12-span bridge, with a total length of 725 feet, is one of three vital links to the airport. The project included replacing existing steel brackets, rocker bearings, and concrete deck; adding steel beams; lead paint removal; and repairs to the substructure facing. Partnering and a can-do attitude enabled the project team to produce a high-quality job while minimizing public inconvenience and keeping traffic flowing.

HIGHLIGHTS:

- Used innovative seismic retrofit design featuring friction pendulum bearings
- Met schedule and budget goals and minimized construction costs
- Maintained safe vehicular and pedestrian traffic across the span and high-speed, high-volume traffic below
- Minimized construction disturbances including noise that might disturb guests in nearby hotels
- Minimized public inconvenience and kept traffic flowing by staging the work



102nd Street Bridge Rehabilitation
Queens, NY

Port Authority of New York and
New Jersey

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