
Bronx-Whitestone Bridge

Cable Rehabilitation and Painting

GPI

Construction Engineering & Inspection



Client/Owner: Triborough Bridge & Tunnel Authority

Project Location: New York, NY

GPI provided construction inspection services on the Bronx-Whitestone Bridge for the rehabilitation of suspended spans. The major tasks associated with this \$22.6-million project included erection of a temporary footwalk along the main cable; main cable unwrapping and rewinding; main cable oiling and compacting; cable wire splicing; repair of concrete deck at anchorages; and cleaning and painting of superstructure. The scope of the contract included lead removal and painting of approximately 1.2 million sq ft of structural steel and also reconditioning of 8,000 lin ft of 22-inch diameter cable. During the rehabilitation process, over 530 tons of hazardous waste was generated and disposed of, and 27,000 gallons of paint was used to recoat the bridge's main structural components. The main cable was treated with 6,800 gallons of raw linseed oil and coated with 1,230 gallons of red lead paste. The cable was then rewrapped with 190,000 lbs. of new galvanized wire.