
Verrazano-Narrows Bridge

Rehabilitation of the Lower Level Approaches

VN-17A



Client/Owner: MTA Bridges & Tunnels (TBTA)

Project Location: Staten Island and Brooklyn, NY

During the 2002 biennial inspection of the Verrazano-Narrows Bridge, the TBTA determined that extensive rehabilitation work was required to replace the deck, joints and bearings of 31 lower level spans on both the Staten Island and Brooklyn approach roadways.

Greenman-Pedersen, Inc. is providing resident engineering and inspection services for the following items of work:

- Removal of existing lower level roadway deck in Brooklyn and Staten Island approaches and replacement with monolithic reinforced concrete deck. The ramps to and from the Belt Parkway will utilize pre-cast reinforced concrete deck panels with a two course deck system
- Rehabilitation of the piers and abutments on both approaches.
- Maintaining all services as specified that are impacted by the construction including roadway lighting, power, telecom, monitoring, control and security systems.
- Installation of new area lighting under the approaches.
- Replacement of electrical conduits and feeders currently embedded in the concrete decks and safety walks.
- Replacement of the lower level drainage.
- Lead and asbestos abatement.