TBTA Construction Management Services for new 5kV Electrical Switchgear Substation at Verrazano Narrows Bridge

A.G. Consulting Engineering, is worked on this project as a subconsultant to AECOM to provide construction management services. The scope of work is inspection for the replacement of the existing 5kV Substation #1 located in the Verrazano Narrows Bridge Service Building. Project consists of: (i) a new one story steel and masonry addition to the south end of the Service Building that will house the new 5kV electrical switchgear and battery room; (ii) new conduit and 5kV feeders from existing TBTA property line manholes to the new 5kV substation (4160V, 3-Phase, 1200A, Main-Tie-Main, Con-Edison High Tension Service); (iii) new 5kV electrical feeders from the new substation to the existing distribution transformers and circuits at various locations throughout the facility; (iv) the upgrade and modification of the existing power monitoring system; (v) a new 4160V standby generator; and (vi) the demolition of the existing 5kV switchgear equipment located in Substation #1.

Location:

New York, NY

Owner:

TBTA

Services Provided:

Construction Management

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