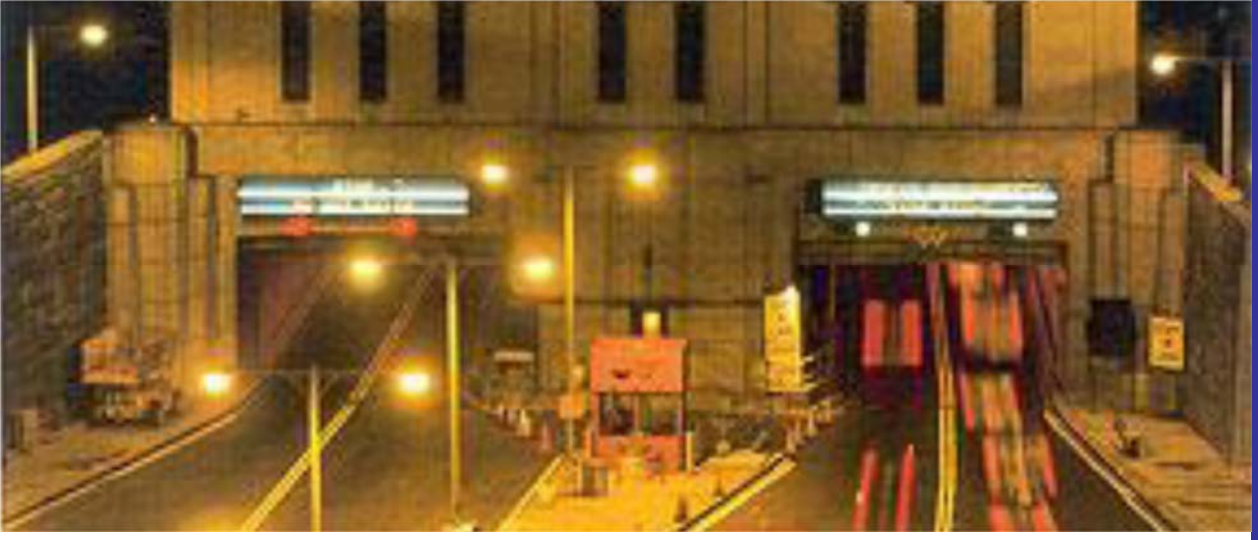

TBTA CM & Inspection Services for BB-45 Replacement of Switchgear & Power Distribution at the Brooklyn Battery Tunnel

The Brooklyn Battery Tunnel (BBT) is a twin tube vehicular tunnel under the East River and Buttermilk Channel, connecting lower Manhattan to Brooklyn. There are four ventilation buildings at the BBT as follows: The Manhattan Blower Building (MBB) is situated directly above the Manhattan portal of the tunnel. The building houses seven blower fans, electrical distribution switchgear and motor control equipment. The Manhattan Underground Exhaust Building (MUEB) is situated beneath Battery Park in Manhattan. It is a rectangular shaped reinforced concrete structure that begins at a point approximately 740 feet south of the Manhattan portal. The building houses eight tunnel exhaust fans. The building houses eighth fresh air fans and six exhaust fans as well as electrical equipment including transformers, switchgear and fan controls for the operation of the tunnel. The Governors Island Ventilation Building (GIVB) is located in the East River at the approximate half-way point between the Brooklyn and Manhattan portals. The building sits on a man-made island, adjacent to the northeasterly tip of Governors Island. The building houses 12 blower and 12 exhaust fans for ventilating the center half of the tunnel, electrical distribution switchgear, and motor control equipment. The ventilation buildings house mechanical and electrical equipment that support vital functions of the tunnels.

AG's scope of services include the installation and replacement of high voltage cable, switch gear, transformer, motor, generators and other electrical equipment. Also responsible for coordination, inspection and installation of all electrical equipment.

Location:

New York, NY

Owner:

TBTA

Services Provided:

Construction Management

Inspections

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