NYCT IDIQ A/E Design Services for Federally Funded Misc. Construction and Capital Security Projects – Greenpoint Tunnel As-Built Drawings

AG provided As-Built drawings for Greenpoint Tunnel under a task order for NYCT IDIQ A/E Design Services for Federally Funded Misc. Construction and Capital Security Projects within the Five Boroughs. Greenpoint Tube is under river tube on IND line connecting 21st Street Station in the borough of Queens and Greenpoint Ave. Station in the borough of Brooklyn. Hurricane Sandy caused tremendous damage to the New York City Transit (NYCT) facilities. The storm surge from the hurricane caused flooding of NYCT facilities areas including grade level tracks, under river tubes, stations and subway tunnels, train yards, traction power substation and circuit breaker houses. The salt/sewer water caused much damage to operational system equipments. Repair the all operational equipment is urgent and essential to restore to pre-hurricane performance. Accelerated design procedure and methods will be required to ensure that the various NYCT facilities can be returned to normal as soon as possible.

AG will produce As-Built drawings to reflect the existing conditions for the following disciplines (123 drawings estimated): Emergency Alarm/Emergency Telephone, Sound Powered Telephone, Traction Power, Battery and Control, Heat Trace, Electrical, Fire line and Standpipe.

AG will produce CAD drawings from As-Builts marked up and re-checked by HNTB engineers for the following disciplines (46 drawings estimated): Copper Communications, Radio Antenna, Fiber Optic Systems

The following are tasks AG will perform to produce the As-Built drawings.: Prepare field drawings to develop infield markup sketches during site survey. Perform survey to identify equipment, conduits and devices for Emergency Alarm/Emergency Telephone, Sound Powered Phone, Traction Power, Battery and Control, Heat Trace, Electrical and Fire line and Standpipe in the tube. Develop field survey notes and sketches into markups ready for CAD.

Location:

New York, NY

Owner:

NYCT

Services Provided:

Electrical

Communications

CAD

A.G. CONSULTING ENGINEERING, PC

A.G. Consulting Engineering, PC
131W 33rd Street, 12B
New York, NY 10001
Phone: 212-268-0950
agceng@agceng.com