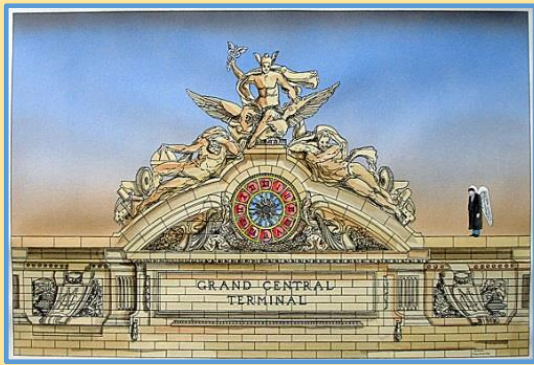


Flow-Liner®

“Provides a New York City Landmark” With a Pipe Lining Technology Answer

History

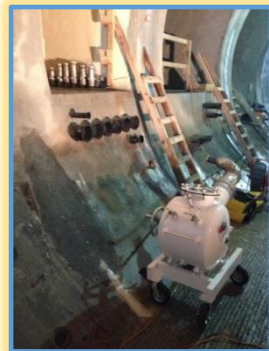
Grand Central Terminal is one of New York City’s most famous landmarks and is located on 42nd Street at Park Avenue. The original Grand Central Depot opened in 1871 and became Grand Central Station in 1901 after renovation and expansion. A new building was built and officially opened its doors on February 1, 1913 as Grand Central Terminal.



In 1982, Metro North took over and launched a multi-million dollar repair program over the next decade. Current work is in progress to again expand Grand Central by opening it to commuters from Long Island with the East Side Access project. The East Side Access project, when complete, will connect Long Island Rail Road to Grand Central Terminal, creating a terminal on Manhattan’s East Side to complement Penn Station on the West Side.



Utility Tunnel access to conduit location



Flow-Liner® Equipment Set-up



Conduit after Flow-Liner® installation

Problem

During the construction of the East Side Access project, it was identified that one of the new conduits was leaking in the utility tunnel.

Issue

The 4 inch conduit was 60 feet in length with two 90° and two 45° bends. The leaking conduit was located approximately ¾ of a mile into the utility tunnel and 100 feet underground. It ran from the utility tunnel to a vault room and was encased in 6 feet of concrete. Excavation and replacement of the conduit would have been very costly to the multi-million dollar project.

Solution

Using Flow-Liner® technology, a Flow-Liner Certified Installer prepared and installed the CIP-Conduit® Lining System in the 4 inch electrical conduit.

Results

The leaking electrical conduit was successfully lined without excavation or disruption to the progress of the project. The Project Manager from Granite-Traylor-Frontier (GTF) Joint Venture was very pleased with the results and commented:

“The finished product exceeded our expectations and helped GTF close out an item of punchlist work that could have been more costly if not for the technology provided by your company. We would definitely utilize your services in the future if required and highly recommend your firm to any other Contractors who experience a similar problem.”

We are pleased to announce another successful project and proudly add

G.T.F. Joint Venture

to our list of happy and satisfied customers.