

Turn-Key Tunneling Project #70218 Delaware Canal Pedestrian Tunnel

Owner:

Pennsylvania Department of
Transportation
400 North Street, Fifth Floor
Harrisburg, PA 17120

General Contractor:

AP Construction, Inc.
One Crescent Blvd, Suite 104
Philadelphia, PA 19112
Lee Norelli, 609-685-7860

Type of Contract:

Subcontractor

Construction Cost:

Initial Bid: \$1,316,200.00
Final Price: \$1,316,200.00

Contract Dates:

Start – October 27, 2018
Complete – November 30, 2018

-Fully Completed

-No Liquidated Damages
Assessed

Scope of Work:

Pedestrian Tunnel:

This project for the Pennsylvania Department of Transportation featured a 12-ft diameter tunnel installation with a hydraulic driven tunnel shield and required ground pretreatment prior to

tunneling to ensure minimum subsidence beneath an active Conrail track. Turn-Key employed JennChem stabilizer to meet the contract requirements on the pretreatment with 250 injection rods to solidify the loose fill above the tunnel limits. The project consisted of a 140-lf drive of 144-in. tunnel. As with any railroad fill projects, some surprises were found in the way of boulders that required removal of the sand shelves to facilitate removal. The tunnel was started the last week of October in



2018 and the shield popped out the reception side a couple of days before Thanksgiving in 2018.

Special conditions:

A backstop to support the initial jacking load of 960,000 lbs was constructed above ground to launch the shield.