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Project Profile

Soil Stabilization

Completion Date

March 2014

Installation Methods:

- Auger Boring
- Horizontal Directional Drilling
- Pipe Jacking and Tunneling
- MicroTunneling (Pilot Tube Method)
- Soil Stabilization
- Grouting

Markets Served:

- Storm Water
- Transportation
- Heavy Civil Construction

Project: PTC Mainline Toll Facility

Location: Bensalem, PA

Project Details:

A box culvert jacking required directional drilling for soil stabilization, pilot tube microtunneling for guide casing installation, and tunnel methods for box culvert installation. Auger boring methods were used to install steel casings for RCP crossings. A 1:3 grout was used for filling voids outside of the box culvert and as annular fill between the casings and their corresponding carrier pipes.

Final Product: 136 LF of 8'x7' Box Culvert, 167 LF of 18" RCP, 83 LF of 24" RCP, 73 LF of 36" RCP

Geology: Gravely Sand, some silt and clay



Owner:

The Pennsylvania Turnpike

Engineer:

Urban Engineers, Inc.

Contractor:

Road-Con, Inc.

For More Information:

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 Reference Job # 1308028

