



## Project Profile

Soil Stabilization

Completion Date  
March 2014

## Installation Methods:

Auger Boring  
Horizontal Directional Drilling  
Pipe Jacking and Tunneling  
MicroTunneling  
Soil Stabilization  
Grouting

## Markets Served:

Storm Water  
Transportation  
Heavy Civil Construction

**Project:** PTC Mainline Toll Facility

**Location:** Bensalem, PA

## **Project Details:**

A box culvert installation under the Pennsylvania Turnpike 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:** 167 LF of 18" RCP ,83 LF of 24" RCP, 73 LF of 36" RCP, Installation of 8' x 7' Concrete Box Culvert

**Geology:** Clay, Sands, Silts



## Owner:

The Pennsylvania Turnpike

## Engineer:

Urban Engineers, Inc.

## Contractor:

Road-Con, Inc.

## **For More Information:**

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Reference Job # 1308028