Project Profile: TBM TUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

30th Avenue North Storm Water Improvements
St. Petersburg, FL



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 147 linear feet of 72 inch reinforced concrete pipe for a storm water system needing improvements. This was accomplished by direct jacking in a single pass under a CSX Transportation Railroad at a depth of 10 feet below the existing grade. Bradshaw worked closely with the CSX Railroad to install dewatering within the right of way, allowing for this type of cost-savings tunnel method in lieu of microtunneling. The successful completion of this project is a testimony to the reputation for all parties involved.





PROJECT INFORMATION - 489

OWNER:
City of St. Petersburg
Engineering & Capital Improvements Department
P.O. Box 2842
St. Petersburg, FL 33731
727.893.7295

ENGINEER:
URS Corporation Southern
Russell Pratt, PE
russ_pratt@urs.com
813.286.1711

CONTRACTOR:
Woodruff & Sons, Inc.

COMPLETION DATE:
10/23/2010

GEOLOGY:
Sand and Sand with Silt

EXCAVATION METHOD:
Akkerman Excavator Shield & Wheeled TBM

MINING DIMENSIONS:
147' x 89" Ø

FINAL LINING:
72" Reinforced Concrete Pipe

FOR MORE INFORMATION:
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Refer to Project 489