Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Western Area Trunk Sewer
Richmond, VA

PROJECT OVERVIEW AND CHALLENGES

Bradshaw has completed microtunneling 532’ of 60” steel casing under I-64 , a six-lane divided highway northwest of Richmond, VA for a 30” DIP gravity sewer. Henrico County (Owner) contracted AECOM (Engineer) and Gaston Brothers Utilities, LLC (General Contractor) to construct the project, with Bradshaw being selected as microtunneling subcontractor. The 60” MTBM used was a model AVN-1200 manufactured by Herrenknecht. Tunnel depths ranged from 12’ to 32’ below the surface, with the biggest challenge being the ground conditions which transitioned from sandstone, to gravel, to clayey sand below the water table.

PROJECT INFORMATION - 583

OWNER:
Henrico County
Dept of Public Utilties
Jason Garofalo
804-501-4000
gar097@henrico.us

ENGINEER:
AECOM
Stephen Crowe
804-515-8300
stephen.crowe@aecom.com

CONTRACTOR:
Gaston Brothers Utilties, LLC

COMPLETION DATE:
10/12/2018

GEOLOGY:
Sandstone, Gravel, Clayey Sand

EXCAVATION METHOD:
Herrenknecht AVN-1200 MTBM

MINING DIMENSIONS:
532' x 60" Ø

FINAL LINING:
30" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 583