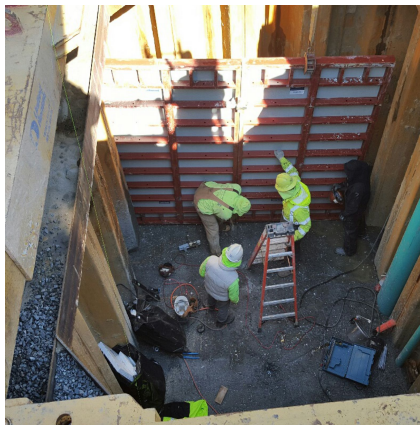


South Trunk Sewer, Section G Forcemain Replacement Norfolk, VA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw installed 136 linear feet of 50.5 inch steel casing to accommodate a 30 inch ductile iron sewer line under East Brambleton Avenue at the intersection with St. Paul Boulevard in downtown Norfolk, VA. Soil conditions consisted of sand under the water table. Microtunneling was required due to the need to keep the busy intersection open, and because the saturated sand would have been problematic for other tunneling methods. Job was completed without settlement to the highway or adjacent utilities in spite of the challenging conditions.



PROJECT INFORMATION - 556

OWNER:

Hampton Roads Sanitation District
Engineering Dept.
Shawn Heselton
757-353-5464
sheselton@hrsd.com

ENGINEER:

AECOM
Will Gibson
757-306-4000
william.gibson@aecom.com

CONTRACTOR:

Tidewater Utility Construction, Inc.

COMPLETION DATE:

2/26/2016

GEOLOGY:

Sand

EXCAVATION METHOD:

Herrenknecht AVN-1000 MTBM

MINING DIMENSIONS:

136' x 50.5"Ø

FINAL LINING:

30" Ductile Iron Pipe

FOR MORE INFORMATION:

Doug Piper, Project Manager
410-970-8300
dpiper@bradshawcc.com
Refer to Project 556