# Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

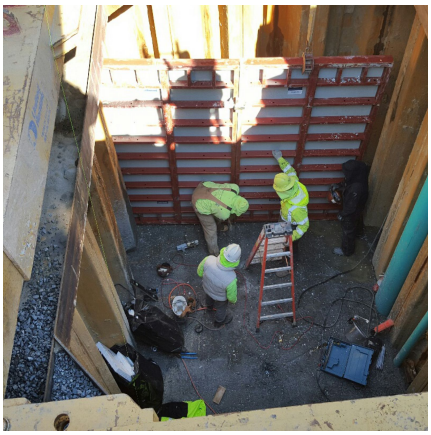
## South Trunk Sewer, Section G Forcemain Replacement
Norfolk, VA



### 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 setlement to the highway or adjacent utilities in spite of the challenging conditions.



### PROJECT INFORMATION - 556

**OWNER:**
Hampton Roads Sanitation District
Engineering Dept.
Shawn Heselton
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**ENGINEER:**
AECOM
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**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:**
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Refer to Project 556