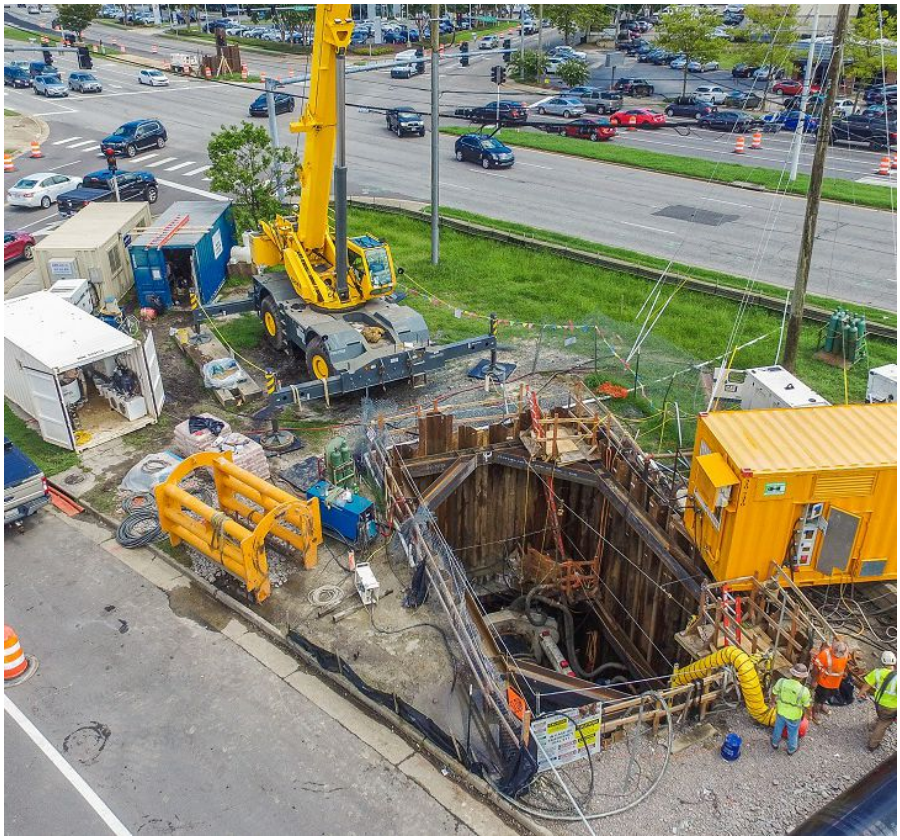
Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

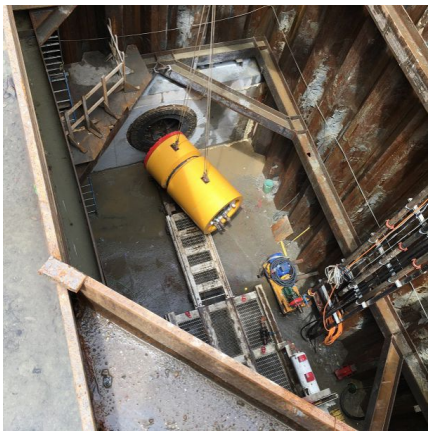
Virginia Beach Boulevard FM - Phase VI
Virginia Beach, VA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed three 60” steel casing tunnels totaling 1,360’ LF in Virginia Beach, VA as part of a new force main installation. The tunnels were installed through congested commercial areas underneath roads and rivers, with multiple utility conflicts. The ground conditions consisted of sand, silt and organic materials, underneath the water table. The longest drive of 740’ was installed underneath of London Bridge Creek with high water head pressure. Challenges included safely navigating around the utilities and preventing settlement and/or heaving of the roadways while tunneling through the large particle organics. The tunnels were successfully installed, hitting the targets on line and grade with no impact to the utilities.





PROJECT INFORMATION - 602

OWNER:
Hampton Roads Sanitation District
Laura Kirkwood
757-460-2491

ENGINEER:
Kimley-Horn
Scott Funk
757-355-6677

CONTRACTOR:
Bridgeman Civil, Inc

COMPLETION DATE:
9/4/2020

GEOLOGY:
Sand, Silt, Organics

EXCAVATION METHOD:
Herrenknecht AVN-1200 MTBM

MINING DIMENSIONS:
1,360' x 60" Ø

FINAL LINING:
48" HDPE

FOR MORE INFORMATION:
Jordan Bradshaw
410-970-8300
jordan.bradshaw@bradshawcc.com
Refer to Project 602