Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Sanitary Sewer 24" S1 @ I-277 Sewer @ I-277 to Whisnant
Charlotte, NC

PROJECT OVERVIEW AND CHALLENGES

Bradshaw completed tunneling on a project for improvements on the Express Lanes that covers nearly 26 miles of the I-77 corridor just north of Charlotte, including the conversion of existing high occupancy vehicles to the Express Lanes and the construction of new express lanes and two major interchanges. The tunneling work consisted of four microtunnel drives totaling 1,505 LF of 60" steel casing for 24" ductile iron gravity sewer line grouted within the jacked casing. Subsurface conditions encountered were a mixed face of clay and rock.

PROJECT INFORMATION - 579

OWNER:
I-77 Mobility Partners
Sugar Creek Construction, LLC
980-337-2400

ENGINEER:
Hinde Engineering
707-814-4407
khinde@hineengineering.com

CONTRACTOR:
Sanders Utility Construction Co., Inc.

COMPLETION DATE:
1/11/2019

GEOLOGY:
Fine Clay, Hard Rock

EXCAVATION METHOD:
Herrenknecht AVN-1200 MTBM

MINING DIMENSIONS:
535', 360', 330', 280' x 60" Ø

FINAL LINING:
24" Ductile Iron Pipe
18" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 579