Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Upper North Oconee Phase 2B
Athens, GA

PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction mined 1300' total of 60" steel casing over three different drives with the longest drive being 900'. Within the 60" steel casing, Bradshaw also installed 36" ductile iron pipe for a sewer. Many methods were used to complete this project and handle the varying geology. The AVN 1200 MTBM machine was used to mine under a local railroad. Hand-mining was used to get though partially weathered rock. Finally, using a hard rock TBM, Bradshaw was able to successfully mine a tunnel with a curved alignment.

PROJECT INFORMATION - 609

OWNER:
Athens-Clarke County
Rhonda Bray
706-613-3795
rhonda.bray@accgov.com

ENGINEER:
Jacobs
Tom Kelley
352-384-7086
tom.kelley@jacobs.com

CONTRACTOR:
Garney Construction

COMPLETION DATE:
6/27/2021

GEOLOGY:
Gneiss, Schist, Amphibolite

EXCAVATION METHOD:
TBM, microtunneling & hand mine

MINING DIMENSIONS:
60" & 72"

FINAL LINING:
36" DIP

FOR MORE INFORMATION:
Chris Flanagan
410-970-8300
cflanagan@bradshawcc.com
Refer to Project 609