Project Profile: HAND TUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Suwanee Pedestrian Tunnel
Suwanee, GA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 62' of 156" steel liner plate tunnel by conventional hand mine methods through a railroad embankment for a pedestrian tunnel. Hand mine techniques were utilized to install the liner plate tunnel under an active Norfolk Southern Railroad with only 7' of cover. Mining took six days to complete, working around the clock. After completion of the excavation, a shotcrete lining was placed on the inside to create the finished product.





PROJECT INFORMATION - 471

OWNER:
City of Suwanee
James Miller, Project Manager
770.945.8996
jmiller@suwanee.com

ENGINEER:
Neel-Schaffer
Mark Jones, PE
678.604.0040
mark.jones@neel-schaffer.com

CONTRACTOR:
JJE Constructors

COMPLETION DATE:
1/21/2009

GEOLOGY:
Clayey Sand, Fill

EXCAVATION METHOD:
Hand Mine

MINING DIMENSIONS:
62' x 156" Ø

FINAL LINING:
Shotcrete Finish

FOR MORE INFORMATION:
Eric Eisold, Vice President
410.970.8300
eeisold@bradshawcc.com
Refer to Project 471