

## 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  
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#### ENGINEER:

Neel-Schaffer  
Mark Jones, PE  
678.604.0040  
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#### 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:

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Refer to Project 471