

## Kennesaw Pedestrian Tunnel

Kennesaw, GA



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw hand tunneled 7 feet under a busy CSX Railroad serving Atlanta, GA to install 115 feet of 13 foot diameter tunnel with only 5'-7' of cover between the tunnel and the tracks. The tunnel supports were steel liner plate lined with epoxy paint. It was part of a new park celebrating railroad history and provided a much needed pedestrian underpass. Compensation grouting and real-time monitoring was utilized successfully to alleviate settlement of the railroad tracks.



### PROJECT INFORMATION - 486

#### OWNER:

Kennesaw Pedestrian Tunnel  
Steve Kennedy  
(770) 424-8274

#### ENGINEER:

URS  
Scott Caples  
(678) 808-8815

#### CONTRACTOR:

JJE Constructors

#### COMPLETION DATE:

12/19/2009

#### GEOLOGY:

Clay, Sand

#### EXCAVATION METHOD:

Hand Mine

#### MINING DIMENSIONS:

115' x 13' Ø

#### FINAL LINING:

156" Steel Liner Plate

#### FOR MORE INFORMATION:

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Refer to Project 486