

## 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