

**FDOT State Road 823**  
Hialeah, FL



## PROJECT INFORMATION - 488

### OWNER:

Florida Dept. of Transportation  
Jacqueline Sequeira  
305-654-7028

### ENGINEER:

Eisman & Russo Consulting  
305-666-2484

### CONTRACTOR:

Alstaldi Construction Corporation

### COMPLETION DATE:

8/31/2010

### GEOLOGY:

Sand & Sand w/ Silt

### EXCAVATION METHOD:

Lovat RM99/102R TBM

### MINING DIMENSIONS:

183' x 102" Ø

### FINAL LINING:

84" Reinforced Concrete Pipe

### FOR MORE INFORMATION:

Eric Eisold, Vice President  
410-970-8300  
eeisold@bradshawcc.com  
Refer to Project 488

## PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction used one pass pipe jacking to install 183 linear feet of 84 inch reinforced concrete pipe under the Florida East Coast Railway using a 102 inch Lovat TBM in earth pressure balance mode. The ground conditions were silt, sand and limestone below the water table. The alignment and reception plans were modified, allowing for the completed tunnel to maintain minimal cover from the FEC rail tracks of less than 1 tunnel diameter while only inches above a fiber optic line.

