

## I-275 Drainage Tunnels

Tampa, FL



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction was contracted for this signature FDOT project to install the first one-pass microtunneling system using reinforced concrete pipe from 42 inch to 72 inch. The total linear footage for this gravity storm sewer project was approximately 2,600. The cover below the heavily traveled highways was less than one diameter in most instances to create the gravity flow storm system and minimize utility conflicts. The project was completed on time with tight schedule restraints by means of concurrent microtunnel operations.



### PROJECT INFORMATION - 470

**OWNER:**

Florida Dept. of Transportation  
Richard Frank  
(813) 233-3832

**ENGINEER:**

Greeley and Hansen  
Tom Wilson (813) 873-3666 &  
HNTB  
Jeff Drapp (813) 246-9377

**CONTRACTOR:**

Posen Construction Inc.

**COMPLETION DATE:**

4/1/2009

**GEOLOGY:**

Sand, Limestone, & Clay

**EXCAVATION METHOD:**

Herrenknecht AVN-1200 MTBM  
RASA DH-1900 MTBM

**MINING DIMENSIONS:**

570' x 95", 504' x 72", 942' x 60",  
355' x 66", & 265' x 51" Ø

**FINAL LINING:**

78", 60", 54", & 42" Reinforced  
Concrete Pipe

**FOR MORE INFORMATION:**

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Refer to Project 470