Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

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:
Eric Eisold, Vice President
(410) 970-8300
eeisold@bradshawcc.com
Refer to Project 470