

## FDOT SR 55 US-19 Roadway Improvements Clearwater, FL



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction mined 2 separate microtunnel drives for the Florida Department of Transportation. One drive was 300 linear feet and the other run was 336 linear feet. A 48 inch and a 42 inch ductile iron pipe water main was installed within the 60 inch steel casing, respectively. The tunnels were below the water table and at a depth ranging from 10 to 30 feet deep. The soils consisted of silty sand and clay. Tidal flooding of the site and heavy rainfall demanded particular attention to the shaft and site setup for safe completion.



### PROJECT INFORMATION - 491

**OWNER:**

Florida Dept. of Transportation  
(850) 922-1905

**ENGINEER:**

Greeley and Hansen  
Tom Wilson  
(813) 873-3666

**CONTRACTOR:**

Hubbard Construction Company

**COMPLETION DATE:**

3/17/2011

**GEOLOGY:**

Silty Sand & Clay

**EXCAVATION METHOD:**

Herrenknecht AVN-1200 MTBM

**MINING DIMENSIONS:**

300' & 330' x 60" Ø

**FINAL LINING:**

48" and 42" Ductile Iron Pipe

**FOR MORE INFORMATION:**

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Refer to Project 491