

## South Central Hillborough Intertie Phase 1 Tampa, FL



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw was subcontracted by Westra Construction to mine a total of (8) tunnels under state roads and open cut (2) drives for the Tampa Bay Water Authority. 101.5 inch and 99 inch rib and board supports were installed to accommodate and install a 72 inch steel water main. The ground conditions consisted of soft ground and was below the water table.



### PROJECT INFORMATION - 370

**OWNER:**

Tampa Bay Water Authority  
(727) 796-2355

**ENGINEER:**

Camp, Dresser, & McKee  
Clay Tappen  
(813) 281-2900

**CONTRACTOR:**

Westra Construction Corporation

**COMPLETION DATE:**

8/2/2002

**GEOLOGY:**

Soft Ground

**EXCAVATION METHOD:**

Akkerman Shield 101.5" Ø  
Lovat TBM 99" Ø

**MINING DIMENSIONS:**

1,678' x 101.5" Ø & 210' x 99" Ø

**FINAL LINING:**

72" Steel Pipe

**FOR MORE INFORMATION:**

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Refer to Project 370