Project Profile: TBM TUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

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