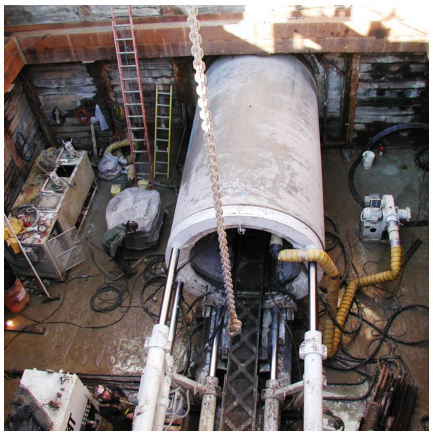
Project Profile: TBM TUNNELING

US Capitol Coal Handling System
Washington, DC

PROJECT OVERVIEW AND CHALLENGES

Bradshaw jacked 320 feet of 96 inch reinforced concrete pipe for a coal conveyor tunnel under active CSX and Amtrak railroad tracks for Architect of the Capital in downtown Washington, DC. Bradshaw used an Akkerman Model BS96C digger shield (tunnel boring machine) to excavate the tunnel. Bradshaw also installed soldier pile and lagging supported pits for jacking and receiving shafts. The major challenge met for the project was installing the 96” RCP to tight line and grade tolerances with water tight joints necessary for the coal conveyor installation and operation.



PROJECT INFORMATION - 398

OWNER:
The Architect of the Capitol
(202) 554-2326

ENGINEER:
RMF Engineering, Inc.
John Blakenship
(434) 295-9803

CONTRACTOR:
Hitt Contracting, Inc.

COMPLETION DATE:
4/22/2003

GEOLOGY:
Clay

EXCAVATION METHOD:
Akkerman TBM Digger Shield

MINING DIMENSIONS:
320' x 114"Ø

FINAL LINING:
96" Reinforced Concrete Pipe

FOR MORE INFORMATION:
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Refer to Project 398