Project Profile: SHAFT CONSTRUCTION

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

US Capitol Coal Handling System
Washington, DC

PROJECT OVERVIEW AND CHALLENGES

Bradshaw installed soldier pile and wood lagging supported pits for jacking drive and receiving shafts necessary to jack 320’ x 96” RCP coal conveyor tunnel. The jacking drive shaft was 31’ x 32’ x 30’ deep and the receiving shaft was 27’ x 29’ x 25’ deep. The major challenge was installing both shafts in close proximity to the existing coal transfer plant facilities and the I-695 bridge structure while not impacting them.

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:
Drilled Soldier Piles & Wood Lagging

MINING DIMENSIONS:
31' x 32' x 30VF & 27' x 29' x 25VF

FINAL LINING:
Concrete Cast In Place Structures

FOR MORE INFORMATION:
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Refer to Project 398