Project Profile: HAND TUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Holy Cross Hospital-Silver Spring-Phase 1B
Silver Spring, MD



PROJECT OVERVIEW AND CHALLENGES

Bradshaw constructed a 48 inch by 48 inch (ID) wood box tunnel under the loading dock for the Holy Cross Hospital in Silver Spring. MD. The over all project was to expand the campus to include a new patient tower for 150 new private patient rooms, a four-level parking garage expansion to accommodate an additional 300 parking spaces, and the central utility plant serving the existing campus required replacing/expanding. For the replacement and expansion of the utility plant, a wood box tunnel was mined by hand, with the ground primarily consisting of decomposed/weathered rock.





PROJECT INFORMATION - 522

OWNER:
Holy Cross Hospital
(301) 754-7000

ENGINEER:
Loiderman Soltesz Associates
(301) 948-2750

CONTRACTOR:
Southland Industries

COMPLETION DATE:
12/11/2012

GEOLOGY:
100% Rock

EXCAVATION METHOD:
Hand Mine

MINING DIMENSIONS:
40' x 48" x 48"

FINAL LINING:
48" x 48" Wood Box

FOR MORE INFORMATION:
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Refer to Project 522