

Appalachian State Steam Tunnel Boone, NC



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction Corporation successfully installed 220' of 84" RCP to act as a steam tunnel for the Appalachian State University. This was achieved by utilizing a 101.5" Lovat TBM capable of mining through hard rock conditions. The pipe was jacked directly behind the TBM. Soil conditions consisted of hard biotite gneiss rock.





PROJECT INFORMATION - 479

OWNER:

Appalachian State University Patrick Brittain, Assistant Director 828.262.3190 brittainps@appstate.edu

ENGINEER: RMF Engineering Ken Balenske, Vice President 410.576.0505 balenske@rmf.com

CONTRACTOR: Crowder Construction Company

COMPLETION DATE: 10/2/2009

GEOLOGY: Hard Biotite Gneiss Rock

EXCAVATION METHOD: Lovat TBM: 101.5" Ø

MINING DIMENSIONS: 220' x 101.5" Ø

FINAL LINING: RCP, 84" Ø

FOR MORE INFORMATION:

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