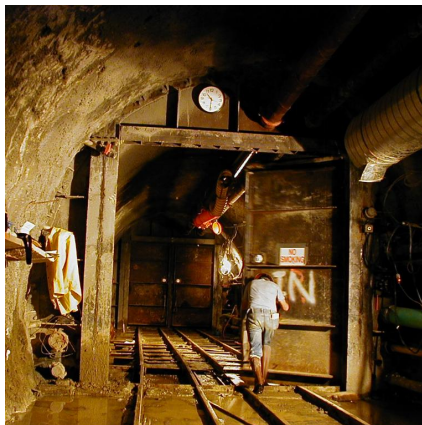


Orme Street Combined Trunk Relief Sewer - Phase 3 Atlanta, GA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction Corporation built the first ever NATM tunnel that utilized compressed air in North America. The project involved the connection of two existing 7' diameter combined sewers to a new 12' diameter relief sewer. Connections were made at seven locations, along a 2,300' alignment in downtown Atlanta. The alignment was enveloped by adjacent structures and utilities. The project was constructed below the groundwater table through compressible residual soil, rock, and mixed face conditions. Our team employed a myriad of construction techniques, including compressed air, ground water recharge, and jet grouting. Several design and alignment changes and accommodations for existing utilities were made during construction.



PROJECT INFORMATION - 361

OWNER:

City of Atlanta
Calvin Woolson
Construction Manager
770.480.0111
cwoolson@ch2m.com

ENGINEER:

WL Jordan
Ken Denton
678.420.5400
kdenton@hdrinc.com

CONTRACTOR:

Bradshaw Construction Company

CONTRACT VALUE:

\$22,950,000

COMPLETION DATE:

2/28/2002

GEOLOGY:

Rock, Residual Soils, Partially
Weathered Rock

EXCAVATION METHOD:

SEM

MINING DIMENSIONS:

2,300' x 14' x 16'

FINAL LINING:

11' x 12' Cast-in-Place Horseshoe
Shaped Pipeline

FOR MORE INFORMATION:

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Refer to Project 361