Project Profile: SHAFT CONSTRUCTION

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Belmont North Relief Interceptor - Section 1
Indianapolis, IN



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 5,200' of 72" reinforced concrete pipe for a sanitary sewer relief interceptor. 4,000' of pipe was installed by microtunneling through sand with cobbles and boulders and glacial till below the groundwater table at an average depth of 30'. The microtunneling was accomplished in six segments, the longest being 1,150' long using three intermediate jacking stations. Nine access shafts were constructed from steel ribs and liner plates ranging from 26 to 43' in diameter. We completed nine cast-in-place concrete structures and tie-ins to active 42, 54, and 78" sewers. The project was finished with a few minor change orders for structure relocations, additional MOT, paving, and restoration.





PROJECT INFORMATION - 480

OWNER:
Consolidated City of Indianapolis
Department of Public Works
Timothy Shutters
317.327.8988
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ENGINEER:
Clark Dietz Engineers
John Dufek, PE
317.808.3141
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CONTRACTOR:
Bradshaw Construction Corporation

CONTRACT VALUE:
$18,650,000

COMPLETION DATE:
5/31/2011

GEOLOGY:
Sand, Gravel, Boulder, Glacial Till

EXCAVATION METHOD:
Hydraulic Excavator
Mini Excavator

MINING DIMENSIONS:
26' to 43' Ø x 30' Deep

FINAL LINING:
Steel Ribs, Lagging & Liner Plate

FOR MORE INFORMATION:
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Refer to Project 480