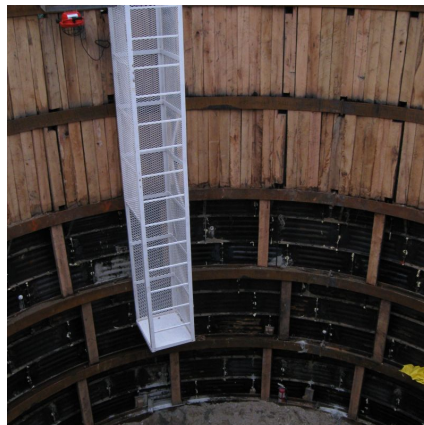


## Belmont North Relief Interceptor - Section 1 Indianapolis, IN



### 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  
timothy.shutters@indy.gov

#### ENGINEER:

Clark Dietz Engineers  
John Dufek, PE  
317.808.3141  
john.dufek@clark-dietz.com

#### 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:

Todd Brown, Project Manager  
410.970.8300  
tbrown@bradshawcc.com  
Refer to Project 480