

## Little Patuxent Parallel Interceptor Sewers 2 Columbia, MD



### PROJECT OVERVIEW AND CHALLENGES

This project involved the construction of two tunnels, totaling 450'. The tunnels passed under Maryland State and Howard County roads on three phases of Howard County's Little Patuxent Parallel Interceptor project. 59" of jacked steel casing was used to install 42" fiberglass reinforced carrier pipe for a gravity sewer. Subsurface conditions ranged from alluvial deposits of gravel and cobbles to residual soils to mixed face conditions to 25,000+ psi rock. The tunnels were below the groundwater table.



### PROJECT INFORMATION - 487

#### OWNER:

Howard County  
Wes Daub, Engineer  
410.313.6194

#### ENGINEER:

PHR&A  
Grahame Lake  
(410) 997-8900

#### CONTRACTOR:

American Infrastructure

#### COMPLETION DATE:

3/5/2010

#### GEOLOGY:

Residual Soils, Alluvium, Boulders,  
Cobbles, Gravel

#### EXCAVATION METHOD:

Herrenknecht AVN-1200 MTBM

#### MINING DIMENSIONS:

275'x 59" & 175' x 59" Ø

#### FINAL LINING:

42" Fiber Reinforced Pipe

#### FOR MORE INFORMATION:

Eric Eisold, Area Manager  
(410) 970-8300  
eeisold@bradshawcc.com  
Refer to Project 487