

## Western Area Trunk Sewer Richmond, VA



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw has completed microtunneling 532' of 60" steel casing under I-64, a six-lane divided highway northwest of Richmond, VA for a 30" DIP gravity sewer. Henrico County (Owner) contracted AECOM (Engineer) and Gaston Brothers Utilities, LLC (General Contractor) to construct the project, with Bradshaw being selected as microtunneling subcontractor. The 60" MTBM used was a model AVN-1200 manufactured by Herrenknecht. Tunnel depths ranged from 12' to 32' below the surface, with the biggest challenge being the ground conditions which transitioned from sandstone, to gravel, to clayey sand below the water table.



### PROJECT INFORMATION - 583

#### OWNER:

Henrico County  
Dept of Public Utilities  
Jason Garofalo  
804-501-4000  
gar097@henrico.us

#### ENGINEER:

AECOM  
Stephen Crowe  
804-515-8300  
stephen.crowe@aecom.com

#### CONTRACTOR:

Gaston Brothers Utilities, LLC

#### COMPLETION DATE:

10/12/2018

#### GEOLOGY:

Sandstone, Gravel, Clayey Sand

#### EXCAVATION METHOD:

Herrenknecht AVN-1200 MTBM

#### MINING DIMENSIONS:

532' x 60" Ø

#### FINAL LINING:

30" Ductile Iron Pipe

#### FOR MORE INFORMATION:

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Refer to Project 583