

## College Drive Waterline Phase II Suffolk, VA



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction microtunnelled a single 370 linear feet drive of 30 inch steel casing under I-664 in Suffolk, VA. The subsurface conditions consisted of loose clayey & silty sands (SC & SM) below the groundwater table. Settlement was less than an 1/8 of an inch. Bradshaw installed a 16 inch restrained joint ductile iron pipe for a water main inside the jacked casing. Since this was a single drive, the greatest challenge was the 24x7 tunneling schedule required by the Owner to minimize potential impact to highway operations and the public.



### PROJECT INFORMATION - 547

#### OWNER:

City of Suffolk  
Adam James  
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#### ENGINEER:

Dewberry Engineers, Inc.  
Scott Funk  
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#### CONTRACTOR:

Branscome, Inc

#### COMPLETION DATE:

4/24/2015

#### GEOLOGY:

Loose Clayey, Silty Sands

#### EXCAVATION METHOD:

Herrenknecht AVN-600 MTBM

#### MINING DIMENSIONS:

370' x 30" Ø

#### FINAL LINING:

16" Ductile Iron Pipe

#### FOR MORE INFORMATION:

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Refer to Project 547