

## 11th Street Corridor CSO Diversion Washington, DC



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw direct jacked 386 linear feet of 54" reinforced concrete pipe via conventional TBM in two (2) drives, as part of the 11th Street Bridge project in Washington, DC. One drive was mined under I-295, while the other was under an SME wall for the new bridge. Ground conditions were primarily soft, wet silt, sand & clay; however, obstacles such as a large layer of river gravel and buried logs were also encountered and overcome.



### PROJECT INFORMATION - 516

#### OWNER:

District of Columbia  
Water & Sewer Authority  
John Beasley  
(202) 787-4240

#### ENGINEER:

Greeley and Hansen  
John Cassidy  
(703) 922-4516

#### CONTRACTOR:

Skanska / Facchina JV

#### COMPLETION DATE:

10/10/2012

#### GEOLOGY:

Clayey/Silty Sand

#### EXCAVATION METHOD:

Akkerman 540 TBM

#### MINING DIMENSIONS:

386' x 66" Ø

#### FINAL LINING:

54" Reinforced Concrete Pipe

#### FOR MORE INFORMATION:

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Refer to Project 516