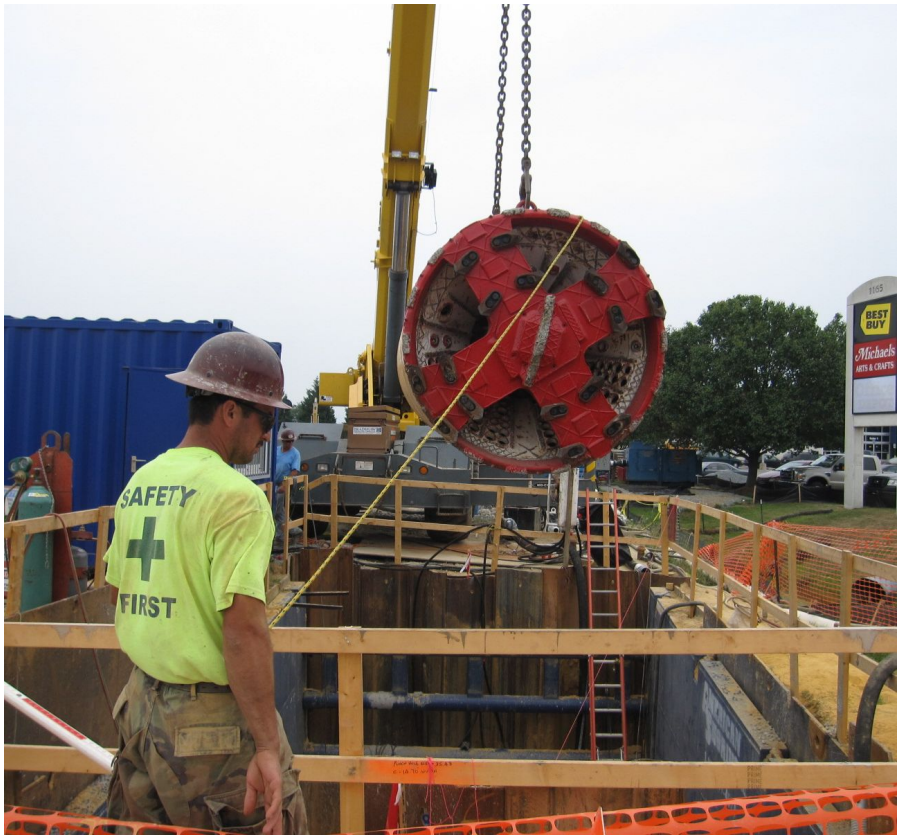
Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Route 13 Interceptor
Dover, DE



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction completed two tunnels of 50" steel casing totaling 291' in Dover, DE. The steel casing was installed by microtunneling and used for 24" and 27" PVC sanitary sewer. There were two main challenges for the project. The greatest challenge was retrofitting a jacking shaft meant for auger-boring to suit the needs of slurry microtunneling. To do this, our crew formed and poured four concrete walls on top of the work slab. This sealed the existing trench box shaft preventing the pressurized slurry from blowing back into the shaft. The other challenge on this project was the relatively busy, conspicuous and populated environment that the project took place. Our crew battled theft and vandalism throughout the project. Several items stolen were to have been little value to whomever took them, but were of great expense to us.





PROJECT INFORMATION - 492

OWNER:
City of Dover
Public Utilities Department
(302) 736-7089

ENGINEER:
KCI Technologies, Inc.
(302)731-9176

CONTRACTOR:
Eastern States Construction

COMPLETION DATE:
8/11/2010

GEOLOGY:
Clayey Sand

EXCAVATION METHOD:
Herrenknecht AVN-1000 MTBM

MINING DIMENSIONS:
140' x 50" & 99' x 50" Ø

FINAL LINING:
24" Polyvinyl Chloride Pipe
27" Polyvinyl Chloride Pipe

FOR MORE INFORMATION:
Mike Wanhatalo, Project Engineer/Estimator
410-970-8307
mwanhatalo@bradshawcc.com
Refer to Project 492