

## Elizabethtown Tunnel South Bound Brook, NJ



### PROJECT OVERVIEW AND CHALLENGES

The Elizabethtown project highlights Bradshaw's ability to quickly adapt to major problems in an efficient, expedient manner. A special head was fabricated specifically for this project, based upon the unique conditions indicated by the boring logs. However, the head proved ineffective. Our fabrication department modified the head, and anticipated production rates returned to the expected amount. Utilizing a 101" diameter Lovat TBM, the 1,245' run was completed on schedule.



### PROJECT INFORMATION - 418

#### OWNER:

Elizabethtown Water Co.  
(now NJ American Water)  
Mike Wolan  
908.431.3225

#### ENGINEER:

Hatch, Mott, & MacDonald  
310.610.9594

#### CONTRACTOR:

Spiniello Construction Co.

#### COMPLETION DATE:

6/30/2004

#### GEOLOGY:

Shale

#### EXCAVATION METHOD:

Lovat TBM, 101" Ø

#### MINING DIMENSIONS:

1,245' x 101" Ø

#### FINAL LINING:

One Pass Steel Pipe, 72" Ø

#### FOR MORE INFORMATION:

Eric Eisold, Vice President  
410.970.8300  
eeisold@bradshawcc.com  
Refer to Project 418