

## I-64 & Grinstead CSO Trenchless Sewer Installation Project Louisville , Kentucky



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction Corporation completed constructing a CSO interceptor tunnel in Louisville, KY. The 1,252' rib-and-board tunnel was installed behind a 102.5" LOVAT ME-99RL Series 11700 TBM. Mining progressed through an s-curve on twin 2,300' radius curves through 900' of sticky clay and 350' of weathered limestone, and 81" FRP was installed and backfilled. The project members included the Louisville and Jefferson County Metropolitan Sewer District (Owner), Qk4 (Engineer) and Bradshaw Construction performing as the General Contractor.



### PROJECT INFORMATION - 593

#### OWNER:

Louisville & Jefferson County  
Metropolitan Sewer District  
Brandon Flaherty, P.E.  
brandon.flaherty@louisvillemtd.org

#### ENGINEER:

Qk4, Inc.  
Neal Crawford, P.E.  
ncrawford@qk4.com

#### CONTRACTOR:

Bradshaw Construction Corporation

#### CONTRACT VALUE:

\$4,209,304.68

#### COMPLETION DATE:

1/25/2020

#### GEOLOGY:

Clay & Limestone

#### EXCAVATION METHOD:

LOVAT ME-99RL Series 11700 TBM

#### MINING DIMENSIONS:

1252' x 102.50" Ø

#### FINAL LINING:

81" Fiberglass Reinforced Pipe

#### FOR MORE INFORMATION:

Jordan Bradshaw, Project Manager  
(410) 970-8300  
jbradshaw@bradsawcc.com  
Refer to Project 593