Project Profile: TBM TUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

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@louisvillemsd.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:
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Refer to Project 593