

# CASE STUDY

## PIPE JACKING & UTILITY TUNNELING | SHIELD TUNNELING



**Project Name:**  
Lower Pogues Run Project

**Subcontractor:**  
Midwest Mole, Inc.

**Location:**  
Greenfield, IN

**Owner:**  
Citizens Energy Group

**Ground Conditions:**  
Sand and clay

**Akkerman Equipment:**  
EBS 1080, EX 50, Tunnel Boring System,  
1548 Haul Unit

**Pipe:**  
124-in. ID Rib and Board Tunnel,  
96-in. ID Hobas®

**Total Length/Longest:**  
470-lf./470-lf.

### PROJECT OVERVIEW

The Lower Pogues Run Project was part of a combined sewer overflow initiative constructed through downtown Indianapolis. The project's general contractor was F.A. Wilhelm Construction. Midwest Mole, Inc. was selected as subcontractor to construct a 470-lf., 124-in. ID ring beam and lagging tunnel threaded with 96-in. Hobas®.

The Lower Pogues Run Project, in combination with other improvements in the area, would achieve 95 percent combined sewer overflow capture and limit overflow into White River and Eagle Creek.



### THE CHALLENGES

- Adjacent to I-70
- 30-ft. depths
- Unstable soil conditions

### THE SOLUTION

The Excavator Boring Shield allows the contractor to have full control over excavation at the face, plus the ability to extrude large boulders or other obstacles as needed.

### OUTCOME

- Successful installation with no disruption to a traffic along I-70
- Reduced threat to public health and environment