



**MIDWEST
MOLE**
TRENCHLESS SPECIALIST

Indianapolis, Indiana
www.midwestmole.com

Purdue Geotechnical Society Workshop Program

DIGGING DEEP

April 8, 2011

Presented By: Daniel L. Liotti P.E.

Small Diameter Rock Tunneling

**New Technology for Trenchless Installations of
Small Diameter Utilities**

Clermont County, OH Water Resources Shayler Run Sewer Replacement

9,400 LF of 72" Tunnel for a 42"
Hobas Sewer pipe

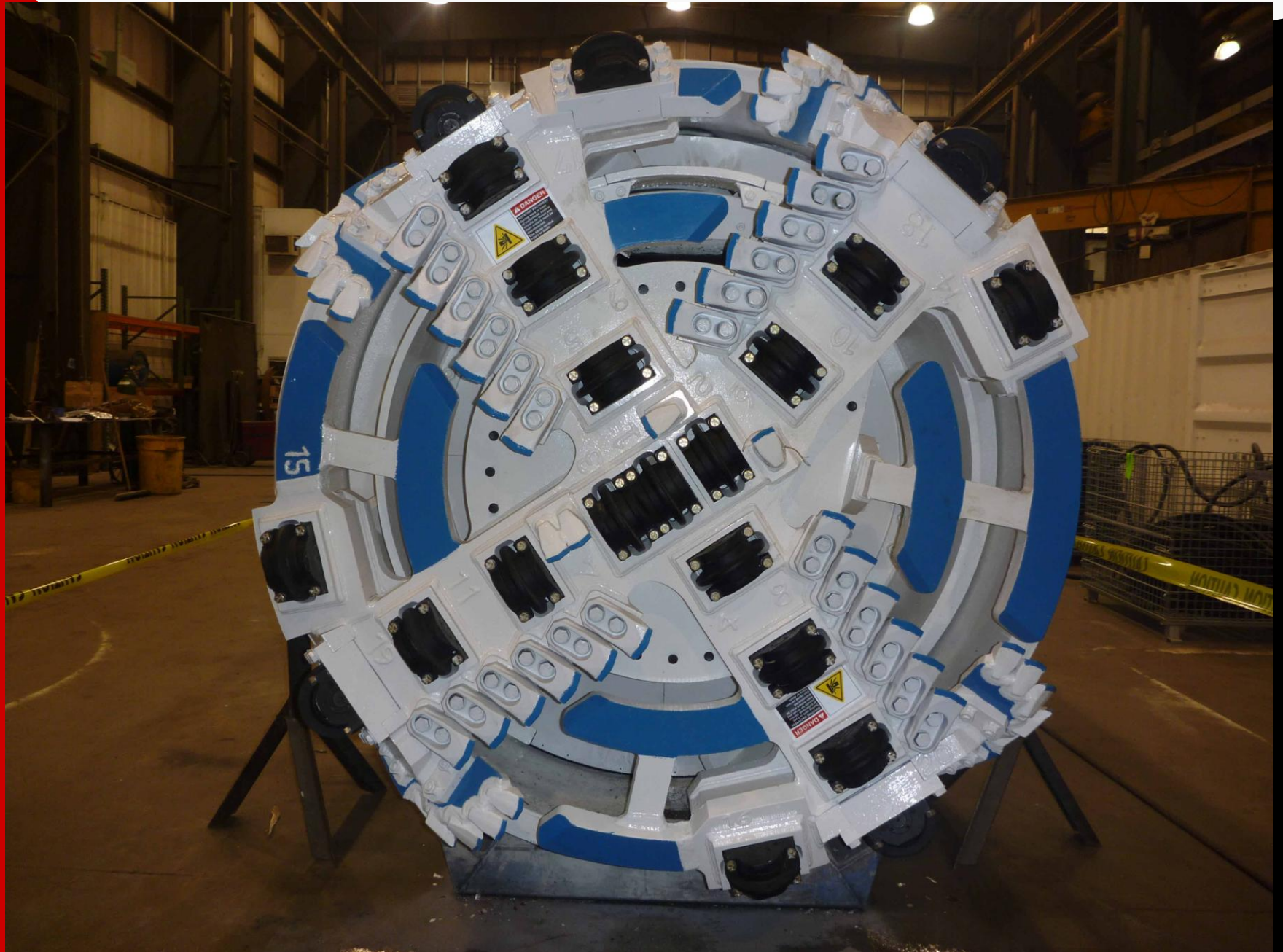
8 Shafts - 25' to 80' deep

2,000' longest Run



















Highland Acres Sewer Project Boone Co., KY

World Record Crossing of 509' of 18" HDPE
Pipe in Layered Shale Limestone

Utilizing the Vermeer Axis System





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5/21/15



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