

**INSPECTION GUIDE FOR
HORIZONTAL AUGER BORING**

October, 2006

PRE-INSPECTION REVIEW

Obtain and review a copy of the issued permit including all attachments.

- Review geotechnical and soil reports.
- Note location of other utility and/or MDOT facilities with respect to the proposed casing alignment.
- Note the minimum cover above the top of the pipe is _____ feet.
- Note proposed pipe characteristics:
Casing material _____ STEEL ONLY ,
Casing diameter _____ inches,
Casing wall thickness _____ inches,
Spacer material _____,
Spacer spacing _____,
Carrier material _____,
Carrier diameter _____ inches.
- Review job site layout including: distance from access pits to roadway, proposed sheeting and bracing, materials storage and fabrication area, safety devices (barrels, guardrail etc.), and dewatering pit locations.
- Note unique or special items /circumstances: _____

CONSTRUCTION INSPECTION

- Verify traffic control is consistent with the permit requirements, MISS DIG has been contacted, and the MDOT permit is on-site.
- Verify dewatering effort is satisfactory.
- Verify jobsite layout is consistent with the approved plans, especially the alignment of the pipe and boring equipment.

- Verify pipe characteristics are consistent with permit requirements.
- Verify sufficient lubrication fluid quantity is used, and a lubrication system properly injects lubricant on the outside of the casing pipe.
- Verify cutterhead does not protrude beyond the leading edge of the casing pipe. However, if the casing pipe advancement is halted, the cutterhead may protrude, but not more than 3 inches beyond the leading edge.
- Verify continuous monitoring records indicate bearing and grade of the leading edge of the pipe is consistent with the approved plans.
- Utilize Permit Inspector's Daily Report, form 2228, to document subsequent daily work activities.
- At the completion of the trenchless installation, ensure space between casing and carrier pipe is bulkheaded.

PERMIT NO.	
INSPECTOR	DATE