

# Horizontal Directional Drilling (HDD) Bore Plan Template

Failure to provide all requested information will cause a delay in processing your request.

## Bore Pipe Information:

Pipe Size (O.D.): \_\_\_\_\_ Pipe Material & Grade: \_\_\_\_\_ Weight of Pipe (lb/ft): \_\_\_\_\_  
(Outside Diameter) HDPE must be grade SDR 11 or better (thicker wall)

Maximum size of bore hole: \_\_\_\_\_" Number and Diameter of back reams: \_\_\_\_\_  
\*\*\*The maximum size of the bore hole may not exceed Outside Diameter (O.D.) x 1.5 if O.D. is 10" or less. If the O.D. is greater than 10", the bore hole may not exceed O.D. x 1.3 or O.D. + 12" whichever is less.

## Equipment Information:

Proposed Equipment (Brand/Model): \_\_\_\_\_

Method of Drilling Fluid Recovery: \_\_\_\_\_

Maximum Drilling Machine Pullback Capabilities: \_\_\_\_\_

Minimum Drilling RPM: \_\_\_\_\_ Maximum Drilling RPM: \_\_\_\_\_

Minimum Drilling PSI: \_\_\_\_\_ Maximum Drilling PSI: \_\_\_\_\_

Minimum Drilling GPM: \_\_\_\_\_ Maximum Drilling GPM: \_\_\_\_\_

Drilling Head Type: \_\_\_\_\_ Dia.: \_\_\_\_\_ in. Number/Size of Holes/Nozzles: \_\_\_\_\_

Back Reamer Head: Type: \_\_\_\_\_ Dia.: \_\_\_\_\_ in. Number/Size of Holes/Nozzles: \_\_\_\_\_

**Drilling Head Fluid Pressure:** Pilot Bore: \_\_\_\_\_ psi/min \_\_\_\_\_ psi/max \_\_\_\_\_ Operating psi

Back Ream: \_\_\_\_\_ psi/min \_\_\_\_\_ psi/max \_\_\_\_\_ Operating psi

**Anticipated Drilling Fluid Rate:** Pilot Bore: \_\_\_\_\_ gal/min Back Ream: \_\_\_\_\_ gal/min

**Geotechnical:** Soil Type: \_\_\_\_\_ Bearing Capacity: \_\_\_\_\_ psi

\*\*\*For bores 20" or larger; a soil boring geotechnical profile is required

**Design Information:** Entry Angle: \_\_\_\_\_ Exit Angle: \_\_\_\_\_ Depth: Base of rail to Top of Casing: \_\_\_\_\_

**We will adopt CSX Transportation's Fraction Mitigation Contingency Plan for Directional Drilling:** \_\_\_\_\_ (Y/N)

## NOTES:

- Once the bore enters CSXT property, the work must be continuous until the drilling is complete and the pipe is pulled in place.
- The bore must be tracked constantly, with the location and depth marked every 10 feet.
- All construction activities must comply with CSXT's Interim Guidelines for Horizontal Directional Drilling (HDD).
- The project must comply with all conditions, obligations, and additional safety precautions required by the local CSXT Division.
- Owner or Contractor shall give a minimum of Thirty (30) days advance notice to CSXT Representative for anticipated need for Flagging and Inspection service. No work shall be undertaken until the Flag Person(s) and Inspector(s) are at the job site.
- Drilling fluid with Bentonite additive is required.
- Dry Bores and Wet Bores (Jetting) are not allowed.