

Attachment 3-B: Typical Construction Equipment List¹

| Construction Activity | Type of Equipment | Estimated Number Required to Construct the Proposed Project | General Use |
|--|--------------------------|--|---|
| Mobilization | Flatbed Truck | 5 | Transport equipment |
| | Lowboy | 10 | Transport equipment |
| Right-of-Way (ROW) Preparation, Pipe Installation, Backfill, and Cleanup | Air Compressor | 38 | Power pneumatic tools |
| | Backhoe | 27 | Excavate the trench and backfill |
| | Bending Machine | 5 | Bend pipe |
| | Bulldozer | 3 | Site grading and clean-up |
| | Crane | 5 | Set valves |
| | Dump Truck | 86 | Haul spoil |
| | Excavator | 28 | Excavate the trench, lower pipe, and backfill |
| | Flatbed Truck | 38 | Transport construction materials |
| | Forklift | 5 | Lift construction materials |
| | Fuel Truck | 5 | Transport fuel/refuel equipment |
| | Generator | 10 | Provide/generate electricity to power equipment |
| | Hydroexcavator | 5 | Excavate the trench |
| | Lowboy | 5 | Transport equipment |
| | Mechanic Truck | 13 | Repair equipment as needed |
| | Pavement Saw | 8 | Cut pavement |
| Pick-up Truck | 68 | Transport workers and materials | |

¹ Equipment listed in this table has been generalized to provide a summary of the comprehensive equipment list that was used to analyze potential air, traffic, and noise impacts for the Pipeline Safety & Reliability Project (Proposed Project). The comprehensive equipment list, which includes the size and model, is provided in Section 4.3 Air Quality.

Attachment 3-B: Typical Construction Equipment List

| Construction Activity | Type of Equipment | Estimated Number Required to Construct the Proposed Project | General Use |
|---|-------------------|---|--|
| ROW Preparation, Pipe Installation, Backfill, and Cleanup (cont.) | Rock Drill | 5 | Drill rock to facilitate excavation of the trench |
| | Sandblaster | 5 | Clean the pipe/welds prior to coating |
| | Sideboom | 15 | Lower pipe |
| | Street Sweeper | 4 | Clean mud and debris from roadways |
| | Stringing Truck | 10 | Transport pipe to the ROW |
| | Water Truck | 20 | Dust control |
| | Welding Truck | 80 | Weld pipe |
| | Wheel Loader | 3 | Load material into dump trucks |
| Paving | Dump Truck | 16 | Transport asphalt |
| | Grinding Machine | 4 | Prepare asphalt for paving |
| | Paving Machine | 4 | Resurface roads following installation of the pipe |
| | Pick-up Truck | 8 | Transport workers and materials |
| | Steamroller | 4 | Resurface roads following installation of the pipe |
| | Street Sweeper | 4 | Clean mud and debris from roadways |
| Civil Work | Air Compressor | 5 | Power pneumatic tools |
| | Flatbed Truck | 5 | Transport construction materials |
| | Pick-up Truck | 5 | Transport workers and materials |
| Horizontal Bore | Air Compressor | 4 | Power pneumatic tools |
| | Boring Machine | 4 | Drill beneath roadways, sensitive resources, and/or existing utilities |
| | Crane | 4 | Lower the boring machine into the bore pit |
| | Flatbed Truck | 4 | Transport materials to the bore site |
| | Pick-up Truck | 4 | Transport workers and material |

| Construction Activity | Type of Equipment | Estimated Number Required to Construct the Proposed Project | General Use |
|------------------------------------|-------------------|---|--|
| Horizontal Bore (cont.) | Sandblaster | 4 | Clean the pipe/welds prior to coating |
| | Welding Truck | 16 | Weld pipe |
| Horizontal Directional Drill (HDD) | Crane | 3 | Lift materials and equipment at the HDD site |
| | Forklift | 3 | Lift pallets of bentonite and other materials |
| | Generator | 3 | Provide/generate electricity to power equipment |
| | HDD Drill Rig | 3 | Turn drill stems during the HDD process |
| | Light Tower | 12 | Provide light for night work |
| | Mud Pump (HDD) | 6 | Pump mud into the drill stems and returns into the mud pit |
| | Pick-up Truck | 3 | Transport workers and materials |
| | Water Pump | 6 | Pump water used for mixing mud |
| | Water Truck | 3 | Dust control and transport water needed to mix mud |
| Hydrotest | Air Compressor | 2 | Power pneumatic tools |
| | Crane | 1 | Lift pig launchers and receivers |
| | Flatbed Truck | 2 | Transport materials to hydrotest sites |
| | Pick-up Truck | 2 | Transport workers and materials |
| | Sideboom | 2 | Lift pipe and facilitate welding operations during set-up and dismantling of hydrotest equipment |
| | Water Pump | 2 | Fill pipe |
| | Welding Truck | 8 | Weld pig launchers and receivers and hydrotest equipment |
| Demobilize | Flatbed Truck | 5 | Transport materials |
| | Lowboy | 10 | Transport equipment |