

Exhibit V: Response to 1.4.12-1
Typical Construction Equipment Noise Levels

Type of Equipment	General Use	Lmax DBA at 50 feet
Air Compressor	Power pneumatic tools	78
Backhoe	Excavate the trench and backfill	78
Bending Machine	Bend pipe	80
Boring Machine	Drill beneath roadways, sensitive resources, and/or existing utilities	83
Bulldozer	Site grading and clean-up	82
Crane	Set valves	81
Dump Truck	Haul spoil	76
Excavator	Excavate the trench, lower pipe, and backfill	81
Flatbed Truck	Transport equipment	75
Forklift	Lift construction materials	76
Fuel Truck	Transport fuel/refuel equipment	75
Generator	Provide/generate electricity to power equipment	81
Grinding Machine	Prepare asphalt for paving	85
HDD Drill Rig	Turn drill stems during the HDD process	82
Hydroexcavator	Excavate the trench	82
Light Tower	Provide light for night work	81
Lowboy	Transport equipment	84
Mechanic Truck	Repair equipment as needed	75
Mud Pump (HDD)	Pump mud into the drill stems and returns into the mud pit	81
Pavement Saw	Cut pavement	90

Type of Equipment	General Use	Lmax DBA at 50 feet
Paving Machine	Resurface roads following installation of the pipe	77
Pick-up Truck	Transport workers and materials	75
Rock Drill	Drill rock to facilitate excavation of the trench	81
Sandblaster	Clean the pipe/welds prior to coating	96
Sideboom	Lower pipe	81
Steamroller	Resurface roads following installation of the pipe	74
Street Sweeper	Clean mud and debris from roadways	82
Stringing Truck	Transport pipe to the ROW	76
Water Truck	Dust control	75
Welding Truck	Weld pipe	75
Wheel Loader	Load material into dump trucks	81

Source: Federal Highway Administration, *Construction Noise Handbook*, August 2006.