

Appendices





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Appendix A

Sound Power Level of Northern Corridor Improvement Construction Activities



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Activity	Plant type	Sound power level (dB L _{WA})
Earthworks, cuts and fills	Dump truck	106
	Hydraulic excavator	113
	Bulldozer	114
	Compactor	112
	Grader	110
	Water truck	105
Bridge foundations (piling)	Rotary bored piling rig	111
	Concrete trucks	107
Concrete foundations and structures	Crane	106
	Concrete pump	100
	Vibratory pokers	114
	Concrete trucks	107
Precast bridge construction, lifting, etc.	Straddle Carrier	102
	Low Loader	107
	Launching Gantry	85
	Crane	106
	Hydraulics	107
	Concrete pump	102
	Concrete vibrators	115
	Segment carrier	100
	On road trucks	100
	Concrete trucks	107
Retaining Wall Construction (MSA and L-shaped walls)	Concrete trucks	107
	Crane	106
	On road trucks	100
Retaining Wall Construction (Drilled rock anchor walls)	Drilling rig	120
	Concrete trucks	107
	Crane	106
	On road trucks	100
Rammed Pile Walls or Vibropiled Walls	Vibration piling rig	120
	Rammed pile rig	120



	Rotary Piling Rig	111
	Concrete trucks	107
	Crane	106
	On road trucks	100
Pavement preparation	Grader	110
	Dozer	114
	Vibratory roller	108
	Water trucks	105
Surfacing	Paver	113
	Road rollers	106
	Asphalt delivery trucks	108
Yard activities	Vehicle movements	102
	Material handling	105
	Minor Earthworks	110
	Administration area	50
	Workshop	80