



West Winch Housing Access Road

Environmental Statement Chapter 10: Noise and Vibration: Appendix 3: Construction Plant

Author: WSP

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1 Construction Plant

Table 1.1 – Assumed plant details –Site clearance and earthworks

Plant item	Number	Sound pressure level, L _{PA} at 10m (dB)	BS5228 Data source	On-time %
Excavator	4	79	C.02 #14	75
Dozer	2	81	C.02 #12	75
Dumper truck	3	79	C.02 #30	75
Roller	2	78	C.05 #20	75

Table 1.2 – Assumed plant details – Structure (bridge) construction

Plant item	Number	Sound pressure level, L _{PA} at 10m (dB)	BS5228 Data source	On-time %
Excavator	4	74	C.05 #35	50
Dozer	2	77	C.05 #12	20
Dumper truck	3	79	C.02 #30	100
Roller	2	75	C.05 #20	50
Crane	1	71	C.04 #50	20
Concrete pump	1	78	C.04 #32	5
Piling rig	1	83	C.03 #14	50



Table 1.3 – Assumed plant details – Road construction

Plant item	Number	Sound pressure level, L_{PA} at 10m	BS5228 Data source	On-time
Excavator	4	74	C.05 #35	50
Dozer	2	77	C.05 #12	20
Dumper truck	3	79	C.02 #30	100
Roller	2	75	C.05 #20	50
Asphalt paver	2	75	C.05 #30	50