

Appendix 12.6

Construction Noise Prediction Results

Construction Activity Noise Predictions

Receptor ID	Receptor	Predicted construction noise level for phase ref. (see bottom of table for key), dB L _{Aeq,T} freefield						No. of LOAEL exceedances (>65)	No. of SOAEL exceedances (>75)
		1	2	3	4	5	6		
R01	Billingley Green Lane	56	55	55	36	45	48	0	0
R02	Rose Valley Cottage	63	63	63	44	53	58	0	0
R03	Woodbine	68	68	68	45	58	48	3	0
R04	Highgate House	59	59	59	41	49	54	0	0
R05	Holly Grove	51	50	50	34	41	42	0	0
R06	Highgate Court	47	46	46	31	37	38	0	0
R07	Carr Field Lane	50	49	49	32	41	35	0	0
R08	Heather Garth School	63	63	63	46	53	35	0	0
R9	Billingley View	68	68	68	51	57	35	3	0
R10a	Lacewood School North	68	68	68	50	58	37	3	0
R10b	Lacewood School South	62	62	62	45	52	34	0	0
R11	Maori Ave	48	47	47	32	38	32	0	0
R12	Country Park	49	48	48	31	39	33	0	0

Construction phase references:
1: Site Preparation, Access Road Construction and Enabling Works
2: Excavation and Sub-Structure Works
3: Drainage works
4: Construction of Superstructure
5: Landscaping
6: Offsite Roads

Construction Road Traffic Noise Predictions

Receptor ID	Receptor	Predicted construction road traffic noise level, dB L _{A10,18hr} freefield		Change, dB (DM to DS)	Magnitude of impact	Significant effect indicated?
		DM scenario ¹	DS scenario ²			
R01	Billingley Green Lane	58.1	58.2	+0.1	Negligible	No
R02	Rose Valley Cottage	73.0	73.2	+0.2	Negligible	No
R03	Woodbine	71.0	71.2	+0.2	Negligible	No
R04	Highgate House	63.2	63.3	+0.1	Negligible	No
R05	Holly Grove	61.6	61.6	0.0	No change	No

¹ Do-minimum scenario, 2025, i.e., future baseline traffic flows not including traffic associated with the Development

² Do-something scenario, 2025, i.e., future baseline traffic flows plus construction traffic associated with the Development for peak year of construction