

Appendix 12.8

Operational On-site HGV Activity Noise Prediction Results

Table 1: Operational On-site HGV Activity Noise Prediction Results – Day – no additional mitigation

Receptor ID	Receptor	Predicted on-site HGV activity noise, dB LAeq,1hr	Typical background sound level, dB LA90,15min	Rating correction, dB	Rating level, dB LAr,Tr	Rating - Background	Sensitivity test (ST) background sound level, dB LA90,15min	Rating - ST Background
R01	Billingley Green Lane	36	45	0	36	-9	41	-5
R02	Rose Valley Cottage	38	52	0	38	-14	48	-10
R03	Woodbine	39	52	0	39	-13	48	-9
R04	Highgate House	39	43	0	39	-4	-	-
R05	Holly Grove	31	38	0	31	-7	-	-
R06	Highgate Court	32	38	0	32	-6	-	-
R07	Carr Field Lane	32	35	0	32	-3	-	-
R08	Heather Garth School	33	35	0	33	-2	-	-
R09	Billingley View	31	35	0	31	-4	-	-
R10a	Lacewood School North	36	35	+3	39	+4	-	-
R10b	Lacewood School South	34	35	0	34	-1	-	-
R11	Maori Ave	29	35	0	29	-6	-	-
R12	Country Park	33	35	0	33	-2	-	-

Table 2: Operational On-site HGV Activity Noise Prediction Results – Night – no additional mitigation

Receptor ID	Receptor	Predicted on-site HGV activity noise, dB LAeq,15min	Typical background sound level, dB LA90,15min	Rating correction, dB	Rating level, dB LAr,Tr	Rating - Background	Sensitivity test (ST) background sound level, dB LA90,15min	Rating - ST Background
R01	Billingley Green Lane	35	38	0	35	-3	-	-
R02	Rose Valley Cottage	39	38	+3	42	+4	-	-
R03	Woodbine	41	38	+3	44	+6	-	-
R04	Highgate House	39	38	+3	42	+4	-	-
R05	Holly Grove	30	40	0	30	-10	37	-7
R06	Highgate Court	32	40	0	32	-8	37	-5
R07	Carr Field Lane	32	34	0	32	-2	-	-
R09	Billingley View	29	34	0	29	-5	-	-
R11	Maori Ave	29	34	0	29	-5	-	-

Table 3: Operational On-site Individual Noise Event Prediction Results – Night – no additional mitigation

Receptor ID	Receptor	Predicted individual noise event level, dB LAFmax freefield
R01	Billingley Green Lane	50
R02	Rose Valley Cottage	54
R03	Woodbine	55
R04	Highgate House	54
R05	Holly Grove	46
R06	Highgate Court	48
R07	Carr Field Lane	46
R09	Billingley View	39
R11	Maori Ave	37

Table 4: Operational On-site HGV Activity Noise Prediction Results – Day – 5 m high barrier to north of Plot 1 (see ES Noise Chapter)

Receptor ID	Receptor	Predicted on-site HGV activity noise, dB LAeq,1hr	Typical background sound level, dB LA90,15min	Rating correction, dB	Rating level, dB LAr,Tr	Rating - Background	Sensitivity test (ST) background sound level, dB LA90,15min	Rating - ST Background
R01	Billingley Green Lane	34	45	0	34	-11	41	-7
R02	Rose Valley Cottage	36	52	0	36	-16	48	-12
R03	Woodbine	36	52	0	36	-16	48	-12
R04	Highgate House	38	43	0	38	-5	-	-
R05	Holly Grove	31	38	0	31	-7	-	-
R06	Highgate Court	32	38	0	32	-6	-	-
R07	Carr Field Lane	32	35	0	32	-3	-	-
R08	Heather Garth School	33	35	0	33	-2	-	-
R09	Billingley View	31	35	0	31	-4	-	-
R10a	Lacewood School North	36	35	+3	39	+4	-	-
R10b	Lacewood School South	34	35	0	34	-1	-	-
R11	Maori Ave	29	35	0	29	-6	-	-
R12	Country Park	33	35	0	33	-2	-	-

Table 5: Operational On-site HGV Activity Noise Prediction Results – Night – 5 m high barrier to north of Plot 1 (see ES Noise Chapter)

Receptor ID	Receptor	Predicted on-site HGV activity noise, dB L _{Aeq,15min}	Typical background sound level, dB L _{A90,15min}	Rating correction, dB	Rating level, dB L _{Ar,Tr}	Rating - Background	Sensitivity test (ST) background sound level, dB L _{A90,15min}	Rating - ST Background
R01	Billingley Green Lane	34	38	0	34	-4	-	-
R02	Rose Valley Cottage	36	38	0	36	-2	-	-
R03	Woodbine	36	38	0	36	-2	-	-
R04	Highgate House	39	38	+3	42	+4	-	-
R05	Holly Grove	30	40	0	30	-10	37	-7
R06	Highgate Court	32	40	0	32	-8	37	-5
R07	Carr Field Lane	32	34	0	32	-2	-	-
R09	Billingley View	29	34	0	29	-5	-	-
R11	Maori Ave	29	34	0	29	-5	-	-

Table 6: Operational On-site Individual Noise Event Prediction Results – Night – 5 m high barrier to north of Plot 1 (see ES Noise Chapter)

Receptor ID	Receptor	Predicted individual noise event level, dB L _{AFmax} freefield
R01	Billingley Green Lane	46
R02	Rose Valley Cottage	50
R03	Woodbine	48
R04	Highgate House	54
R05	Holly Grove	46
R06	Highgate Court	48
R07	Carr Field Lane	46
R09	Billingley View	39
R11	Maori Ave	37