

APPENDIX 9.2 CONSTRUCTION NOISE ASSESSMENT FOR HIGHFIELDS FARM

Stansted G2 Airport Second Tunnel Scheme
 Construction noise assessment, Tye Green Portal and Track Works
 Job No. JAE 3636

			Approx Duration	Total LAeq @ 10m	Daily HGV flow	Distance /m	Barrier atten /dB	Dist atten /dB	Soft ground /dB	LAeq /dB	Total Construction LAeq /dB	Ambient LAeq /dB	Constr + Ambient LAeq /dB	Significant Effect
Site Establishment and Mobilisation	CONS6430	Site Establishment (Tye Green - London End)	20 days	79.7		160	-5	-24.1	-28.1	50.6	50.8	63.0	63.3	No
					4	75	0	-8.8		37.7				
Second Airport Tunnel Construction Activities	CONS2810	Tye Green (London End) Portal Construction Works	65 days	82.9		160	-5	-24.1	-28.1	53.8	54.2	63.0	63.5	No
					15	75	0	-8.8		43.6				
Civils - New Tunnel Excavation	CONS2890	Disassembly of TBM	20 days	75.6		160	-5	-24.1	-28.1	46.5	47.5	63.0	63.1	No
					7	75	0	-8.8		40.5				
Tye Green Portal and Track Works	R1	Up Embankment Earthworks	10 weeks	83.6		200	-5	-26.0	-30.5	52.5	52.5	63.0	63.4	No
	R2	Replacement of Down Track (Green zone working)	5 weeks	89.0		160	-5	-24.1	-28.1	59.9	59.9	63.0	64.7	No
	R2 + R3	Down Embankment Earthworks	10 weeks	84.6		130	-10	-22.3	-25.8	52.3	52.3	63.0	63.4	No

HGV source: 84 dB SEL @ 10m for a single passby

Approx 75 m from Highfields Farm to haul road, at closest point

LAeq 12 hr daytime duration