

Appendix 8.17

Road Traffic Noise Predictions and Assessment for Triggered Data Links

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Table 1 Predicted road traffic noise levels and assessment for daytime period – 07:00-23:00 (free-field)

Triggered Data Link Name	Year	L _{Aeq,16hr} * (dB)		Do Something Effect Level [^]	Change DS - DM	Impact Magnitude	Significant? (See Table 8.9)
		DM	DS				
Berry Ln, Northampton	2021	62.8	62.4	Between LOAEL and SOAEL	-0.4	Negligible	NO
Bedford Rd, Northampton	2021	67.9	67.9	≥SOAEL	0.0	No Change	NO
Pomfret Rd/Water Lane, Towcester	2031	49.1	50.8	Between LOAEL and SOAEL	1.7	Minor Adverse	NO
Bickerstaffes Rd, Towcester	2031	47.3	49.7	<LOAEL	2.5	-	NO
Burcote Rd, Towcester	2031	45.6	48.5	<LOAEL	2.9	-	NO
Hill Farm Rise, Northampton	2031	59.5	61.6	Between LOAEL and SOAEL	2.0	Minor Adverse	NO

Notes:
DM = Do-Minimum, DS = Do-Something;
* Noise level for road link predicted as daytime basic noise level, i.e. 10 m away from the nearside carriageway edge;
[^] Effect Level considered representative of receptors closest to road link.