

Appendix 11.2 - Traffic Noise Calculations

Data Summary

FLOW DATA

Noise Change /dB

Ref	Road Name	Road Class	Speed (kmph)	Scenario 1 (18Hrs-Link)		Scenario 2 (17_18Hrs-Link)		Scenario 3 (17_18Hrs+DEV-Link)		Scenario 4 (32_18Hrs-Link)		Scenario 5 (32_18Hrs+DEV-Link)		2017 vs. 2017 + DEV	2032 vs. 2032 + DEV	2017 vs. 2032	2017 vs. 2032 + DEV
				Flow (no. vehicles)	%HGV	Flow (no. vehicles)	%HGV	Flow (no. vehicles)	%HGV	Flow (no. vehicles)	%HGV	Flow (no. vehicles)	%HGV				
1	Old Abergavenny Road (1)	Unclassified	48	0	N/A	745	2.2%	745	2.2%	907	2.2%	907	2.2%	0.0	0.0	0.9	0.9
2	Overflow Car Park	Unclassified (No through	48	0	N/A	1387	0.0%	1387	0.0%	1688	0.0%	1688	0.0%	0.0	0.0	0.9	0.9
3	Old Abergavenny Road (2)	Unclassified	48	0	N/A	2078	0.8%	2078	0.8%	2528	0.8%	2528	0.8%	0.0	0.0	0.9	0.9
4	Old Abergavenny Road (3)	Unclassified	48	0	N/A	1976	0.2%	1976	0.2%	2405	0.2%	2405	0.2%	0.0	0.0	0.9	0.9
5	Unnamed Access (1)	Unclassified (No through	48	0	N/A	983	3.0%	983	3.0%	1196	3.0%	1196	3.0%	0.0	0.0	0.9	0.9
6	Old Abergavenny Road (4)	Unclassified	48	0	N/A	2930	1.2%	2930	1.2%	3565	1.2%	3565	1.2%	0.0	0.0	0.9	0.9
7	Old Abergavenny Road (5)	Unclassified	48	0	N/A	2988	1.1%	2988	1.1%	3635	1.1%	3635	1.1%	0.0	0.0	0.9	0.9
8	Mamhilad Park Estate Access	Unclassified (No through	48	2285	N/A	3249	2.8%	5533	1.7%	3953	2.8%	6238	1.8%	1.9	1.6	0.9	2.5
9	Old Abergavenny Road (6)	Unclassified	48	2285	N/A	6111	1.9%	8396	1.4%	7437	1.9%	9721	1.5%	1.2	1.0	0.9	1.8
10	Old Abergavenny Road (7)	Unclassified	48	2285	N/A	6137	2.0%	8422	1.4%	7468	2.0%	9753	1.5%	1.2	1.0	0.9	1.8
11	A4042 (1)	A-Road (Primary)	90	630	N/A	22389	2.6%	23019	2.6%	27244	2.6%	27874	2.6%	0.1	0.1	0.9	0.9
12	Unnamed Access (2)	Unclassified (No through	48	0	N/A	151	16.1%	151	16.1%	184	16.1%	184	16.1%	0.0	0.0	0.9	0.9
13	A4042 (2)	A-Road (Primary)	90	2403	N/A	25455	2.7%	27857	2.4%	30975	2.7%	33377	2.5%	0.3	0.3	0.9	1.1
14	A4042 (3)	A-Road (Primary)	90	2403	N/A	25187	2.7%	27590	2.4%	30649	2.7%	33052	2.5%	0.3	0.3	0.9	1.1
15	Parke-Davis Site Access	Unclassified (No through	48	3397	N/A	29	16.7%	3427	0.1%	36	16.7%	3433	0.2%	16.4	15.6	0.9	16.4
16	Pen-Y-Lan Lane	Unclassified (No through	48	0	N/A	58	0.0%	58	0.0%	71	0.0%	71	0.0%	0.0	0.0	0.9	0.9
17	A4042 (4)	A-Road (Primary)	90	5052	N/A	25216	2.7%	30268	2.2%	30684	2.7%	35736	2.3%	0.7	0.6	0.9	1.4
18	A4042 (5)	A-Road (Primary)	90	5052	N/A	25070	2.6%	30122	2.2%	30507	2.6%	35559	2.2%	0.7	0.6	0.9	1.4
19	Usk Road (1)	B-Road	48	952	N/A	6697	1.7%	7649	1.5%	8149	1.7%	9101	1.6%	0.5	0.4	0.9	1.3
20	Usk Road (2)	B-Road	48	952	N/A	6819	1.6%	7770	1.4%	8297	1.6%	9249	1.4%	0.5	0.4	0.9	1.3
21	Usk Road (3) (The Highway)	B-Road	48	442	N/A	7651	0.0%	8093	0.0%	9310	0.0%	9752	0.0%	0.2	0.2	0.9	1.1
22	Usk Road (4)	B- Road	48	510	N/A	8843	3.0%	9353	2.8%	10761	3.0%	11271	2.8%	0.2	0.2	0.9	1.0
23	A4042 (6)	A-Road (Primary)	90	4100	N/A	19152	2.9%	23252	2.4%	23305	2.9%	27405	2.4%	0.7	0.6	0.9	1.5
24	A4042 (7)	A-Road (Primary)	90	4100	N/A	19152	3.6%	23252	3.0%	23305	3.6%	27405	3.1%	0.7	0.6	0.9	1.4
25	A472	A-Road (Secondary)	48	1225	N/A	37170	2.6%	38395	2.5%	45230	2.6%	46456	2.5%	0.1	0.1	0.9	0.9
26	A4042 (8)	A-Road (Primary)	90	2875	N/A	44128	2.7%	47003	2.6%	53698	2.7%	56573	2.6%	0.2	0.2	0.9	1.0