

Appendix 6.5

Title	Traffic flow change noise calculation summary		
Project	Southleigh, Havant		
Reference	2856.AP.05.02	Author(s)	FD
Date	25 November 2025	Reviewer	RM

Comparison 1

Do Nothing (Opening Year) vs. Do Something (Opening Year)

DN29 vs. DS29

Link Ref.	Link Name	18-hour traffic flow		Change in noise level ¹ , dB $L_{A10,18\text{hour}}$	Short Term impact magnitude
		DN29	DS29		
1	Southleigh Road	8,294	11,021	0.7	Negligible
2	Bartons Road	12,448	16,701	0.7	Negligible
3	Park Road, North	27,679	29,843	0.1	Negligible
4	Southleigh Road	4,466	7,160	1.3	Negligible
5	Horndean Road	8,422	9,698	0.3	Negligible
6	A259 Havant Road	22,843	23,359	0.1	Negligible
7	A27 East of Site	54,348	52,340	-0.2	Negligible
8	A27 West of Site	80,641	78,943	-0.1	Negligible
9	A27 (west of A3(M))	187,439	180,840	-0.1	Negligible

Comparison 2

Do Nothing (Future Year) vs. Do Something (Future Year)

DN44 vs. DS44

Link Ref.	Link Name	18-hour traffic flow		Change in noise level ¹ , dB $L_{A10,18\text{hour}}$	Long Term impact magnitude
		DN44	DS44		
1	Southleigh Road	9,022	11,749	0.7	Negligible
2	Bartons Road	13,539	17,793	0.8	Negligible
3	Park Road, North	30,106	32,271	0.1	Negligible
4	Southleigh Road	4,858	7,552	1.2	Negligible
5	Horndean Road	9,161	10,437	0.3	Negligible
6	A259 Havant Road	24,838	25,355	0.0	Negligible
7	A27 East of Site	60,726	61,212	0.1	Negligible
8	A27 West of Site	90,105	92,107	0.1	Negligible
9	A27 (west of A3(M))	209,436	211,439	0.1	Negligible

Comparison 3

Do Nothing (Opening Year) vs. Do Something (Future Year)

DN29 vs. DS44

Link Ref.	Link Name	18-hour traffic flow		Change in noise level ¹ , dB $L_{A10,18\text{hour}}$	Long Term impact magnitude
		DN29	DS44		
1	Southleigh Road	8,294	11,749	1.1	Negligible
2	Bartons Road	12,448	17,793	1.1	Negligible
3	Park Road, North	27,679	32,271	0.5	Negligible
4	Southleigh Road	4,466	7,552	1.6	Negligible
5	Horndean Road	8,422	10,437	0.6	Negligible
6	A259 Havant Road	22,843	25,355	0.4	Negligible
7	A27 East of Site	54,348	61,212	0.5	Negligible
8	A27 West of Site	80,641	92,107	0.5	Negligible
9	A27 (west of A3(M))	187,439	211,439	0.6	Negligible

Comparison 4

Do Minimum (Opening Year) vs. Do Something+ (Opening Year)

DM29 vs. DS29+

Link Ref.	Link Name	18-hour traffic flow		Change in noise level ¹ , dB $L_{A10,18\text{hour}}$	Short Term impact magnitude
		DM29	DS29+		
1	Southleigh Road	8,479	11,206	0.7	Negligible
2	Bartons Road	13,178	17,431	0.8	Negligible
3	Park Road, North	28,300	30,464	0.2	Negligible
4	Southleigh Road	4,589	7,283	1.4	Negligible
5	Horndean Road	9,187	10,462	0.3	Negligible
6	A259 Havant Road	23,478	23,994	0.0	Negligible
7	A27 East of Site	54,609	55,095	0.0	Negligible
8	A27 West of Site	81,112	83,115	0.1	Negligible
9	A27 (west of A3(M))	187,910	189,913	0.1	Negligible

Comparison 5

Do Minimum (Future Year) vs. Do Something+ (Future Year)

DM44 vs. DS44+

Link Ref.	Link Name	18-hour traffic flow		Change in noise level ¹ , dB <i>L_{A10,18hour}</i>	Long Term impact magnitude
		DM44	DS44+		
1	Southleigh Road	9,206	11,933	0.8	Negligible
2	Bartons Road	14,270	18,523	0.8	Negligible
3	Park Road, North	30,728	32,892	0.2	Negligible
4	Southleigh Road	4,981	7,675	1.3	Negligible
5	Horndean Road	9,926	11,201	0.2	Negligible
6	A259 Havant Road	25,473	25,989	0.0	Negligible
7	A27 East of Site	60,987	61,473	0.0	Negligible
8	A27 West of Site	90,576	92,578	0.1	Negligible
9	A27 (west of A3(M))	209,907	211,910	0.1	Negligible

Comparison 6

Do Minimum (Opening Year) vs. Do Something+ (Future Year)

DM29 vs. DS44+

Link Ref.	Link Name	18-hour traffic flow		Change in noise level ¹ , dB <i>L_{A10,18hour}</i>	Long Term impact magnitude
		DM29	DS44+		
1	Southleigh Road	8,479	11,933	1.1	Negligible
2	Bartons Road	13,178	18,523	1.1	Negligible
3	Park Road, North	28,300	32,892	0.6	Negligible
4	Southleigh Road	4,589	7,675	1.7	Negligible
5	Horndean Road	9,187	11,201	0.7	Negligible
6	A259 Havant Road	23,478	25,989	0.4	Negligible
7	A27 East of Site	54,609	61,473	0.5	Negligible
8	A27 West of Si	81,112	92,578	0.6	Negligible
9	A27 (west of A3(M))	187,910	211,910	0.6	Negligible

