Appendix B/1 – A14 Noise Adversely Affected Properties

Huntingdonshire District Council's Environmental Health are aware that the Environmental Statement (ES) submitted for the proposed A14 have some properties identified as having an adverse effect from the proposed new route.

While most of the properties have some sort of mitigation the ES has some that have no mitigation planned. The reason given in the ES is "Impacted dwellings where the noise exposure is not significant in terms of government policy and which are either spatially remote from larger defined residential areas, or small number of dwellings whose impact is not considered to represent the larger defined residential area, or the duration is short and as such the adverse effects are not considered to represent a likely significant effect with the ES".

Environmental Health's response to this is that we consider that any property that has been assessed as having an adverse effect should receive mitigation designed in the scheme. The Highways Agency response has been that they are complying with government and local policies and the cost of including mitigation for these properties outweighs the benefits considering their locations.

Our viewpoint is that even though they mainly spatially remote they should still be afforded protection from the effects of the scheme and we expect that the ultimate decision on mitigation for these properties to be made by the Planning Inspector/Secretary of State.

Statutory noise limits:

The Noise Insulation Regulations 1975 as amended gives a figure of 63dB dBLpAeq,16hr that if exceeded from the effects of a new road then the properties affected qualify for sound insulation. The Environmental Noise Directive gives figures of 65 dBLA10,18hr in important areas that if exceeded then the "owner" of the road has to assess what mitigation is/can be done and action where possible.

The Design Manual for Roads and Bridges classifies a significant change is generally considered a rise in the noise level of greater than 3dBA and it must be assessed to see if mitigation is viable.

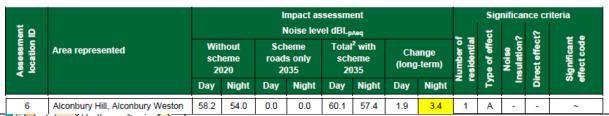
Thresholds used to identify areas for assessment in the ES.

Effect threshold (residential)	Threshold value, 1m in front of the relevant façade
lowest observed adverse effect level (LOAEL)	day 65dBL _{pAeq,daytime} evening 55dBL _{pAeq,1hr} night 45dBL _{pAeq,1hr}
significant observed adverse effect level (SOAEL)	day 75dBL _{pAeq,daytime} evening 65dBL _{pAeq,1hr} night 55dBL _{pAeq,1hr}
unacceptable adverse effect level (UAEL)	day 85dBL _{pAeq,daytime} evening 75dBL _{pAeq,1hr} night 65dBL _{pAeq,1hr}
Note: Day is 07:00 to 19:00, evening	is 19:00 to 23:00 and night is 23:00 to 07:00

Number of properties affected in Huntingdonshire

Beneficial affect	Negligible effect	Adverse effect
3436	9411	303

Properties identified as having an adverse effect from the proposed new A14.



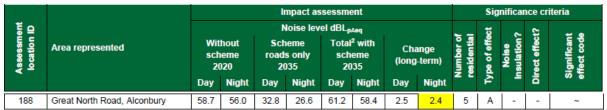


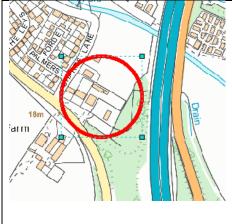
The levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on including mitigation to be included. However, Environmental Health will continue to recommend that the affected property has sufficient mitigation to prevent it from being classified as an adversely affected property.

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		Day	Night	Day	Night	Day	Night	Day	Night	2 -	ţ	트	ä	<i>v</i> , ₀
47	Rusts Lane, Alconbury	64.1	61.0	41.7	35.0	66.7	63.3	2.6	2.3	1	Α	'	No	~

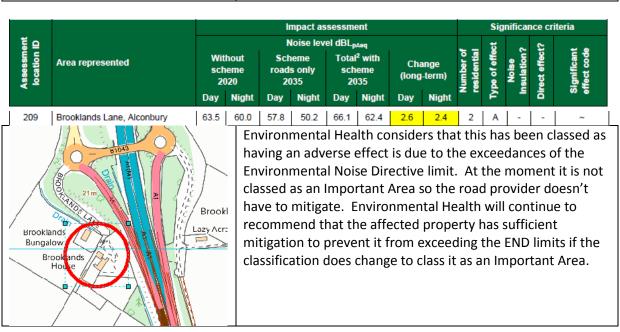


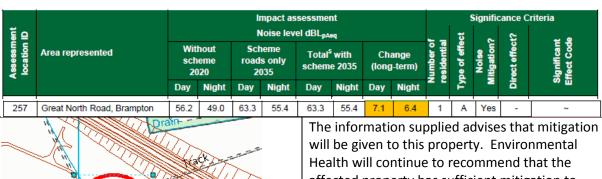
The levels despite being below a 3dBA long term rise are above the thresholds set out in the ES. However, the ES states that this is not being caused by the proposed road itself and therefore does qualify for mitigation under the Noise Insulation Regulation and is not currently classed as an Important Area so does not qualify for mitigation under the Environmental Noise Directive. However, Environmental Health will continue to recommend that the affected property has sufficient mitigation to prevent it from being classified as an adversely affected property and exceeding the Environmental Noise Directive even though it's not classed as an Important Area.





The only reason why EH consider that this has been classed as an adversely affected location is that the levels are predicted to be above the significant observed adverse effect level. It is noted that predicted rise is less than 3dBA (classed as negligible under DMRB) and the levels without the scheme will still be above the significant observed adverse effect level. The levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on including mitigation to be included. However, Environmental Health will continue to recommend that the affected property has sufficient mitigation to prevent it from being classified as an adversely affected property.







affected property has sufficient mitigation to prevent it from being classified as an adversely affected property.

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479	Stewart Close, Brampton	51.6	44.0	54.3	46.9	54.5	47.1	2.9	3.1	34	Α	-	Yes	ON-C04(S)
W	5173 XX / /Y	TO F	87	200	A sch	eme f	ence l	oarrie	er is b	eing	pro	pose	ed an	d as the
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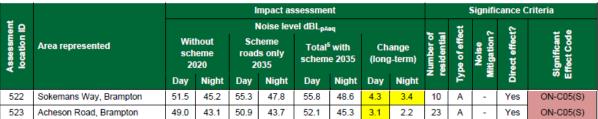


cannot insist on further mitigation.

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e II				ı	Noise lev	el dBL _{pA}	eq pe				ct	2	t?	6 t
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520	Grafham Road, Huntingdon	53.0	46.0	57.5	49.9	57.6	50.0	4.6	4.0	1	Α	-	Yes	~



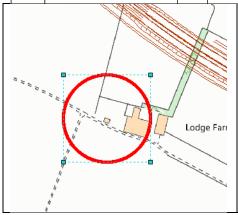
The levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on including mitigation to be included. However, Environmental Health will continue to recommend that the affected property has sufficient mitigation to prevent it from being classified as an affected property.





A scheme fence barrier is being proposed and as the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on further mitigation.

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		Day	Night	Day	Night	Day	Night	Day	Night		Тy	N	Di	ωш
533	Brampton Road, Buckden	48.3	42.5	59.6	51.8	59.7	52.0	11.4	9.5	1	Α	-	-	~



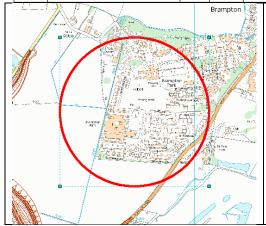
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977	Layton Crescent, Brampton	46.5	40.0	50.4	43.2	50.5	43.3	4.0	3.3	91	Α	-	Yes	ON-C04(S)



A scheme fence barrier is being proposed and as the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on further mitigation.

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		Day	Night	Day	Night	Day	Night	Day	Night	2 -	Ţ	2	Ö	S
1060	Throckmorton Drive, Brampton	51.0	44.5	54.6	47.2	55.0	47.9	4.0	3.4	20	Α	-	Yes	ON-C05(S)
1062	Sparrow Close, Brampton	50.9	44.5	53.1	45.7	54.1	47.1	3.2	2.6	9	Α	-	Yes	ON-C05(S)
1074	Sparrow Close, Brampton	49.3	43.1	52.3	45.0	53.0	46.1	3.7	3.0	8	Α	-	Yes	ON-C05(S)
1077	Montagu Road, Brampton	50.4	43.8	52.9	45.5	53.4	46.5	3.0	2.7	6	Α	-	-	ON-C05(S)
1078	Montagu Road, Brampton	49.7	42.0	53.2	45.8	53.3	45.9	3.6	3.9	11	Α	-	Yes	ON-C05(S)
1080	Gloucester Road, Brampton	49.8	43.0	53.4	46.0	53.6	46.2	3.8	3.2	2	Α	-	Yes	ON-C05(S)
1145	Gloucester Road, Brampton	48.2	41.0	51.8	44.6	52.0	44.7	3.8	3.7	7	Α	-	Yes	ON-C05(S)



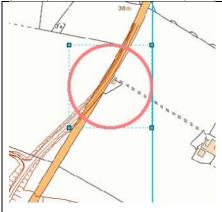
A scheme fence barrier is being proposed and as the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on further mitigation.

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15909	Elizabethan Way, Brampton	52.0	45.0	54.9	47.4	55.0	47.5	3.0	2.5	14	Α	-	Yes	ON-C04(S)
15910	Flint Close, Brampton	51.1	44.0	54.3	46.9	54.4	47.0	3.3	3.0	19	Α	-	Yes	ON-C04(S)



A scheme fence barrier is being proposed and as the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on further mitigation.

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location				N	oise Lev	el dBL _p	Aeq				t	on?	13	fect
essment l			thout ne 2020	road	neme s only 035		⁸ with ne 2035		ange -term)	Number of residential	pe of effect	e Insulation	Direct effect?	Significant effect code
Assı		Day	Night	Day	Night	Day	Night	Day	Night	2.	Тy	Noise	Di	Sign
539	Offord Road, Godmanchester	67.5	59.0	68.0	59.9	68.0	59.9	0.5	0.9	1	Α	No &	-	

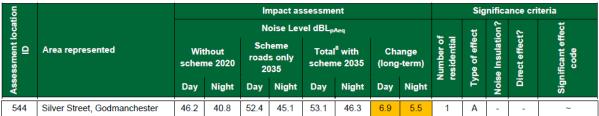


There is no significant change to the noise climate with or without the scheme. Therefore the action level for the Noise Insulation Regulations does not apply so HDC cannot insist on insulation under these regulations. As the local road doesn't qualify as a major road (6 million vehicles passages annually) the area is not classed as an Important Area and therefore the Environmental Noise Directive limit does not apply. However, HDC considers that the Highways Agency (controller of the proposed new road) and the County Council (controller of the local road) should discuss mitigation for this property to bring the noise down to more acceptable levels in case it does get classified as an Important Area if the A14 is built.

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location				N	oise Lev	rel dBL _p	Aeq				ŧ	on?	ę.	ect
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549	Offord Road, Godmanchester	54.2	46.8	53.7	46.4	56.9	49.6	2.7	2.8	1	Α	-	-	~

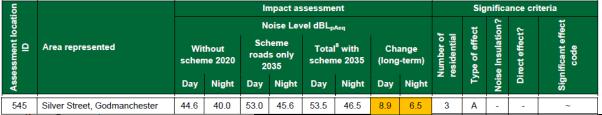


No significant increase in noise levels but it does raise it above the scheme's assessment levels. However, the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on including mitigation to be included. However, Environmental Health will continue to recommend that the affected property has sufficient mitigation to prevent it from being classified as an affected property.



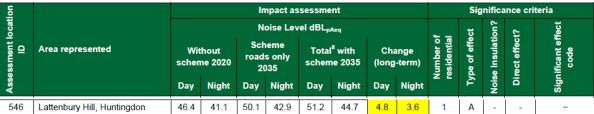


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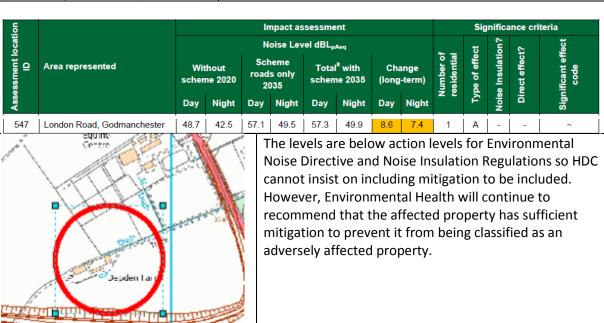
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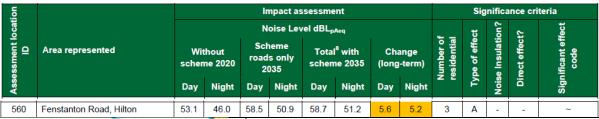




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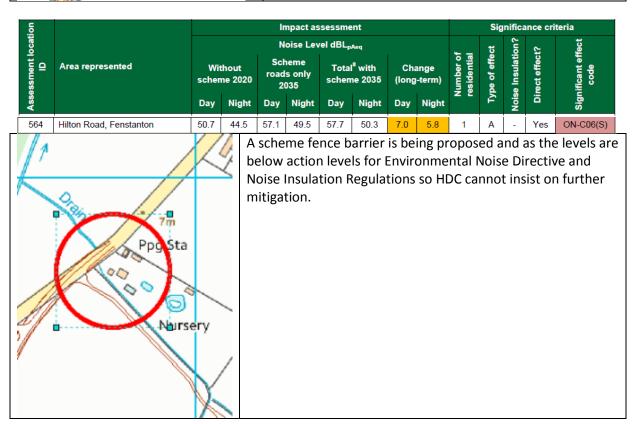
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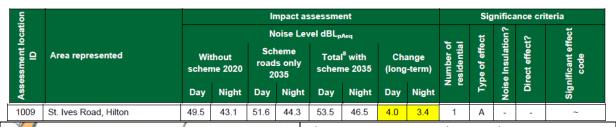
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Assessment location ID	Area represented		hout ne 2020	road	eme s only 135		⁸ with ne 2035		inge -term)	Number of residential	Type of effect	e Insulation?	Direct effect?	Significant effect code
Asse		Day	Night	Day	Night	Day	Night	Day	Night	2 -	Ļ	Noise	ā	Sign
565	Pear Tree Close, Fenstanton	49.3	43.1	54.8	47.3	55.5	48.2	6.2	5.1	2	Α	-	Yes	ON-C06(S)
3001	Pear Tree Close	47.0	40.0	49.9	42.8	51.1	43.8	4.1	3.8	4	Α	-	Yes	ON-C06(S)
3002	Pear Tree Close	47.3	40.2	52.7	45.4	53.4	46.0	6.1	5.8	9	Α	-	Yes	ON-C06(S)
3003	Pear Tree Close	51.0	43.7	53.7	46.4	54.9	47.4	3.9	3.7	3	Α	-	Yes	ON-C06(S)
3004	Pear Tree Close	47.8	40.8	54.6	47.2	55.0	47.5	7.2	6.7	1	Α	-	Yes	ON-C06(S)
3008	Pear Tree Close	48.5	41.4	52.6	45.3	53.3	45.9	4.8	4.5	2	Α	-	Yes	ON-C06(S)



A scheme fence barrier is being proposed and as the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on further mitigation.





This receptor is currently not a domestic property but the levels are below action levels for Environmental Noise Directive and Noise Insulation Regulations so HDC cannot insist on including mitigation to be included. However, Environmental Health will continue to recommend that the affected property has sufficient mitigation to prevent it from being classified as an adversely affected property.



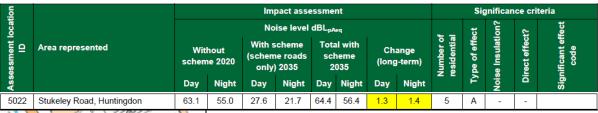


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Assessment location ID	Area represented	Impact assessment								Significance criteria					
		Noise level dBL _{pAeq}										*	on?	ی	effect
		Without scheme 2020		With scheme (scheme roads only) 2035		Total with scheme 2035			Change (long-term)		Number of residential	pe of effe	e Insulation?	rect effect?	Significant eff code
		Day	Night	Day	Night	Day	Nigh	t Da	ıy N	light		Тy	Noise	Dire	Sign
5007	Stukeley Road, Huntingdon	65.8	58.0	38.2	31.7	67.1	59.0	1.	3	1.0	31	Α	-	-	
5014	Conservative Association, Hunting	servative Association, Huntingdon (Office)				6	7.9	59.8	1.3	1.8	3 1		Α	-	

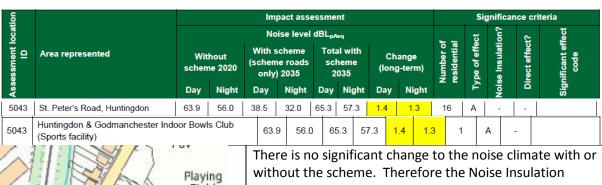


There is no significant change to the noise climate with or without the scheme. Therefore the Noise Insulation Regulations does not apply so HDC cannot insist on insulation. As the local road doesn't qualify as a major road (6 million vehicles passages annually) the area is not classed as an important area and therefore the Environmental Noise Directive limit does not apply, even though it is being exceeded. It is up to the County Council to continue assessing the roads in their area and take action where appropriate.



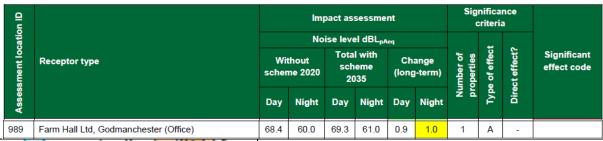


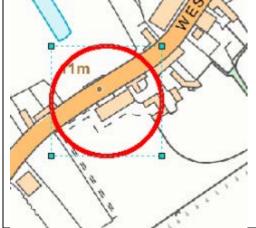
There is no significant change to the noise climate with or without the scheme. Therefore the Noise Insulation Regulations does not apply and the Environmental Noise Directive limit is not being exceeded either so HDC cannot insist on any further mitigation. It is up to the County Council to continue assessing the roads in their area and take action where appropriate.



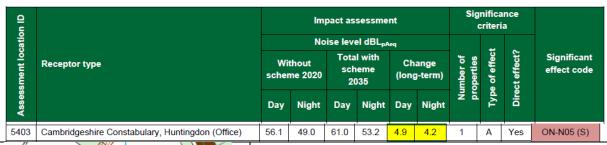


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