

# A358 Taunton to Southfields Dualling Scheme

Preliminary Environmental Information Report - Appendix 11.4  
Predicted Operational Noise Levels and Reporting Tables

HE551508-ARP-ENV-ZZ-RP-LA-000006

09/09/21

## Table of contents

	Pages
1 Assessment locations and predicted operational noise levels	i
2 DMRB LA 111 Noise level change reporting tables	xvi

### Table of Tables

Table 1-1	Representative predicted operational noise levels at residential receptors	ii
Table 2-2	Operational noise reporting table for noise assessment – short-term	xvi
Table 2-3	Operational noise reporting table for noise assessment – long-term	xvi

# 1 Assessment locations and predicted operational noise levels

- 1.1.1 Table 1-1 shows a selection of representative residential assessment locations within the study area, both within the detailed calculation area<sup>1</sup> and in the wider study area including roads which are indirectly affected by traffic flow changes as a result of the proposed scheme. The predicted operational noise levels for the baseline scenario without the proposed scheme and with the proposed scheme and existing local roads are shown for both the opening year (2023) and the future assessment year (2038). The tables also show the predicted change in the short and the long term.
- 1.1.2 Table 1-1 shows either one or two results for each receptor. Firstly, the noise impact on the façade with the greatest magnitude of change, i.e. the façade with the largest increase or the largest noise reduction. A second result may be shown if there is a different façade at the same receptor with a noise level that is greater than the Significant Observed Adverse Effect Level (SOAEL). This is only reported if the result greater than SOAEL is not for the same façade as that with the greatest magnitude of change. The purpose of this is to ensure that the largest noise change is reported, as well as identifying any façades exceeding the SOAEL.

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<sup>1</sup> Area within 600m of new or altered roads or roads bypassed by the proposed scheme.

**Table 1-1 Representative predicted operational noise levels at residential receptors**

Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16h</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change														Any OTHER façade with highest noise level >SOAEL			
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night		(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night		
334822_129180	Honeysuckle Cottage, Stanmoor Road, Burrowbridge, Bridgwater, TA7 0SA	44.9	38.2	48.9	41.8	44.8	38.1	50	42.8	4	3.6	5.1	4.6	E	-	-	-	-	-
334486_128764	Rainbow Cottage, Athelney Burrowbridge, Bridgwater, TA7 0SE	44.5	37.8	48.8	41.7	44.4	37.7	49.9	42.7	4.3	3.9	5.4	4.9	SE	-	-	-	-	-
334056_115312	5 Southfields, Horton, Ilminster, TA19 9PT	52.4	44.9	55.8	48	52.6	45.1	56.4	48.5	3.4	3.1	4	3.6	N	66.3	57.5	66.7	57.8	S
333916_127874	Withygrove Cottage, Curload, Curload Stoke St Gregory, Taunton, TA3 6JE	38.9	32.8	42.9	36.4	38.8	32.7	44	37.4	4	3.6	5.1	4.6	E	-	-	-	-	-
333914_115288	Iledene, Horton, Ilminster, TA19 9PT	62.9	54.4	64.1	55.5	62.9	54.4	64.5	55.8	1.2	1.1	1.6	1.4	N	67.2	58.3	67.6	58.6	NW
333846_116942	Butts Cottage, Ashill, Ilminster, TA19 9LG	43.5	36.9	47.8	40.8	43.2	36.7	48.5	41.4	4.3	3.9	5	4.5	W	-	-	-	-	-
333696_116048	Jordans, Ashill, Ilminster, TA19 9PZ	50.1	42.9	54.4	46.7	50.2	43	55.1	47.4	4.3	3.8	5	4.5	NW	-	-	-	-	-
333654_115348	Horton Cross Farm, Horton, Ilminster, TA19 9PT	46.7	39.8	49.2	42.1	46.9	40	49.8	42.6	2.5	2.3	3.1	2.8	N	63.7	55.1	64.1	55.5	E

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		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
333572_115162	Rose Cottage, Horton, Ilminster, TA19 9PX	50.4	43.1	53.4	45.8	50.8	43.5	54.2	46.6	3	2.7	3.8	3.5	W	69	59.9	69.4	60.2	E
333542_117062	Ashill, Ilminster, TA19 9LH	45.4	38.6	49.9	42.7	45.1	38.4	50.6	43.3	4.5	4.1	5.2	4.7	W	-	-	-	-	-
333524_126498	The Mobile Home, Meare Green Stoke St Gregory, Taunton, TA3 6HS	45.2	38.5	49.2	42.1	45.1	38.4	50.3	43.0	4	3.6	5.1	4.5	NW	-	-	-	-	-
333396_116402	The Forge, Ashill, Ilminster, TA19 9LB	51.5	44.1	56.3	48.4	51.2	43.9	57	49.1	4.8	4.3	5.5	5	NW	-	-	-	-	-
333228_117174	April Cottage, Ashill, Ilminster, TA19 9LQ	52.7	45.2	57.2	49.3	52.3	44.8	57.9	49.9	4.5	4.1	5.2	4.7	S	-	-	-	-	-
333012_126036	Goulds Farm, Denmans Hill, North Curry, Taunton, TA3 6HR	45.4	38.6	49.4	42.2	45.3	38.5	50.5	43.2	4	3.6	5.1	4.6	NW	-	-	-	-	-
332980_116860	Thickthorn House, Thickthorne, Ashill, Ilminster, TA19 9LU	54.5	46.8	58.9	50.8	54.2	46.6	59.6	51.4	4.4	4	5.1	4.6	NW	-	-	-	-	-
332878_114938	Wayside Cottage, Puddlebridge, Horton, Ilminster, TA19 9RL	48.4	41.3	52.9	45.4	49.3	42.1	54	46.4	4.5	4.1	5.6	5.1	NW	-	-	-	-	-
332876_117684	Greenacres, Ashill, Ilminster, TA19 9LX	48.4	41.3	52.4	44.9	47.9	40.9	53.1	45.6	4	3.6	4.7	4.3	SE	-	-	-	-	-

Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16hr</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
332736_114946	4 Firs Cottages, Puddlebridge, Horton, Ilminster, TA19 9RL	52.5	45	57.6	49.6	53.4	45.8	58.8	50.7	5.1	4.6	6.3	5.7	S	-	-	-	-	-
332696_116910	Parsonage Farm, Thickthorne, Ashill, Ilminster, TA19 9LU	44.7	38	48.7	41.6	44.3	37.6	49.4	42.2	4	3.6	4.7	4.2	NW	-	-	-	-	-
332484_117454	Parklands, Ashill, Ilminster, TA19 9LX	45	38.3	50.6	43.3	44.5	37.8	51.4	44	5.6	5	6.4	5.7	SW	-	-	-	-	-
332476_115506	8 Elms Close, Broadway, Ilminster, TA19 9RQ	38.4	32.3	47	40.1	38.8	32.7	47.8	40.8	8.6	7.8	9.4	8.5	N	-	-	-	-	-
332434_116770	Herne View, Southtown, Ashill, Ilminster, TA19 9LS	43.9	37.3	48.2	41.2	43.6	37	48.9	41.8	4.3	3.9	5	4.5	SW	-	-	-	-	-
332384_125556	25 Stoke Road, North Curry, Taunton, TA3 6HN	43.2	36.7	47.2	40.3	43.1	36.6	48.3	41.2	4	3.6	5.1	4.5	SE	-	-	-	-	-
332322_117328	Fresh Fields, Ashill, Ilminster, TA19 9LY	45.4	38.6	50.4	43.1	44.8	38.1	51.1	43.8	5	4.5	5.7	5.2	NW	-	-	-	-	-
332304_114884	4 Ewell Close, Horton, Ilminster, TA19 9QE	52.9	45.4	58.5	50.4	53.8	46.2	60	51.8	5.6	5	7.1	6.4	SE	-	-	-	-	-
332216_114826	Cherating, Hanning Road, Horton, Ilminster, TA19 9QH	50.8	43.5	55.1	47.4	51.7	44.3	56.1	48.3	4.3	3.9	5.3	4.8	NW	-	-	-	-	-

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		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
332214_115432	Steps Cottage, Broadway, Ilminster, TA19 9RG	38.7	32.6	47.3	40.3	39.2	33.1	48.1	41.1	8.6	7.7	9.4	8.5	NW	-	-	-	-	-
332182_117216	6 Windmill Hill Lane, Ashill, Ilminster, TA19 9PA	44.7	38	49.3	42.1	44.2	37.6	50	42.8	4.6	4.1	5.3	4.8	N	-	-	-	-	-
332150_117328	Barton House, Ashill, Ilminster, TA19 9ND	43.3	36.8	48.4	41.3	42.8	36.3	49.1	42.0	5.1	4.5	5.8	5.2	S	-	-	-	-	-
332088_114858	Broadstones, Horton, Ilminster, TA19 9QR	51.3	43.9	48.5	41.4	54.3	46.6	49.3	42.1	-2.8	-2.5	-2	-1.8	SE	-	-	-	-	-
332076_117462	Wyjac, Ashill, Ilminster, TA19 9NE	42.1	35.7	54.8	47.1	41.5	35.1	55.6	47.8	12.7	11.4	13.5	12.1	SW	-	-	-	-	-
332018_114908	Twisty Willows, Pound Road, Horton, Ilminster, TA19 9QT	51	43.7	48.6	41.5	54.8	47.1	49.5	42.3	-2.4	-2.2	-1.5	-1.4	SE	-	-	-	-	-
331998_125254	The Old Malthouse, Stoke Road, North Curry, Taunton, TA3 6LR	47.1	40.2	51.1	43.8	47.4	40.4	52.3	44.8	4	3.6	5.2	4.6	NW	-	-	-	-	-
331894_114998	Stoneleigh, Pound Road, Horton, Ilminster, TA19 9QT	53.6	46	51.2	43.9	57.7	49.7	52.1	44.7	-2.4	-2.1	-1.5	-1.3	SW	-	-	-	-	-
331886_117624	Sunnyside Farm, Ashill, Ilminster, TA19 9NE	46.6	39.7	52.2	44.8	46	39.2	52.9	45.4	5.6	5.1	6.3	5.7	NW	-	-	-	-	-

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		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
331778_115370	Woodcote, Broadway, Ilminster, TA19 9QY	40.9	34.6	49.3	42.1	41.5	35.1	50.1	42.9	8.4	7.5	9.2	8.3	N	-	-	-	-	-
331650_117918	Ashill, Ilminster, TA19 9NE	65.5	56.7	71.3	62.0	64.9	56.2	72	62.6	5.8	5.3	6.5	5.9	W	71.7	62.3	72.5	63	S
331642_124976	24 Town Close, North Curry, Taunton, TA3 6LZ	51.1	43.8	54.3	46.6	52.5	45.0	56	48.2	3.2	2.8	4.9	4.4	SE	-	-	-	-	-
331518_118624	Stewley Smallholding, Ashill, Ilminster, TA19 9NN	43.2	36.7	46.9	40	43.2	36.7	47.6	40.6	3.7	3.3	4.4	3.9	E	-	-	-	-	-
331482_117830	Kenny Cot, Kenny, Ashill, Ilminster, TA19 9NH	43.8	37.2	49.4	42.2	43.3	36.8	50.2	43.0	5.6	5	6.4	5.8	SW	64.7	56.0	65.5	56.7	NE
331350_115416	Farthings Barn, Pound Road, Broadway, Ilminster, TA19 9JX	49.8	42.6	43.7	37.1	52.8	45.3	44.4	37.7	-6.1	-5.5	-5.4	-4.9	NW	-	-	-	-	-
331248_118000	The Bungalow, Wood Road, Ashill, Ilminster, TA19 9NP	61.2	52.9	65.2	56.5	61.3	53	66	57.2	4	3.6	4.8	4.3	SW	66.9	58.0	67.7	58.7	NE
331154_118304	Porters Barn, Stewley, Ashill, Ilminster, TA19 9NJ	53.3	45.7	59	50.9	53.5	45.9	59.8	51.6	5.7	5.2	6.5	5.9	SW	-	-	-	-	-
331000_118188	Kendalwood, Stewley, Ashill, Ilminster, TA19 9NW	70.7	61.4	68.6	59.5	70.9	61.6	69.3	60.2	-2.1	-1.9	-1.4	-1.2	NE	-	-	-	-	-



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		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
330940_124358	Jackless Cross, Borough Post, North Curry, Taunton, TA3 6ND	51.2	43.9	54.1	46.5	52.5	45.0	55.8	48.0	2.9	2.6	4.6	4.1	NW	-	-	-	-	-
330574_118820	The Parlour House, Capland, Hatch Beauchamp, Taunton, TA3 6TP	46.9	40	51.9	44.5	47.1	40.2	52.7	45.2	5	4.5	5.8	5.2	E	-	-	-	-	-
330516_118558	Windsor House, Capland, Hatch Beauchamp, Taunton, TA3 6TR	74.6	64.9	69.6	60.4	74.8	65.1	70.4	61.1	-5	-4.5	-4.2	-3.8	NE	-	-	-	-	-
330496_118542	Little Windsor, Capland, Hatch Beauchamp, Taunton, TA3 6TR	60.7	52.4	64.1	55.5	60.9	52.6	64.8	56.1	3.4	3.1	4.1	3.7	SE	67.6	58.6	68.3	59.3	NE
330460_120296	30 Home Orchard, Hatch Beauchamp, Taunton, TA3 6TG	42.8	36.3	46.9	40	42.9	36.4	47.6	40.6	4.1	3.7	4.8	4.3	NE	-	-	-	-	-
330362_120454	Frogwell House, Station Road, Hatch Beauchamp, Taunton, TA3 6SQ	43.1	36.6	47.3	40.3	43.2	36.7	48	41.0	4.2	3.7	4.9	4.4	NE	-	-	-	-	-
330316_118776	Capland Orchard, Capland, Hatch Beauchamp, Taunton, TA3 6TP	57.4	49.4	66.6	57.7	57.2	49.3	67.3	58.4	9.2	8.3	9.9	9	E	73.6	64.0	74.3	64.7	S
330260_123586	2 Lillesdon Court Farm Cottages, North Curry, Taunton, TA3 6BT	52.3	44.8	56.8	48.9	54.5	46.8	59.2	51.1	4.5	4.1	6.9	6.3	SE	-	-	-	-	-
330138_119058	Perry Farm, Capland, Hatch Beauchamp, Taunton, TA3 6TW	46.6	39.7	50.6	43.3	46.5	39.6	51.4	44.0	4	3.6	4.8	4.3	NE	-	-	-	-	-

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		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
329930_119432	The Bungalow, Hatch Beauchamp, Taunton, TA3 6TN	50.9	43.6	55	47.3	51.1	43.8	55.8	48.0	4.1	3.7	4.9	4.4	W	-	-	-	-	-
329922_119558	Hatch Green Lodge, Hatch Green, Hatch Beauchamp, Taunton, TA3 6TN	49.7	42.5	53.6	46.0	49.9	42.7	54.3	46.6	3.9	3.5	4.6	4.1	SE	-	-	-	-	-
329894_119694	Merlyn, Hatch Green, Hatch Beauchamp, Taunton, TA3 6TN	44.9	38.2	48.9	41.8	45.1	38.4	49.6	42.4	4	3.6	4.7	4.2	NE	-	-	-	-	-
329828_121072	Griffin House, West Hatch, Taunton, TA3 6SJ	41.5	35.1	46.8	39.9	41.4	35	47.6	40.6	5.3	4.8	6.1	5.5	SE	-	-	-	-	-
329788_120234	1 Buttles Bungalow, Hatch Beauchamp, Taunton, TA3 6TJ	42.8	36.3	47.2	40.3	42.9	36.4	47.9	40.9	4.4	4	5.1	4.6	NW	-	-	-	-	-
329634_121520	1 Broad Close, West Hatch, Taunton, TA3 5RG	50	42.8	55.2	47.5	49.7	42.5	56	48.2	5.2	4.7	6	5.4	W	-	-	-	-	-
329524_121956	4 Meare Elm Cottages, West Hatch, Taunton, TA3 5RQ	44.5	37.8	49.4	42.2	44.1	37.5	50.1	42.9	4.9	4.4	5.6	5.1	E	-	-	-	-	-
329438_118922	1a The Orchard, 1 Bickenhall, Taunton, TA3 6TS	46.4	39.5	49.7	42.5	46.5	39.6	50.4	43.1	3.3	3	4	3.6	N	-	-	-	-	-
329404_118750	Bickenhall, Taunton, TA3 6TS	55.5	47.7	50.7	43.4	55.4	47.6	51.5	44.1	-4.8	-4.3	-4	-3.6	SW	-	-	-	-	-

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		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
329348_121772	Chase Cottage, West Hatch, Taunton, TA3 5RG	49.5	42.3	55.1	47.4	49.1	42	55.9	48.1	5.6	5.1	6.4	5.8	SE	-	-	-	-	-
329260_120762	Park Farm House, West Hatch, Taunton, TA3 5RL	53.5	45.9	58.5	50.4	53.5	45.9	59.3	51.1	5	4.5	5.8	5.2	SW	-	-	-	-	-
329136_122726	18 Stoneyhead Caravan Park, Stoneyhead, Wrantage, Taunton, TA3 6BZ	48	41	50.2	43	48.2	41.2	50.9	43.6	2.2	2	2.9	2.6	SE	-	-	-	-	-
329020_121326	Vincent's Farm, West Hatch, Taunton, TA3 5RJ	52.8	45.3	57.5	49.5	52.5	45.0	58.2	50.2	4.7	4.2	5.4	4.9	E	-	-	-	-	-
328978_122058	Annexe At, West Hatch, Taunton, TA3 5RH	53.1	45.6	58.2	50.2	53	45.5	59	50.9	5.1	4.6	5.9	5.3	S	-	-	-	-	-
328566_122844	Mattocks Green Cottage, Thornfalcon, Taunton, TA3 5NN	55.1	47.4	57.4	49.4	55.5	47.7	58.2	50.2	2.3	2	3.1	2.8	NW	63.4	54.8	64.2	55.6	SE
328234_122992	Ash Cross Cottage, Thornfalcon, Taunton, TA3 5NW	68.7	59.6	58.4	50.3	69.1	60	59	50.9	-10.3	-9.3	-9.7	-8.7	N	-	-	-	-	-
328138_122620	The Thatch, Thornfalcon, Taunton, TA3 5NW	41.6	35.2	49.6	42.4	41.9	35.5	50.3	43.0	8	7.2	8.7	7.8	W	-	-	-	-	-
328038_123754	The Flat, Thornfalcon, Taunton, TA3 5NH	44.3	37.6	48.9	41.8	44.6	37.9	49.6	42.4	4.6	4.2	5.3	4.8	N	-	-	-	-	-

Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16hr</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
327924_123276	Keirles, Thornfalcon, Taunton, TA3 5NG	54	46.4	66	57.2	54.5	46.8	66.8	57.9	12	10.8	12.8	11.5	SW	-	-	-	-	-
327758_123134	Stable Cottage Foxhound Kennels, Thornfalcon, Taunton, TA3 5NF	52.2	44.8	58.9	50.8	52.6	45.1	59.6	51.4	6.7	6	7.4	6.6	S	-	-	-	-	-
327758_122046	Lime Kiln Cottage, Stoke St Mary, Taunton, TA3 5BT	41.1	34.8	55.4	47.6	41.4	35	56.1	48.3	14.3	12.8	15	13.5	E	-	-	-	-	-
327642_123574	2 Thornfalcon, Taunton, TA3 5NG	65.2	56.5	56.9	49.3	65.6	56.9	57.6	49.9	-8.3	-7.2	-7.6	-6.6	NE	67.9	59	68.6	59.6	SE
327548_114192	Keymer Cottage, Buckland St Mary, Chard, TA20 3JF	63.2	54.7	61.3	53.0	64.1	55.5	62.2	53.8	-1.9	-1.7	-1	-0.9	NE	-	-	-	-	-
327156_124056	Rosedale, Henlade, Taunton, TA3 5DH	66.5	57.7	58.7	50.9	66.7	57.9	59.3	51.5	-7.8	-6.8	-7.2	-6.2	S	-	-	-	-	-
327102_124108	Falcons Nest, Henlade, Taunton, TA3 5DH	54.6	47.7	49.9	44.5	54.8	47.9	50.5	45.1	-4.7	-3.2	-4.1	-2.6	S	-	-	-	-	-
327084_123490	Lower Lodge, Lower Henlade, Taunton, TA3 5NA	49.3	45.8	58	50.9	50.0	46.5	58.6	51.5	8.7	5.1	9.3	5.7	S	-	-	-	-	-
326996_124026	Penalverne, Stoke Road, Henlade, Taunton, TA3 5LX	66	57.4	57.3	50.5	66.1	57.5	58	51.1	-8.7	-6.9	-8	-6.3	N	-	-	-	-	-
326988_123896	Jesmond, Stoke Road, Henlade, Taunton, TA3 5LX	45.9	40.9	52.8	45.9	46.3	41.4	53.4	46.4	6.9	5	7.5	5.5	E	-	-	-	-	-

Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16h</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night		(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
326986_123644	Coppins, Stoke Road, Henlade, Taunton, TA3 5LX	50.2	47.2	66.3	57.8	50.8	47.9	67	58.4	16.1	10.6	16.8	11.2	E	66.7	58.1	67.4	58.7	N
326980_123778	The Nook, Stoke Road, Henlade, Taunton, TA3 5LX	52.6	48.6	64.8	56.5	53.2	49.2	65.5	57.2	12.2	7.9	12.9	8.6	S	-	-	-	-	-
326980_124102	3 The Grove, Ruishton, Taunton, TA3 5HY	59.4	51.6	52.3	46.4	59.6	51.8	52.9	47	-7.1	-5.2	-6.5	-4.6	W	-	-	-	-	-
326926_116824	Lane End Farm, Staple Fitzpaine, Taunton, TA3 5SQ	58.6	50.5	56	48.2	59.1	51	56.8	48.9	-2.6	-2.3	-1.8	-1.6	NE	-	-	-	-	-
326908_115494	Castle Neroche House, Buckland St Mary, Chard, TA20 3LA	65.1	56.4	63.1	54.6	66	57.2	64	55.4	-2	-1.8	-1.1	-1	NE	-	-	-	-	-
326906_124422	8 Steart Cottages, Henlade, Taunton, TA3 5JB	43.6	41.5	46.3	42.7	44	42.1	47	43.3	2.7	1.2	3.4	1.8	W	-	-	-	-	-
326850_123546	The Spinney, Lower Henlade, Taunton, TA3 5LY	42.5	38.8	53.1	46	43.6	39.7	53.8	46.7	10.6	7.2	11.3	7.9	E	-	-	-	-	-
326820_117624	Staplemeade, Staple Fitzpaine, Taunton, TA3 5SJ	64.5	55.8	61.5	53.1	65.1	56.4	62.4	53.9	-3	-2.7	-2.1	-1.9	NE	-	-	-	-	-
326810_124180	Bel-Air, Henlade, Taunton, TA3 5HX	58.7	50.8	51.7	45	58.9	51	52.3	45.6	-7	-5.8	-6.4	-5.2	E	-	-	-	-	-
326800_124122	Fern Cottage, Henlade, Taunton, TA3 5HU	71.1	61.8	60.9	52.9	71.3	62	61.6	53.6	-10.2	-8.9	-9.5	-8.2	N	-	-	-	-	-

Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16hr</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night		Day	Night	Day	Night	
326786_123896	25 Ivy House Park, Henlade, Taunton, TA3 5HR	47.7	46.1	57.4	50.7	48.3	46.7	58.1	51.4	9.7	4.6	10.4	5.3	S	-	-	-	-	-
326768_124098	5 Ivy House Park, Henlade, Taunton, TA3 5HR	55	48.8	50.8	46.5	55.3	49.2	51.4	47.1	-4.2	-2.3	-3.6	-1.7	N	-	-	-	-	-
326768_124048	36a, 36 Ivy House Park, Henlade, Taunton, TA3 5HT	48.7	46.2	52.8	47.9	49.2	46.8	53.4	48.6	4.1	1.7	4.7	2.4	S	-	-	-	-	-
326750_123974	16a, 16 Ivy House Park, Henlade, Taunton, TA3 5HT	47.5	45.6	53.8	48.4	48	46.2	54.4	49	6.3	2.8	6.9	3.4	S	-	-	-	-	-
326696_124222	Laurel Cottage, Henlade, Taunton, TA3 5HX	65.1	56.6	57.1	50.3	65.3	56.9	57.6	50.8	-8.0	-6.3	-7.5	-5.8	S	-	-	-	-	-
326626_123576	2 Arundels Cottages, Lower Henlade, Taunton, TA3 5LY	47.8	46.7	58.7	51.8	48.6	47.4	59.3	52.4	10.9	5.1	11.5	5.7	NW	-	-	-	-	-
326600_124682	17 Newlands Crescent, Ruishton, Taunton, TA3 5LA	42.8	41	45	42	43.2	41.5	45.7	42.6	2.2	1	2.9	1.6	SW	-	-	-	-	-
326538_124338	Highcroft, Bushy Cross Lane, Ruishton, Taunton, TA3 5LF	52.6	45.9	47.9	42.9	52.8	46.2	48.6	43.5	-4.7	-3	-4	-2.4	E	-	-	-	-	-
326530_118332	4 St. Peters Close, Staple Fitzpaine, Taunton, TA3 5TZ	49.5	42.3	44.5	37.8	49.3	42.1	45.2	38.5	-5	-4.5	-4.3	-3.8	NE	-	-	-	-	-
326504_124302	Cranmere, Henlade, Taunton, TA3 5LS	70.5	61.3	61.3	53.6	70.7	61.5	61.8	54.1	-9.2	-7.7	-8.7	-7.2	S	-	-	-	-	-

Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16hr</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
326354_118370	Skidbrook House, Staple Fitzpaine, Taunton, TA3 5SP	64.0	55.4	60.7	52.4	64.3	55.7	61.3	53.0	-3.3	-3	-2.7	-2.4	NE	-	-	-	-	-
326248_124426	Limbrey Bungalow, Henlade, Taunton, TA3 5LS	63.9	56.2	56.1	51.6	64	56.4	56.6	52.2	-7.8	-4.6	-7.3	-4	NE	-	-	-	-	-
325154_121388	195 Thurlbear Road, Orchard Portman, Taunton, TA3 5DQ	64.2	55.6	60.8	52.5	64.5	55.8	61.5	53.1	-3.4	-3.1	-2.7	-2.5	SW	-	-	-	-	-
324190_123008	16 Sundew Close, TA1 3XH	48	41	44.4	37.7	48.8	41.7	45	38.3	-3.6	-3.3	-3	-2.7	S	-	-	-	-	-
324146_123260	66 Stoke Road, TA1 3EJ	56.1	48.3	55	47.3	56.8	48.9	55.6	47.8	-1.1	-1	-0.5	-0.5	S	-	-	-	-	-
324128_123020	4 Clover Mead, TA1 3XD	60.3	52.1	50.9	43.6	61.1	52.8	51.5	44.1	-9.4	-8.5	-8.8	-8	W	-	-	-	-	-
324122_122994	3 Clover Mead, TA1 3XD	60.8	52.5	51.1	43.8	61.6	53.2	51.7	44.3	-9.7	-8.7	-9.1	-8.2	N	-	-	-	-	-
324078_116136	Beeches Farm, Buckland St Mary, Chard, TA20 3QY	55.5	47.7	53.7	46.1	56.9	49.0	54.7	47.0	-1.8	-1.6	-0.8	-0.7	N	-	-	-	-	-
323866_122920	65 Shoreditch Road, TA1 3DF	58.7	50.6	54.8	47.1	58.6	50.5	55.2	47.5	-3.9	-3.5	-3.5	-3.1	W	-	-	-	-	-
323858_123058	41 Shoreditch Road, TA1 3BX	57.9	49.9	54	46.4	57.8	49.8	54.4	46.7	-3.9	-3.5	-3.5	-3.2	W	-	-	-	-	-
323836_123202	27 Shoreditch Road, TA1 3BU	60.3	52.1	56.1	48.3	60.3	52.1	56.6	48.7	-4.2	-3.8	-3.7	-3.4	SW	-	-	-	-	-
323800_123330	7 Harp Chase, TA1 3RY	62.4	53.9	57.7	49.7	62.4	53.9	58.3	50.2	-4.7	-4.2	-4.1	-3.7	W	-	-	-	-	-



Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16hr</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change													Any OTHER façade with highest noise level >SOAEL				
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
323748_123570	113 South Road, TA1 3EA	57.2	49.3	56.2	48.4	57.2	49.3	56.3	48.4	-1	-0.9	-0.9	-0.9	SW	-	-	-	-	-
323672_123638	95 South Road, TA1 3EA	51.9	44.5	50.8	43.5	51.9	44.5	51	43.7	-1.1	-1	-0.9	-0.8	SW	-	-	-	-	-
323568_123644	78 South Road, TA1 3EA	65.0	56.3	64	55.4	65.0	56.3	64.1	55.5	-1	-0.9	-0.9	-0.8	NE	-	-	-	-	-
323526_123908	Housemasters Flat At King Alfreds, TA1 3LA	65.6	56.8	64.6	55.9	65.6	56.8	64.7	56.0	-1	-0.9	-0.9	-0.8	SW	-	-	-	-	-
323410_123912	38 South Road, TA1 3DY	62.1	53.7	61.1	52.8	62.1	53.7	61.2	52.9	-1	-0.9	-0.9	-0.8	NE	-	-	-	-	-
323400_124016	55 South Road, TA1 3DU	65.8	57	65.1	56.4	65.9	57.1	65.3	56.5	-0.7	-0.6	-0.5	-0.5	SW	-	-	-	-	-
320682_124240	21 Great Mead, Bishops Hull, Taunton, TA1 5HE	41.2	34.9	41.6	35.2	41.7	35.3	42.3	35.8	0.4	0.3	1.1	0.9	SW	-	-	-	-	-
320432_124174	5 Bakers Close, Bishops Hull, Taunton, TA1 5HD	36.2	30.4	37.2	31.3	36.6	30.7	38.1	32.1	1	0.9	1.9	1.7	E	-	-	-	-	-
320386_116660	Heath Cottage, Culmhead, Taunton, TA3 7DT	59.4	51.2	57.9	49.9	61.0	52.7	59.3	51.1	-1.5	-1.3	-0.1	-0.1	S	-	-	-	-	-
314540_116252	Simons Burrow House, EX15 3XA	53.3	45.7	51.4	44.0	54.1	46.5	52.2	44.8	-1.9	-1.7	-1.1	-0.9	SW	-	-	-	-	-
314500_115814	Avondale, EX15 3XA	53.0	45.5	51.1	43.8	53.8	46.2	51.9	44.5	-1.9	-1.7	-1.1	-1	W	-	-	-	-	-
314136_114462	Dixcroft, EX15 3SS	51.5	44.1	49.5	42.3	52.3	44.8	50.3	43	-2	-1.8	-1.2	-1.1	SE	-	-	-	-	-



Receptor ID*	Receptor address	Noise level dBL <sub>Aeq</sub> free-field (day: L <sub>Aeq,16hr</sub> , night: L <sub>Aeq,8hr</sub> )																	
		Façade with greatest magnitude of noise change												Any OTHER façade with highest noise level >SOAEL					
		Without Scheme 2023		Scheme and local roads 2023		Without Scheme 2038		Scheme and local roads 2038		Change (short-term)		Change (long-term)		Façade	Scheme and local roads 2023 (different façade from GMC result)		Scheme and local roads 2038 (different façade from GMC result)		Façade
		(Short-term)		(Long-term)		(Short-term)		(Long-term)		(Short-term)		(Long-term)			(Short-term)		(Long-term)		
Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
313928_113966	4 St. Ivel House, Station Road, EX15 3SJ	54.6	46.9	52.7	45.2	55.4	47.6	53.5	45.9	-1.9	-1.7	-1.1	-1	W	-	-	-	-	-
313856_113804	58 Station Road, EX15 3SE	51.6	44.2	49.7	42.5	52.4	44.9	50.5	43.2	-1.9	-1.7	-1.1	-1	W	-	-	-	-	-
313790_113662	21 Station Road, EX15 3SE	55.2	47.5	53.3	45.7	56.0	48.2	54.1	46.5	-1.9	-1.8	-1.1	-1	E	-	-	-	-	-
313746_113448	10 Station Road, EX15 3SE	53.8	46.2	51.9	44.5	54.6	46.9	52.7	45.2	-1.9	-1.7	-1.1	-1	W	-	-	-	-	-

\* Receptor ID displayed as the easting(X)\_northing(Y) ordnance survey UK grid reference.

## 2 DMRB LA 111 Noise level change reporting tables

2.1.1 Noise level changes tables as defined by the Design Manual for Roads and Bridges (DMRB) LA 111 *Noise and vibration* (Table 2-2 and Table 2-3).

**Table 2-2 Operational noise reporting table for noise assessment – short-term**

Scenario/Comparison: Do-Something Opening Year compared to Do-Minimum Opening Year					
Change in noise Level		Daytime		Night-time	
		Number of dwellings	Number of other noise sensitive receptors	Number of dwellings	Number of other noise sensitive receptors
Increase in noise level dB $L_{A10,18h}/L_{night}$	<1.0	1327	8	1599	10
	1.0 – 2.9	565	8	379	7
	3.0 – 4.9	805	18	833	20
	>5.0	346	8	235	5
No Change	0	18	1	22	2
Decrease in noise level dB $L_{A10,18h}/L_{night}$	<1.0	91	3	144	5
	1.0 – 2.9	512	12	504	9
	3.0 – 4.9	215	1	205	2
	>5.0	143	9	101	8

**Table 2-3 Operational noise reporting table for noise assessment – long-term**

Scenario/Comparison: Do-Something Future Year compared to Do-Minimum Opening Year					
Change in noise Level		Daytime		Night-time	
		Number of dwellings	Number of other noise sensitive receptors	Number of dwellings	Number of other noise sensitive receptors
Increase in noise level dB $L_{A10,18h}/L_{night}$	<3.0	1771	16	1877	17
	3.0 – 4.9	374	8	764	16
	5.0 – 9.9	825	19	383	10
	>10.0	75	1	31	1
No Change	0	28	2	32	3
Decrease in noise level dB $L_{A10,18h}/L_{night}$	<3.0	657	12	703	12
	3.0 – 4.9	189	3	148	3
	5.0 – 9.9	92	7	76	6
	>10.0	11	0	8	0