



The Sizewell C Project

6.14 Environmental Statement Addendum
Volume 3: Environmental Statement Addendum Appendices
Chapter 7 Yoxford Roundabout and Other Highway Improvements
Appendices 7.3.A-C Noise and Vibration

Revision: 1.0
Applicable Regulation: Regulation 5(2)(a)
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January 2021

Planning Act 2008
Infrastructure Planning (Applications: Prescribed
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APPENDIX 7.3.A: YOXFORD ROUNDABOUT – CORRECTIONS TO ROAD TRAFFIC NOISE LEVEL PREDICTIONS

APPENDIX 7.3.A: INTRODUCTION

- 1.1.1 This appendix road traffic noise level predictions for Yoxford Roundabout that have been corrected from those contained in **Volume 7, Chapter 4** of the **ES** (Doc Ref 6.8) [APP-484].
- 1.1.2 Tables presented show the predicted levels submitted in **Volume 7, Chapter 4** of the **ES** (Doc Ref 6.8) [APP-484] and the corrected values for the following scenarios:
- Table 7.3.A.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)
 - Table 7.3.A.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)
 - Table 7.3.A.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)
 - Table 7.3.A.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)
 - Table 7.3.A.5: Predicted level differences and effects for the typical day in 2034
 - Table 7.3.A.6: Predicted level differences and effects for the typical night in 2034
- 1.1.3 Where the corrected predicted levels cause a change in the assessment outcome that is worse than was reported in **Volume 7, Chapter 4** of the **ES** (Doc Ref 6.8) [APP-484], the cell containing the assessment effect is coloured orange. Where the corrected predicted levels cause a change in the assessment outcome that is better than was reported in **Volume 7, Chapter 4** of the **ES** (Doc Ref 6.8) [APP-484], the cell containing the assessment effect is coloured green. Where the corrected predicted levels do not cause a change in the assessment outcome, the cell is not shaded with any colour.

Table 7.3.A.1: Predicted level differences and effects during the typical period for the peak construction year (in 2028)

2028 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	73.7	73.6	-0.1	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	68.9	69.3	0.4	Negligible, not significant	66.7	66.8	0.1	Negligible, not significant
3	Satis Coach House	62.4	62.9	0.5	Negligible, not significant	59.8	59.4	-0.4	Negligible, not significant
4	White House	77.1	76.7	-0.4	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.8	72.4	-0.4	Negligible, not significant	72.2	72.1	-0.1	Negligible, not significant
6	Pinn's Piece	66.0	66.4	0.4	Negligible, not significant	64.6	64.7	0.1	Negligible, not significant

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NOT PROTECTIVELY MARKED

2028 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Rookery Lodge	67.8	68.6	0.8	Negligible, not significant	66.3	66.3	0.0	Negligible, not significant
8	The Cottage	60.6	62.6	2.0	Minor adverse, not significant	59.6	61.2	1.6	Minor adverse, not significant
9	Sunnypatch	65.6	67.8	2.2	Minor adverse, not significant	63.3	65.7	2.4	Minor adverse, not significant
10	The Limes	73.7	73.5	-0.2	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
11	Tinkers	74.2	74.2	0.0	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	73.5	73.4	-0.1	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant

2028 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
13	Medway & White House Cottages	73.8	73.7	-0.1	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.8	73.8	2.0	Minor adverse, not significant	71.2	73.0	1.8	Minor adverse, not significant
15	Rookery Cottages	62.3	64.3	2.0	Minor adverse, not significant	62.5	64.6	2.1	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.8	73.7	-0.1	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	74.4	74.3	-0.1	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	55.5	56.7	1.2	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant

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2028 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
19	Pinns Cottage	48.8	49.3	0.5	Negligible, not significant	49.8	50.0	0.2	Negligible, not significant
20	Garden Cottage and Clock House	48.7	50.9	2.2	Minor adverse, not significant	48.2	50.1	1.9	Minor adverse, not significant
21	Cavan Cottage	70.1	70.0	-0.1	Negligible, not significant	68.1	68.1	0.0	Negligible, not significant
22	Manger Cottage	58.9	59.5	0.6	Negligible, not significant	56.2	56.3	0.1	Negligible, not significant
23	Meadowbarn	58.4	59.4	1.0	Minor adverse, not significant	56.5	57.1	0.6	Negligible, not significant
24	Hopton Yard E of Old Barn	62.7	64.7	2.0	Minor adverse, not significant	60.1	62.1	2.0	Minor adverse, not significant

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2028 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
25	Honeycroft	61.1	63.1	2.0	Minor adverse, not significant	61.2	63.3	2.1	Minor adverse, not significant

Table 7.3.A.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)

2028 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	60.5	60.6	0.1	Negligible, not significant	63.3	63.4	0.1	Negligible, not significant
2	Satis House (Hotel)	57.8	58.2	0.4	Negligible, not significant	61.0	61.0	0.0	Negligible, not significant
3	Satis Coach House	53.3	53.3	0.0	Negligible, not significant	56.4	56.4	0.0	Negligible, not significant
4	White House	62.0	62.0	0.0	Negligible, not significant	64.6	64.9	0.3	Negligible, not significant
5	Sans Souci	60.1	59.9	-0.2	Negligible, not significant	63.0	63.2	0.2	Negligible, not significant
6	Pinn's Piece	56.3	56.5	0.2	Negligible, not significant	59.8	60.1	0.3	Negligible, not significant

2028 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Rookery Lodge	57.7	57.9	0.2	Negligible, not significant	61.0	61.0	0.0	Negligible, not significant
8	The Cottage	51.8	53.9	2.1	Minor adverse, not significant	55.7	57.6	1.9	Minor adverse, not significant
9	Sunnypatch	54.1	56.9	2.8	Minor adverse, not significant	55.6	58.4	2.8	Minor adverse, not significant
10	The Limes	60.7	60.9	0.2	Negligible, not significant	63.7	63.9	0.2	Negligible, not significant
11	Tinkers	60.9	61.2	0.3	Negligible, not significant	63.9	64.1	0.2	Negligible, not significant
12	Holly House	60.5	60.7	0.2	Negligible, not significant	63.5	63.7	0.2	Negligible, not significant

2028 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
13	Medway & White House Cottages	60.6	60.8	0.2	Negligible, not significant	63.6	63.8	0.2	Negligible, not significant
14	The Old Barn	57.5	60.2	2.7	Minor adverse, not significant	58.3	61.3	3.0	Moderate adverse, significant
15	Rookery Cottages	53.0	55.4	2.4	Minor adverse, not significant	56.8	59.5	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	60.9	61.1	0.2	Negligible, not significant	64.0	64.2	0.2	Negligible, not significant
17	Kings Head PH	60.9	61.0	0.1	Negligible, not significant	63.8	64.0	0.2	Negligible, not significant
18	Frith House	49.5	50.2	0.7	Negligible, not significant	54.5	55.2	0.7	Negligible, not significant

2028 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
19	Pinns Cottage	47.5	47.6	0.1	Negligible, not significant	51.2	52.5	1.3	Minor adverse, not significant
20	Garden Cottage and Clock House	39.1	41.7	2.6	Minor adverse, not significant	42.1	44.3	2.2	Minor adverse, not significant
21	Cavan Cottage	58.7	58.9	0.2	Negligible, not significant	61.8	62.0	0.2	Negligible, not significant
22	Manger Cottage	50.7	50.4	-0.3	Negligible, not significant	54.1	54.2	0.1	Negligible, not significant
23	Meadowbarn	50.0	50.4	0.4	Negligible, not significant	53.4	54.3	0.9	Negligible, not significant
24	Hopton Yard E of Old Barn	52.4	54.8	2.4	Minor adverse, not significant	55.9	58.3	2.4	Minor adverse, not significant

2028 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
25	Honeycroft	52.1	54.5	2.4	Minor adverse, not significant	54.3	56.8	2.5	Minor adverse, not significant

Table 7.3.A.3: Predicted level differences and effects during the busiest period for the peak construction year (in 2028)

2028 Busiest Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	73.7	73.6	-0.1	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	68.9	69.3	0.4	Negligible, not significant	66.7	66.8	0.1	Negligible, not significant
3	Satis Coach House	62.4	62.9	0.5	Negligible, not significant	59.8	59.4	-0.4	Negligible, not significant
4	White House	77.1	76.7	-0.4	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.8	72.4	-0.4	Negligible, not significant	72.2	72.1	-0.1	Negligible, not significant
6	Pinn's Piece	66.0	66.4	0.4	Negligible, not significant	64.6	64.7	0.1	Negligible, not significant

2028 Busiest Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Rookery Lodge	67.8	68.6	0.8	Negligible, not significant	66.3	66.3	0.0	Negligible, not significant
8	The Cottage	60.6	62.6	2.0	Minor adverse, not significant	59.6	61.2	1.6	Minor adverse, not significant
9	Sunnypatch	65.6	67.8	2.2	Minor adverse, not significant	63.3	65.7	2.4	Minor adverse, not significant
10	The Limes	73.7	73.5	-0.2	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
11	Tinkers	74.2	74.2	0.0	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	73.5	73.4	-0.1	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant

2028 Busiest Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
13	Medway & White House Cottages	73.8	73.7	-0.1	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.8	73.8	2.0	Minor adverse, not significant	71.2	73.0	1.8	Minor adverse, not significant
15	Rookery Cottages	62.3	64.3	2.0	Minor adverse, not significant	62.5	64.6	2.1	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.8	73.7	-0.1	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	74.4	74.3	-0.1	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	55.5	56.7	1.2	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant

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2028 Busiest Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
19	Pinns Cottage	48.8	49.3	0.5	Negligible, not significant	49.8	50.0	0.2	Negligible, not significant
20	Garden Cottage and Clock House	48.7	50.9	2.2	Minor adverse, not significant	48.2	50.1	1.9	Minor adverse, not significant
21	Cavan Cottage	70.1	70.0	-0.1	Negligible, not significant	68.1	68.1	0.0	Negligible, not significant
22	Manger Cottage	58.9	59.5	0.6	Negligible, not significant	56.2	56.3	0.1	Negligible, not significant
23	Meadowbarn	58.4	59.5	1.1	Minor adverse, not significant	56.5	57.1	0.6	Negligible, not significant
24	Hopton Yard E of Old Barn	62.7	64.7	2.0	Minor adverse, not significant	60.1	62.1	2.0	Minor adverse, not significant

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2028 Busiest Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
25	Honeycroft	61.1	63.1	2.0	Minor adverse, not significant	61.2	63.3	2.1	Minor adverse, not significant

Table 7.3.A.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)

2028 Busiest Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	60.5	60.6	0.1	Negligible, not significant	63.3	63.4	0.1	Negligible, not significant
2	Satis House (Hotel)	57.8	58.2	0.4	Negligible, not significant	61.0	61.0	0.0	Negligible, not significant
3	Satis Coach House	53.3	53.3	0.0	Negligible, not significant	56.4	56.5	0.1	Negligible, not significant
4	White House	62.0	62.0	0.0	Negligible, not significant	64.6	64.9	0.3	Negligible, not significant
5	Sans Souci	60.1	59.9	-0.2	Negligible, not significant	63.0	63.2	0.2	Negligible, not significant
6	Pinn's Piece	56.3	56.5	0.2	Negligible, not significant	59.8	60.2	0.4	Negligible, not significant

2028 Busiest Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Rookery Lodge	57.7	57.9	0.2	Negligible, not significant	61.0	61.1	0.1	Negligible, not significant
8	The Cottage	51.8	53.9	2.1	Minor adverse, not significant	55.7	57.6	1.9	Minor adverse, not significant
9	Sunnypatch	54.1	56.9	2.8	Minor adverse, not significant	55.6	58.5	2.9	Minor adverse, not significant
10	The Limes	60.7	60.9	0.2	Negligible, not significant	63.7	63.9	0.2	Negligible, not significant
11	Tinkers	60.9	61.2	0.3	Negligible, not significant	63.9	64.2	0.3	Negligible, not significant
12	Holly House	60.5	60.7	0.2	Negligible, not significant	63.5	63.7	0.2	Negligible, not significant

2028 Busiest Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
13	Medway & White House Cottages	60.6	60.8	0.2	Negligible, not significant	63.6	63.8	0.2	Negligible, not significant
14	The Old Barn	57.5	60.2	2.7	Minor adverse, not significant	58.3	61.4	3.1	Moderate adverse, significant
15	Rookery Cottages	53.0	55.4	2.4	Minor adverse, not significant	56.8	59.5	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	60.9	61.1	0.2	Negligible, not significant	64.0	64.2	0.2	Negligible, not significant
17	Kings Head PH	60.9	61.0	0.1	Negligible, not significant	63.8	64	0.2	Negligible, not significant
18	Frith House	49.5	50.2	0.7	Negligible, not significant	54.5	55.2	0.7	Negligible, not significant

2028 Busiest Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
19	Pinns Cottage	47.5	47.6	0.1	Negligible, not significant	51.2	52.5	1.3	Minor adverse, not significant
20	Garden Cottage and Clock House	39.1	41.7	2.6	Minor adverse, not significant	42.1	44.4	2.3	Minor adverse, not significant
21	Cavan Cottage	58.7	58.9	0.2	Negligible, not significant	61.8	62	0.2	Negligible, not significant
22	Manger Cottage	50.7	50.4	-0.3	Negligible, not significant	54.1	54.2	0.1	Negligible, not significant
23	Meadowbarn	50.0	50.4	0.4	Negligible, not significant	53.4	54.3	0.9	Negligible, not significant
24	Hopton Yard E of Old Barn	52.4	54.8	2.4	Minor adverse, not significant	55.9	58.3	2.4	Minor adverse, not significant

2028 Busiest Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
25	Honeycroft	52.1	54.5	2.4	Minor adverse, not significant	54.3	56.9	2.6	Minor adverse, not significant

Table 7.3.A.5: Predicted level differences and effects during the typical day in 2034

2034 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Woodlands Cottage	73.7	73.7	0	Negligible, not significant	72.8	72.7	-0.1	Negligible, not significant
2	Satis House (Hotel)	68.9	69.4	0.5	Negligible, not significant	66.9	66.8	-0.1	Negligible, not significant
3	Satis Coach House	62.4	62.7	0.3	Negligible, not significant	60.0	59.0	-1	Negligible, not significant
4	White House	77.1	76.8	-0.3	Negligible, not significant	76.7	76.6	-0.1	Negligible, not significant
5	Sans Souci	72.8	72.4	-0.4	Negligible, not significant	72.4	72.1	-0.3	Negligible, not significant
6	Pinn's Piece	66.0	66.4	0.4	Negligible, not significant	64.8	64.7	-0.1	Negligible, not significant

2034 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
7	Rookery Lodge	67.8	68.6	0.8	Negligible, not significant	66.5	66.3	-0.2	Negligible, not significant
8	The Cottage	60.6	60.4	-0.2	Negligible, not significant	59.8	58.9	-0.9	Negligible, not significant
9	Sunnypatch	65.6	65.3	-0.3	Negligible, not significant	63.5	63.1	-0.4	Negligible, not significant
10	The Limes	73.7	73.6	-0.1	Negligible, not significant	72.8	72.7	-0.1	Negligible, not significant
11	Tinkers	74.2	74.3	0.1	Negligible, not significant	73.9	73.6	-0.3	Negligible, not significant
12	Holly House	73.5	73.5	0	Negligible, not significant	73.0	72.9	-0.1	Negligible, not significant
13	Medway & White House Cottages	73.8	73.8	0	Negligible, not significant	73.3	73.2	-0.1	Negligible, not significant

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2034 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
14	The Old Barn	71.8	71.3	-0.5	Negligible, not significant	71.4	70.5	-0.9	Negligible, not significant
15	Rookery Cottages	62.3	61.8	-0.5	Negligible, not significant	62.7	62.1	-0.6	Negligible, not significant
16	Wormley Bury, Rosewood, Southern	73.8	73.8	0	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
17	Kings Head PH	74.4	74.4	0	Negligible, not significant	73.8	73.5	-0.3	Negligible, not significant
18	Frith House	55.5	56.6	1.1	Negligible, not significant	54.9	55.8	0.9	Negligible, not significant
19	Pinns Cottage	48.8	49.2	0.4	Negligible, not significant	50.0	49.8	-0.2	Negligible, not significant
20	Garden Cottage and Clock House	48.7	49.8	1.1	Negligible, not significant	48.4	48.9	0.5	Negligible, not significant

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2034 Typical Day		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
21	Cavan Cottage	70.1	70.1	0	Negligible, not significant	68.3	68.1	-0.2	Negligible, not significant
22	Manger Cottage	58.9	59.3	0.4	Negligible, not significant	56.4	55.9	-0.5	Negligible, not significant
23	Meadowbarn	58.4	58.9	0.5	Negligible, not significant	56.7	56.5	-0.2	Negligible, not significant
24	Hopton Yard E of Old Barn	62.7	62.2	-0.5	Negligible, not significant	60.4	59.5	-0.9	Negligible, not significant
25	Honeycroft	61.1	60.7	-0.4	Negligible, not significant	61.5	60.7	-0.8	Negligible, not significant

Table 7.3.A.6: Predicted level differences and effects for the typical night in 2034

2034 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Woodlands Cottage	60.5	60.4	-0.1	Negligible, not significant	63.5	63.2	-0.3	Negligible, not significant
2	Satis House (Hotel)	57.8	58.0	0.2	Negligible, not significant	61.2	60.7	-0.5	Negligible, not significant
3	Satis Coach House	53.3	53.2	-0.1	Negligible, not significant	56.7	55.4	-1.3	Negligible, not significant
4	White House	62.0	61.8	-0.2	Negligible, not significant	64.8	64.6	-0.2	Negligible, not significant
5	Sans Souci	60.1	59.7	-0.4	Negligible, not significant	63.2	62.9	-0.3	Negligible, not significant
6	Pinn's Piece	56.3	56.4	0.1	Negligible, not significant	60.0	59.7	-0.3	Negligible, not significant

2034 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
7	Rookery Lodge	57.7	57.7	0.0	Negligible, not significant	61.2	60.6	-0.6	Negligible, not significant
8	The Cottage	51.8	51.7	-0.1	Negligible, not significant	55.8	55.3	-0.5	Negligible, not significant
9	Sunnypatch	54.1	54.5	0.4	Negligible, not significant	55.8	55.9	0.1	Negligible, not significant
10	The Limes	60.7	60.7	0.0	Negligible, not significant	63.8	63.7	-0.1	Negligible, not significant
11	Tinkers	60.9	61.0	0.1	Negligible, not significant	64.1	63.9	-0.2	Negligible, not significant
12	Holly House	60.5	60.5	0.0	Negligible, not significant	63.7	63.5	-0.2	Negligible, not significant
13	Medway & White House Cottages	60.6	60.6	0.0	Negligible, not significant	63.7	63.6	-0.1	Negligible, not significant

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2034 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
14	The Old Barn	57.5	57.5	0.0	Negligible, not significant	58.5	58.2	-0.3	Negligible, not significant
15	Rookery Cottages	53.0	52.9	-0.1	Negligible, not significant	56.9	57.0	0.1	Negligible, not significant
16	Wormley Bury, Rosewood, Southern	60.9	61.0	0.1	Negligible, not significant	64.1	64.0	-0.1	Negligible, not significant
17	Kings Head PH	60.9	61.0	0.1	Negligible, not significant	64.0	63.8	-0.2	Negligible, not significant
18	Frith House	49.5	50.1	0.6	Negligible, not significant	54.6	54.7	0.1	Negligible, not significant
19	Pinns Cottage	47.5	47.6	0.1	Negligible, not significant	51.3	52.0	0.7	Negligible, not significant
20	Garden Cottage and Clock House	39.1	39.9	0.8	Negligible, not significant	42.4	42.7	0.3	Negligible, not significant

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2034 Typical Night		As submitted in ES Volume 7, Chapter 4				Corrected values – November 2020			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
21	Cavan Cottage	58.7	58.7	0.0	Negligible, not significant	61.9	61.8	-0.1	Negligible, not significant
22	Manger Cottage	50.7	50.4	-0.3	Negligible, not significant	54.3	53.3	-1.0	Negligible, not significant
23	Meadowbarn	50.0	50.4	0.4	Negligible, not significant	53.4	53.5	0.1	Negligible, not significant
24	Hopton Yard E of Old Barn	52.4	52.3	-0.1	Negligible, not significant	56.0	55.9	-0.1	Negligible, not significant
25	Honeycroft	52.1	52.1	0.0	Negligible, not significant	54.4	54.3	-0.1	Negligible, not significant

APPENDIX 7.3.B: YOXFORD ROUNDABOUT – ROAD TRAFFIC NOISE LEVELS, UPDATED FOR REFINEMENTS TO THE STRATEGIC TRAFFIC MODEL

APPENDIX 7.3.B: INTRODUCTION

- 1.1.1 This appendix contains road traffic noise level predictions for Yoxford Roundabout that have been updated from those contained in **Volume 7, Chapter 4** of the **ES** (Doc Ref 6.8) [APP-484] to take account of changes to the refined strategic traffic model.
- 1.1.2 Tables presented show the corrected predicted noise levels, as set out in **Appendix 7.3.A** of this **ES Addendum**, and the values updated to take account of the changes to the refined strategic traffic model, for the following scenarios:
- Table 7.3.B.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)
 - Table 7.3.B.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)
 - Table 7.3.B.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)
 - Table 7.3.B.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)
 - Table 7.3.B.5: Predicted level differences and effects for the typical day in 2034
 - Table 7.3.B.6: Predicted level differences and effects for the typical night in 2034
- 1.1.3 Where the updated predicted levels cause a change in the assessment outcome that is worse than that for the corrected values reported in **Appendix 7.3.A** of this **ES Addendum**, the cell containing the assessment effect is coloured orange. Where the updated predicted levels cause a change in the assessment outcome that is better than that for the corrected values reported in **Appendix 7.3.A** of this **ES Addendum**, the cell containing the assessment effect is coloured green. Where the updated predicted levels do not cause a change in the assessment outcome, the cell is not shaded with any colour.

Table 7.3.B.1: Predicted level differences and effects during the typical period for the peak construction year (in 2028)

2028 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	66.7	66.8	0.1	Negligible, not significant	66.7	66.8	0.1	Negligible, not significant
3	Satis Coach House	59.8	59.4	-0.4	Negligible, not significant	59.8	59.2	-0.6	Negligible, not significant
4	White House	76.5	76.6	0.1	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.2	72.1	-0.1	Negligible, not significant	72.2	72.1	-0.1	Negligible, not significant
6	Pinn's Piece	64.6	64.7	0.1	Negligible, not significant	64.6	64.6	0.0	Negligible, not significant
7	Rookery Lodge	66.3	66.3	0.0	Negligible, not significant	66.3	66.2	-0.1	Negligible, not significant

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2028 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	The Cottage	59.6	61.2	1.6	Minor adverse, not significant	59.6	61.0	1.4	Minor adverse, not significant
9	Sunnypatch	63.3	65.7	2.4	Minor adverse, not significant	63.3	65.4	2.1	Minor adverse, not significant
10	The Limes	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
11	Tinkers	73.7	73.6	-0.1	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	72.8	72.8	0.0	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant
13	Medway & White House Cottages	73.1	73.1	0.0	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.2	73.0	1.8	Minor adverse,	71.2	72.7	1.5	Minor adverse,

2028 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
					not significant				not significant
15	Rookery Cottages	62.5	64.6	2.1	Minor adverse, not significant	62.5	64.4	1.9	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.4	73.2	-0.2	Negligible, not significant	73.4	73.3	-0.1	Negligible, not significant
17	Kings Head PH	73.6	73.4	-0.2	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	54.7	55.8	1.1	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant
19	Pinns Cottage	49.8	50.0	0.2	Negligible, not significant	49.8	49.9	0.1	Negligible, not significant
20	Garden Cottage and Clock House	48.2	50.1	1.9	Minor adverse, not significant	48.2	49.9	1.7	Minor adverse, not significant

2028 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
21	Cavan Cottage	68.1	68.1	0.0	Negligible, not significant	68.1	68.1	0.0	Negligible, not significant
22	Manger Cottage	56.2	56.3	0.1	Negligible, not significant	56.2	56.2	0.0	Negligible, not significant
23	Meadowbarn	56.5	57.1	0.6	Negligible, not significant	56.5	57.0	0.5	Negligible, not significant
24	Hopton Yard E of Old Barn	60.1	62.1	2.0	Minor adverse, not significant	60.1	61.8	1.7	Minor adverse, not significant
25	Honeycroft	61.2	63.3	2.1	Minor adverse, not significant	61.2	63.0	1.8	Minor adverse, not significant

Table 7.3.B.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)

2028 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	63.3	63.4	0.1	Negligible, not significant	63.3	63.4	0.1	Negligible, not significant
2	Satis House (Hotel)	61.0	61.0	0.0	Negligible, not significant	61.0	60.9	-0.1	Negligible, not significant
3	Satis Coach House	56.4	56.4	0.0	Negligible, not significant	56.4	56.3	-0.1	Negligible, not significant
4	White House	64.6	64.9	0.3	Negligible, not significant	64.6	64.9	0.3	Negligible, not significant
5	Sans Souci	63.0	63.2	0.2	Negligible, not significant	63.0	63.1	0.1	Negligible, not significant
6	Pinn's Piece	59.8	60.1	0.3	Negligible, not significant	59.8	59.9	0.1	Negligible, not significant

2028 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
7	Rookery Lodge	61.0	61.0	0.0	Negligible, not significant	61.0	60.9	-0.1	Negligible, not significant
8	The Cottage	55.7	57.6	1.9	Minor adverse, not significant	55.7	57.6	1.9	Minor adverse, not significant
9	Sunnypatch	55.6	58.4	2.8	Minor adverse, not significant	55.6	58.5	2.9	Minor adverse, not significant
10	The Limes	63.7	63.9	0.2	Negligible, not significant	63.7	63.8	0.1	Negligible, not significant
11	Tinkers	63.9	64.1	0.2	Negligible, not significant	63.9	64.1	0.2	Negligible, not significant
12	Holly House	63.5	63.7	0.2	Negligible, not significant	63.5	63.7	0.2	Negligible, not significant
13	Medway & White House Cottages	63.6	63.8	0.2	Negligible, not significant	63.6	63.8	0.2	Negligible, not significant

2028 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
14	The Old Barn	58.3	61.3	3.0	Moderate adverse, significant	58.3	61.4	3.1	Moderate adverse, significant
15	Rookery Cottages	56.8	59.5	2.7	Minor adverse, not significant	56.8	59.5	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	64.0	64.2	0.2	Negligible, not significant	64.0	64.2	0.2	Negligible, not significant
17	Kings Head PH	63.8	64.0	0.2	Negligible, not significant	63.8	63.9	0.1	Negligible, not significant
18	Frith House	54.5	55.2	0.7	Negligible, not significant	54.5	55.1	0.6	Negligible, not significant
19	Pinns Cottage	51.2	52.5	1.3	Minor adverse, not significant	51.2	52.4	1.2	Minor adverse, not significant
20	Garden Cottage and Clock House	42.1	44.3	2.2	Minor adverse, not significant	42.1	44.3	2.2	Minor adverse, not significant

2028 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
21	Cavan Cottage	61.8	62.0	0.2	Negligible, not significant	61.8	62.0	0.2	Negligible, not significant
22	Manger Cottage	54.1	54.2	0.1	Negligible, not significant	54.1	54.2	0.1	Negligible, not significant
23	Meadowbarn	53.4	54.3	0.9	Negligible, not significant	53.4	54.2	0.8	Negligible, not significant
24	Hopton Yard E of Old Barn	55.9	58.3	2.4	Minor adverse, not significant	55.9	58.3	2.4	Minor adverse, not significant
25	Honeycroft	54.3	56.8	2.5	Minor adverse, not significant	54.3	56.9	2.6	Minor adverse, not significant

Table 7.3.B.3: Predicted level differences and effects during the busiest period for the peak construction year (in 2028)

2028 Busiest Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	66.7	66.8	0.1	Negligible, not significant	66.7	66.7	0.0	Negligible, not significant
3	Satis Coach House	59.8	59.4	-0.4	Negligible, not significant	59.8	59.0	-0.8	Negligible, not significant
4	White House	76.5	76.6	0.1	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.2	72.1	-0.1	Negligible, not significant	72.2	72.1	-0.1	Negligible, not significant
6	Pinn's Piece	64.6	64.7	0.1	Negligible, not significant	64.6	64.5	-0.1	Negligible, not significant
7	Rookery Lodge	66.3	66.3	0.0	Negligible, not significant	66.3	66.1	-0.2	Negligible, not significant

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2028 Busiest Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	The Cottage	59.6	61.2	1.6	Minor adverse, not significant	59.6	60.9	1.3	Minor adverse, not significant
9	Sunnypatch	63.3	65.7	2.4	Minor adverse, not significant	63.3	65.4	2.1	Minor adverse, not significant
10	The Limes	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
11	Tinkers	73.7	73.6	-0.1	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	72.8	72.8	0.0	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant
13	Medway & White House Cottages	73.1	73.1	0.0	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.2	73.0	1.8	Minor adverse,	71.2	72.8	1.6	Minor adverse,

2028 Busiest Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
					not significant				not significant
15	Rookery Cottages	62.5	64.6	2.1	Minor adverse, not significant	62.5	64.4	1.9	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.4	73.2	-0.2	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	73.6	73.4	-0.2	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	54.7	55.8	1.1	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant
19	Pinns Cottage	49.8	50.0	0.2	Negligible, not significant	49.8	49.8	0.0	Negligible, not significant
20	Garden Cottage and Clock House	48.2	50.1	1.9	Minor adverse, not significant	48.2	49.8	1.6	Minor adverse, not significant

2028 Busiest Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
21	Cavan Cottage	68.1	68.1	0.0	Negligible, not significant	68.1	68.1	0.0	Negligible, not significant
22	Manger Cottage	56.2	56.3	0.1	Negligible, not significant	56.2	56.1	-0.1	Negligible, not significant
23	Meadowbarn	56.5	57.1	0.6	Negligible, not significant	56.5	57.0	0.5	Negligible, not significant
24	Hopton Yard E of Old Barn	60.1	62.1	2.0	Minor adverse, not significant	60.1	61.8	1.7	Minor adverse, not significant
25	Honeycroft	61.2	63.3	2.1	Minor adverse, not significant	61.2	63.0	1.8	Minor adverse, not significant

Table 7.3.B.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)

2028 Busiest Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	63.3	63.4	0.1	Negligible, not significant	63.3	63.4	0.1	Negligible, not significant
2	Satis House (Hotel)	61.0	61	0.0	Negligible, not significant	61.0	60.8	-0.2	Negligible, not significant
3	Satis Coach House	56.4	56.5	0.1	Negligible, not significant	56.4	56.0	-0.4	Negligible, not significant
4	White House	64.6	64.9	0.3	Negligible, not significant	64.6	64.9	0.3	Negligible, not significant
5	Sans Souci	63.0	63.2	0.2	Negligible, not significant	63.0	63.1	0.1	Negligible, not significant
6	Pinn's Piece	59.8	60.2	0.4	Negligible, not significant	59.8	59.9	0.1	Negligible, not significant
7	Rookery Lodge	61.0	61.1	0.1	Negligible, not significant	61.0	60.9	-0.1	Negligible, not significant

2028 Busiest Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	The Cottage	55.7	57.6	1.9	Minor adverse, not significant	55.7	57.6	1.9	Minor adverse, not significant
9	Sunnypatch	55.6	58.5	2.9	Minor adverse, not significant	55.6	58.4	2.8	Minor adverse, not significant
10	The Limes	63.7	63.9	0.2	Negligible, not significant	63.7	63.8	0.1	Negligible, not significant
11	Tinkers	63.9	64.2	0.3	Negligible, not significant	63.9	64.1	0.2	Negligible, not significant
12	Holly House	63.5	63.7	0.2	Negligible, not significant	63.5	63.7	0.2	Negligible, not significant
13	Medway & White House Cottages	63.6	63.8	0.2	Negligible, not significant	63.6	63.7	0.1	Negligible, not significant
14	The Old Barn	58.3	61.4	3.1	Moderate adverse, significant	58.3	61.4	3.1	Moderate adverse, significant

2028 Busiest Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Rookery Cottages	56.8	59.5	2.7	Minor adverse, not significant	56.8	59.5	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	64.0	64.2	0.2	Negligible, not significant	64.0	64.1	0.1	Negligible, not significant
17	Kings Head PH	63.8	64	0.2	Negligible, not significant	63.8	63.8	0.0	Negligible, not significant
18	Frith House	54.5	55.2	0.7	Negligible, not significant	54.5	54.8	0.3	Negligible, not significant
19	Pinns Cottage	51.2	52.5	1.3	Minor adverse, not significant	51.2	51.9	0.7	Negligible, not significant
20	Garden Cottage and Clock House	42.1	44.4	2.3	Minor adverse, not significant	42.1	43.9	1.8	Minor adverse, not significant
21	Cavan Cottage	61.8	62	0.2	Negligible, not significant	61.8	61.9	0.1	Negligible, not significant

2028 Busiest Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Manger Cottage	54.1	54.2	0.1	Negligible, not significant	54.1	53.8	-0.3	Negligible, not significant
23	Meadowbarn	53.4	54.3	0.9	Negligible, not significant	53.4	53.7	0.3	Negligible, not significant
24	Hopton Yard E of Old Barn	55.9	58.3	2.4	Minor adverse, not significant	55.9	58.3	2.4	Minor adverse, not significant
25	Honeycroft	54.3	56.9	2.6	Minor adverse, not significant	54.3	56.9	2.6	Minor adverse, not significant

Table 7.3.B.5: Predicted level differences and effects during the typical day in 2034

2034 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Woodlands Cottage	72.8	72.7	-0.1	Negligible, not significant	72.7	72.7	0.0	Negligible, not significant
2	Satis House (Hotel)	66.9	66.8	-0.1	Negligible, not significant	66.9	66.8	-0.1	Negligible, not significant
3	Satis Coach House	60.0	59.0	-1	Negligible, not significant	60.0	59.0	-1.0	Negligible, not significant
4	White House	76.7	76.6	-0.1	Negligible, not significant	76.7	76.6	-0.1	Negligible, not significant
5	Sans Souci	72.4	72.1	-0.3	Negligible, not significant	72.3	72.1	-0.2	Negligible, not significant
6	Pinn's Piece	64.8	64.7	-0.1	Negligible, not significant	64.8	64.7	-0.1	Negligible, not significant
7	Rookery Lodge	66.5	66.3	-0.2	Negligible, not significant	66.4	66.3	-0.1	Negligible, not significant

2034 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
8	The Cottage	59.8	58.9	-0.9	Negligible, not significant	59.8	58.8	-1.0	Negligible, not significant
9	Sunnypatch	63.5	63.1	-0.4	Negligible, not significant	63.5	63.0	-0.5	Negligible, not significant
10	The Limes	72.8	72.7	-0.1	Negligible, not significant	72.8	72.7	-0.1	Negligible, not significant
11	Tinkers	73.9	73.6	-0.3	Negligible, not significant	73.8	73.6	-0.2	Negligible, not significant
12	Holly House	73.0	72.9	-0.1	Negligible, not significant	73.0	72.9	-0.1	Negligible, not significant
13	Medway & White House Cottages	73.3	73.2	-0.1	Negligible, not significant	73.3	73.2	-0.1	Negligible, not significant
14	The Old Barn	71.4	70.5	-0.9	Negligible, not significant	71.4	70.3	-1.1	Negligible, not significant

2034 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
15	Rookery Cottages	62.7	62.1	-0.6	Negligible, not significant	62.7	62.0	-0.7	Negligible, not significant
16	Wormley Bury, Rosewood, Southern	73.6	73.4	-0.2	Negligible, not significant	73.6	73.3	-0.3	Negligible, not significant
17	Kings Head PH	73.8	73.5	-0.3	Negligible, not significant	73.8	73.5	-0.3	Negligible, not significant
18	Frith House	54.9	55.8	0.9	Negligible, not significant	54.8	55.8	1.0	Negligible, not significant
19	Pinns Cottage	50.0	49.8	-0.2	Negligible, not significant	50.0	49.8	-0.2	Negligible, not significant
20	Garden Cottage and Clock House	48.4	48.9	0.5	Negligible, not significant	48.4	48.8	0.4	Negligible, not significant
21	Cavan Cottage	68.3	68.1	-0.2	Negligible, not significant	68.3	68.1	-0.2	Negligible, not significant

2034 Typical Day		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
22	Manger Cottage	56.4	55.9	-0.5	Negligible, not significant	56.4	55.9	-0.5	Negligible, not significant
23	Meadowbarn	56.7	56.5	-0.2	Negligible, not significant	56.6	56.5	-0.1	Negligible, not significant
24	Hopton Yard E of Old Barn	60.4	59.5	-0.9	Negligible, not significant	60.3	59.4	-0.9	Negligible, not significant
25	Honeycroft	61.5	60.7	-0.8	Negligible, not significant	61.4	60.6	-0.8	Negligible, not significant

Table 7.3.B.6: Predicted level differences and effects for the typical night in 2034

2034 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
1	Woodlands Cottage	63.5	63.2	-0.3	Negligible, not significant	63.4	63.2	-0.2	Negligible, not significant
2	Satis House (Hotel)	61.2	60.7	-0.5	Negligible, not significant	60.9	60.6	-0.3	Negligible, not significant
3	Satis Coach House	56.7	55.4	-1.3	Negligible, not significant	55.5	55.4	-0.1	Negligible, not significant
4	White House	64.8	64.6	-0.2	Negligible, not significant	64.7	64.6	-0.1	Negligible, not significant
5	Sans Souci	63.2	62.9	-0.3	Negligible, not significant	63.0	62.9	-0.1	Negligible, not significant
6	Pinn's Piece	60	59.7	-0.3	Negligible, not significant	59.3	59.7	0.4	Negligible, not significant
7	Rookery Lodge	61.2	60.6	-0.6	Negligible, not significant	60.5	60.6	0.1	Negligible, not significant

2034 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
8	The Cottage	55.8	55.3	-0.5	Negligible, not significant	55.7	55.2	-0.5	Negligible, not significant
9	Sunnypatch	55.8	55.9	0.1	Negligible, not significant	55.7	55.9	0.2	Negligible, not significant
10	The Limes	63.8	63.7	-0.1	Negligible, not significant	63.8	63.6	-0.2	Negligible, not significant
11	Tinkers	64.1	63.9	-0.2	Negligible, not significant	64.1	64.0	-0.1	Negligible, not significant
12	Holly House	63.7	63.5	-0.2	Negligible, not significant	63.6	63.5	-0.1	Negligible, not significant
13	Medway & White House Cottages	63.7	63.6	-0.1	Negligible, not significant	63.7	63.6	-0.1	Negligible, not significant
14	The Old Barn	58.5	58.2	-0.3	Negligible, not significant	58.4	58.0	-0.4	Negligible, not significant
15	Rookery Cottages	56.9	57.0	0.1	Negligible, not significant	56.9	56.9	0.0	Negligible, not significant

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2034 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
16	Wormley Bury, Rosewood, Southern	64.1	64.0	-0.1	Negligible, not significant	64.1	64.0	-0.1	Negligible, not significant
17	Kings Head PH	64	63.8	-0.2	Negligible, not significant	63.9	63.8	-0.1	Negligible, not significant
18	Frith House	54.6	54.7	0.1	Negligible, not significant	54.3	54.7	0.4	Negligible, not significant
19	Pinns Cottage	51.3	52.0	0.7	Negligible, not significant	50.9	52.0	1.1	Negligible, not significant
20	Garden Cottage and Clock House	42.4	42.7	0.3	Negligible, not significant	41.7	42.6	0.9	Negligible, not significant
21	Cavan Cottage	61.9	61.8	-0.1	Negligible, not significant	61.9	61.8	-0.1	Negligible, not significant
22	Manger Cottage	54.3	53.3	-1.0	Negligible, not significant	53.3	53.3	0.0	Negligible, not significant
23	Meadowbarn	53.4	53.5	0.1	Negligible, not significant	52.0	53.4	1.4	Negligible, not significant

2034 Typical Night		Corrected values				Refined Strategic Traffic Model – predicted levels			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2034	With development 2034			Baseline 2034	With development 2034		
24	Hopton Yard E of Old Barn	56	55.9	-0.1	Negligible, not significant	56.0	55.9	-0.1	Negligible, not significant
25	Honeycroft	54.4	54.3	-0.1	Negligible, not significant	54.4	54.2	-0.2	Negligible, not significant

APPENDIX 7.3.C:YOXFORD ROUNDABOUT – NEW ROAD TRAFFIC NOISE LEVEL PREDICTIONS RESULTING FROM UPDATE TO FREIGHT MANAGEMENT STRATEGY

APPENDIX 7.3.C: INTRODUCTION

- 1.1.1 This appendix contains new road traffic noise level predictions for Yoxford Roundabout that take account of the reduction in HGV numbers as a result of the updated Freight Management Strategy.
- 1.1.2 Tables presented show the new predicted road traffic noise levels and the values updated to take account of the changes to the refined strategic traffic model, as reported in **Appendix 7.3.B** of this **ES Addendum**, for the following scenarios:
- Table 7.3.C.1: Predicted level differences and effects for the typical day in the peak construction year (in 2028)
 - Table 7.3.C.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)
 - Table 7.3.C.3: Predicted level differences and effects for the busiest day in the peak construction year (in 2028)
 - Table 7.3.C.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)
- 1.1.3 Where the new predicted road traffic noise levels cause a change in the assessment outcome that is worse than that for the values that were updated for the changes in the refined strategic traffic model, as reported in **Appendix 7.3.B** of this **ES Addendum**, the cell containing the assessment effect is coloured orange. Where the new predicted road traffic noise levels cause a change in the assessment outcome that is better than that for the values that were updated for the changes in the refined strategic traffic model, as reported in **Appendix 7.3.B** of this **ES Addendum**, the cell containing the assessment effect is coloured green. Where the new predicted levels do not cause a change in the assessment outcome, the cell is not shaded with any colour.

Table 7.3.C.1: Predicted level differences and effects during the typical period for the peak construction year (in 2028)

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	66.7	66.8	0.1	Negligible, not significant	66.7	66.8	0.1	Negligible, not significant
3	Satis Coach House	59.8	59.2	-0.6	Negligible, not significant	59.8	59.2	-0.6	Negligible, not significant
4	White House	76.5	76.6	0.1	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.2	72.1	-0.1	Negligible, not significant	72.2	72.0	-0.2	Negligible, not significant
6	Pinn's Piece	64.6	64.6	0.0	Negligible, not significant	64.6	64.6	0.0	Negligible, not significant
7	Rookery Lodge	66.3	66.2	-0.1	Negligible, not significant	66.3	66.2	-0.1	Negligible, not significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	The Cottage	59.6	61.0	1.4	Minor adverse, not significant	59.6	60.6	1.0	Minor adverse, not significant
9	Sunnypatch	63.3	65.4	2.1	Minor adverse, not significant	63.3	64.9	1.6	Minor adverse, not significant
10	The Limes	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
11	Tinkers	73.7	73.6	-0.1	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	72.8	72.8	0.0	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant
13	Medway & White House Cottages	73.1	73.1	0.0	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.2	72.7	1.5	Minor adverse, not significant	71.2	72.6	1.4	Minor adverse, not significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Rookery Cottages	62.5	64.4	1.9	Minor adverse, not significant	62.5	63.9	1.4	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.4	73.3	-0.1	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	73.6	73.4	-0.2	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	54.7	55.8	1.1	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant
19	Pinns Cottage	49.8	49.9	0.1	Negligible, not significant	49.8	49.9	0.1	Negligible, not significant
20	Garden Cottage and Clock House	48.2	49.9	1.7	Minor adverse, not significant	48.2	49.7	1.5	Minor adverse, not significant
21	Cavan Cottage	68.1	68.1	0.0	Negligible, not significant	68.1	68.1	0.0	Negligible, not significant

2028 Typical Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Manger Cottage	56.2	56.2	0.0	Negligible, not significant	56.2	56.1	-0.1	Negligible, not significant
23	Meadowbarn	56.5	57.0	0.5	Negligible, not significant	56.5	56.9	0.4	Negligible, not significant
24	Hopton Yard E of Old Barn	60.1	61.8	1.7	Minor adverse, not significant	60.1	61.6	1.5	Minor adverse, not significant
25	Honeycroft	61.2	63.0	1.8	Minor adverse, not significant	61.2	62.6	1.4	Minor adverse, not significant

Table 7.3.C.2: Predicted level differences and effects for the typical night in the peak construction year (in 2028)

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	63.3	63.4	0.1	Negligible, not significant	63.3	63.4	0.1	Negligible, not significant
2	Satis House (Hotel)	61.0	60.9	-0.1	Negligible, not significant	61.0	60.9	-0.1	Negligible, not significant
3	Satis Coach House	56.4	56.3	-0.1	Negligible, not significant	56.4	56.3	-0.1	Negligible, not significant
4	White House	64.6	64.9	0.3	Negligible, not significant	64.6	64.9	0.3	Negligible, not significant
5	Sans Souci	63.0	63.1	0.1	Negligible, not significant	63.0	63.1	0.1	Negligible, not significant
6	Pinn's Piece	59.8	59.9	0.1	Negligible, not significant	59.8	59.9	0.1	Negligible, not significant
7	Rookery Lodge	61.0	60.9	-0.1	Negligible, not significant	61.0	60.9	-0.1	Negligible, not significant
8	The Cottage	55.7	57.6	1.9	Minor adverse, not significant	55.7	57.6	1.9	Minor adverse, not significant

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
9	Sunnypatch	55.6	58.5	2.9	Minor adverse, not significant	55.6	58.5	2.9	Minor adverse, not significant
10	The Limes	63.7	63.8	0.1	Negligible, not significant	63.7	63.8	0.1	Negligible, not significant
11	Tinkers	63.9	64.1	0.2	Negligible, not significant	63.9	64.1	0.2	Negligible, not significant
12	Holly House	63.5	63.7	0.2	Negligible, not significant	63.5	63.7	0.2	Negligible, not significant
13	Medway & White House Cottages	63.6	63.8	0.2	Negligible, not significant	63.6	63.8	0.2	Negligible, not significant
14	The Old Barn	58.3	61.4	3.1	Moderate adverse, significant	58.3	61.4	3.1	Moderate adverse, significant
15	Rookery Cottages	56.8	59.5	2.7	Minor adverse, not significant	56.8	59.5	2.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	64.0	64.2	0.2	Negligible, not significant	64.0	64.2	0.2	Negligible, not significant
17	Kings Head PH	63.8	63.9	0.1	Negligible, not significant	63.8	63.9	0.1	Negligible, not significant

2028 Typical Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
18	Frith House	54.5	55.1	0.6	Negligible, not significant	54.5	55.1	0.6	Negligible, not significant
19	Pinns Cottage	51.2	52.4	1.2	Minor adverse, not significant	51.2	52.4	1.2	Minor adverse, not significant
20	Garden Cottage and Clock House	42.1	44.3	2.2	Minor adverse, not significant	42.1	44.3	2.2	Minor adverse, not significant
21	Cavan Cottage	61.8	62.0	0.2	Negligible, not significant	61.8	62.0	0.2	Negligible, not significant
22	Manger Cottage	54.1	54.2	0.1	Negligible, not significant	54.1	54.2	0.1	Negligible, not significant
23	Meadowbarn	53.4	54.2	0.8	Negligible, not significant	53.4	54.2	0.8	Negligible, not significant
24	Hopton Yard E of Old Barn	55.9	58.3	2.4	Minor adverse, not significant	55.9	58.3	2.4	Minor adverse, not significant
25	Honeycroft	54.3	56.9	2.6	Minor adverse, not significant	54.3	56.9	2.6	Minor adverse, not significant

Table 7.3.C.3: Predicted level differences and effects during the busiest period for the peak construction year (in 2028)

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10} , 18h, dB		Difference, dB	Effect	Day, L _{A10} , 18h, dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
2	Satis House (Hotel)	66.7	66.7	0.0	Negligible, not significant	66.7	66.7	0.0	Negligible, not significant
3	Satis Coach House	59.8	59.0	-0.8	Negligible, not significant	59.8	59.0	-0.8	Negligible, not significant
4	White House	76.5	76.6	0.1	Negligible, not significant	76.5	76.6	0.1	Negligible, not significant
5	Sans Souci	72.2	72.1	-0.1	Negligible, not significant	72.2	72.1	-0.1	Negligible, not significant
6	Pinn's Piece	64.6	64.5	-0.1	Negligible, not significant	64.6	64.5	-0.1	Negligible, not significant
7	Rookery Lodge	66.3	66.1	-0.2	Negligible, not significant	66.3	66.1	-0.2	Negligible, not significant

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
8	The Cottage	59.6	60.9	1.3	Minor adverse, not significant	59.6	60.8	1.2	Minor adverse, not significant
9	Sunnypatch	63.3	65.4	2.1	Minor adverse, not significant	63.3	65.2	1.9	Minor adverse, not significant
10	The Limes	72.6	72.6	0.0	Negligible, not significant	72.6	72.6	0.0	Negligible, not significant
11	Tinkers	73.7	73.6	-0.1	Negligible, not significant	73.7	73.6	-0.1	Negligible, not significant
12	Holly House	72.8	72.8	0.0	Negligible, not significant	72.8	72.8	0.0	Negligible, not significant
13	Medway & White House Cottages	73.1	73.1	0.0	Negligible, not significant	73.1	73.1	0.0	Negligible, not significant
14	The Old Barn	71.2	72.8	1.6	Minor adverse, not significant	71.2	72.6	1.4	Minor adverse, not significant

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
15	Rookery Cottages	62.5	64.4	1.9	Minor adverse, not significant	62.5	64.2	1.7	Minor adverse, not significant
16	Wormley Bury, Rosewood, Southern	73.4	73.2	-0.2	Negligible, not significant	73.4	73.2	-0.2	Negligible, not significant
17	Kings Head PH	73.6	73.4	-0.2	Negligible, not significant	73.6	73.4	-0.2	Negligible, not significant
18	Frith House	54.7	55.8	1.1	Minor adverse, not significant	54.7	55.8	1.1	Minor adverse, not significant
19	Pinns Cottage	49.8	49.8	0.0	Negligible, not significant	49.8	49.8	0.0	Negligible, not significant
20	Garden Cottage and Clock House	48.2	49.8	1.6	Minor adverse, not significant	48.2	49.8	1.6	Minor adverse, not significant
21	Cavan Cottage	68.1	68.1	0.0	Negligible, not significant	68.1	68.1	0.0	Negligible, not significant

2028 Busiest Day		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Day, L _{A10, 18h} , dB		Difference, dB	Effect	Day, L _{A10, 18h} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
22	Manger Cottage	56.2	56.1	-0.1	Negligible, not significant	56.2	56.1	-0.1	Negligible, not significant
23	Meadowbarn	56.5	57.0	0.5	Negligible, not significant	56.5	57.0	0.5	Negligible, not significant
24	Hopton Yard E of Old Barn	60.1	61.8	1.7	Minor adverse, not significant	60.1	61.6	1.5	Minor adverse, not significant
25	Honeycroft	61.2	63.0	1.8	Minor adverse, not significant	61.2	62.8	1.6	Minor adverse, not significant

Table 7.3.C.4: Predicted level differences and effects for the busiest night in the peak construction year (in 2028)

2028 Busiest Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
1	Woodlands Cottage	63.3	63.4	0.1	Negligible, not significant	63.3	63.4	0.1	Negligible, not significant
2	Satis House (Hotel)	61.0	60.8	-0.2	Negligible, not significant	61.0	61.0	0.0	Negligible, not significant
3	Satis Coach House	56.4	56.0	-0.4	Negligible, not significant	56.4	56.0	-0.4	Negligible, not significant
4	White House	64.6	64.9	0.3	Negligible, not significant	64.6	64.9	0.3	Negligible, not significant
5	Sans Souci	63.0	63.1	0.1	Negligible, not significant	63.0	63.1	0.1	Negligible, not significant
6	Pinn's Piece	59.8	59.9	0.1	Negligible, not significant	59.8	59.9	0.1	Negligible, not significant
7	Rookery Lodge	61.0	60.9	-0.1	Negligible, not significant	61.0	60.9	-0.1	Negligible, not significant
8	The Cottage	55.7	57.6	1.9	Minor adverse,	55.7	57.6	1.9	Minor adverse,

2028 Busiest Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
					not significant				not significant
9	Sunnypatch	55.6	58.4	2.8	Minor adverse, not significant	55.6	58.4	2.8	Minor adverse, not significant
10	The Limes	63.7	63.8	0.1	Negligible, not significant	63.7	63.8	0.1	Negligible, not significant
11	Tinkers	63.9	64.1	0.2	Negligible, not significant	63.9	64.1	0.2	Negligible, not significant
12	Holly House	63.5	63.7	0.2	Negligible, not significant	63.5	63.7	0.2	Negligible, not significant
13	Medway & White House Cottages	63.6	63.7	0.1	Negligible, not significant	63.6	63.7	0.1	Negligible, not significant
14	The Old Barn	58.3	61.4	3.1	Moderate adverse, significant	58.3	61.4	3.1	Moderate adverse, significant
15	Rookery Cottages	56.8	59.5	2.7	Minor adverse,	56.8	59.5	2.7	Minor adverse,

2028 Busiest Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
					not significant				not significant
16	Wormley Bury, Rosewood, Southern	64.0	64.1	0.1	Negligible, not significant	64.0	64.1	0.1	Negligible, not significant
17	Kings Head PH	63.8	63.8	0.0	Negligible, not significant	63.8	63.8	0.0	Negligible, not significant
18	Frith House	54.5	54.8	0.3	Negligible, not significant	54.5	54.8	0.3	Negligible, not significant
19	Pinns Cottage	51.2	51.9	0.7	Negligible, not significant	51.2	51.9	0.7	Negligible, not significant
20	Garden Cottage and Clock House	42.1	43.9	1.8	Minor adverse, not significant	42.1	43.9	1.8	Minor adverse, not significant
21	Cavan Cottage	61.8	61.9	0.1	Negligible, not significant	61.8	61.9	0.1	Negligible, not significant
22	Manger Cottage	54.1	53.8	-0.3	Negligible, not significant	54.1	53.8	-0.3	Negligible, not significant

2028 Busiest Night		Refined Strategic Traffic Model – predicted levels				Predicted levels resulting from reduction in HGVs			
Receptor		Night, L _{night} , dB		Difference, dB	Effect	Night, L _{night} , dB		Difference, dB	Effect
		Baseline 2028	With development 2028			Baseline 2028	With development 2028		
23	Meadowbarn	53.4	53.7	0.3	Negligible, not significant	53.4	53.7	0.3	Negligible, not significant
24	Hopton Yard E of Old Barn	55.9	58.3	2.4	Minor adverse, not significant	55.9	58.3	2.4	Minor adverse, not significant
25	Honeycroft	54.3	56.9	2.6	Minor adverse, not significant	54.3	56.9	2.6	Minor adverse, not significant