

Great Yarmouth Third River Crossing

Application for Development Consent Order

Document 6.2: Environmental Statement

Volume II: Technical

Appendix 7D: Operation

Phase Results Tables

Planning Act 2008

The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended) (“APFP”)

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1 Operation Phase Results Tables

1.1 Operation Phase Results – DMRB HD 213/11 Tables

Short-Term Impacts: Do Minimum Opening Year and Do Something Opening Year (2023)

Table 1.1: Short-Term Operational Traffic Noise Levels Changes

Change in Noise Level (Magnitude of Impact)			Daytime	
			Dwellings	Other Sensitives
Increase in noise level, LA10,18h	0.1 - 0.9	Negligible	4666	73
	1.0 - 2.9	Minor	928	22
	3.0 - 4.9	Moderate	117	5
	5 +	Major	5	0
No change	0	No change	820	30
Decrease in noise level, LA10,18h	0.1 - 0.9	Negligible	3032	65
	1.0 - 2.9	Minor	858	26
	3.0 - 4.9	Moderate	10	0
	5 +	Major	0	0

Long-Term Impacts: Do Minimum Opening Year (2023) and Do Minimum Design Year (2038)

Table 1.2: Long-Term Operational Traffic Noise Levels Changes – Do Minimum

Change in Noise Level (Magnitude of Impact)			Daytime		Night-time
			Dwellings	Other Sensitives	Dwellings
Increase in noise level, LA10,18h	0.1 - 2.9	Negligible	10404	221	1273
	3.0 - 4.9	Minor	0	0	0
	5.0 - 9.9	Moderate	0	0	0
	10 +	Major	0	0	0
No change	0	No change	28	0	84
Decrease in noise level, LA10,18h	0.1 - 2.9	Negligible	4	0	3
	3.0 - 4.9	Minor	0	0	0
	5.0 - 9.9	Moderate	0	0	0
	10 +	Major	0	0	0

Long-Term Impacts: Do Minimum Opening Year (2023) and Do Something Design Year (2038)

Table 1.3: Long-Term Operational Traffic Noise Levels Changes – Do Something

Change in Noise Level (Magnitude of Impact)			Daytime		Night-time
			Dwellings	Other Sensitives	Dwellings
Increase in noise level, LA10,18h	0.1 - 2.9	Negligible	8055	151	994
	3.0 - 4.9	Minor	264	10	58
	5.0 - 9.9	Moderate	14	1	1
	10 +	Major	0	0	0
No change	0	No change	501	13	76
Decrease in noise level, LA10,18h	0.1 - 2.9	Negligible	1602	46	231
	3.0 - 4.9	Minor	0	0	0
	5.0 - 9.9	Moderate	0	0	0
	10 +	Major	0	0	0

Road Traffic Noise Nuisance

Table 1.4: Road Traffic Noise Nuisance Changes

Change in Nuisance* Level		Dwellings	
		Do-Minimum	Do-Something
Increase in nuisance level	<10%	5146	1874
	10% < 20%	0	3606
	20% < 30%	0	1075
	30% < 40%	0	122
	> 40%	0	0
No change	0%	162	765
Decrease in nuisance level	<10%	5124	2994
	10% < 20%	4	0
	20% < 30%	0	0
	30% < 40%	0	0
	> 40%	0	0

* The definition of nuisance in DMRB HD 213/11 is not the same as that used in some statutory documents. Nuisance refers to 'bother' or 'annoyance'.

Road Traffic Airborne Vibration Nuisance

Table 1.5: Road Traffic Airborne Vibration Nuisance Changes

		Dwellings	
Change in Nuisance* Level		Do-Minimum	Do-Something
Increase in nuisance level	<10%	1856	1785
	10% < 20%	0	5
	20% < 30%	0	0
	30% < 40%	0	0
	> 40%	0	0
No change	0%	2205	2474
Decrease in nuisance level	<10%	199	0
	10% < 20%	4	0
	20% < 30%	0	0
	30% < 40%	0	0
	> 40%	0	0
* The definition of nuisance in DMRB HD 213/11 is not the same as that used in some statutory documents. Nuisance refers to 'bother' or 'annoyance'.			

1.2 Operation Phase Results – Significant Effects Tables

Short-Term Significance: Do Minimum Opening Year and Do Something Opening Year (2023)

Table 1.6: Short-Term Operational Traffic Noise Significance

		Daytime	
Change in Noise level	Significance	Dwellings	Other Sensitives
Increase in noise level, LA10,18h	Slight	5115	82
	Moderate	488	13
	Large	108	5
	Very Large	5	0
No change	No Impact	820	30
Decrease in noise level, LA10,18h	Slight	3742	81
	Moderate	149	10
	Large	9	0
	Very Large	0	0

Long-Term Significance: Do Minimum Opening Year (2023) and Do Minimum Design Year (2038)

Table 1.7: Long-Term Operational Traffic Noise Significance – Do Minimum

Change in Noise Level	Significance	Daytime		Night-time
		Dwellings	Other Sensitives	Dwellings
Increase in noise level, LA10,18h	Slight	10218	213	1273
	Moderate	186	8	126
	Large	0	0	0
	Very Large	0	0	0
No change	No Impact	28	0	84
Decrease in noise level, LA10,18h	Slight	4	0	3
	Moderate	0	0	0
	Large	0	0	0
	Very Large	0	0	0

Long-Term Significance: Do Minimum Opening Year (2023) and Do Something Design Year (2038)

Table 1.8: Long-Term Operational Traffic Noise Significance – Do Something

Change in Noise Level	Significance	Daytime		Night-time
		Dwellings	Other Sensitives	Dwellings
Increase in noise level, LA10,18h	Slight	7667	144	1149
	Moderate	584	16	126
	Large	79	2	0
	Very Large	3	0	0
No change	No Impact	501	13	81
Decrease in noise level, LA10,18h	Slight	1600	46	3
	Moderate	2	0	0
	Large	0	0	0
	Very Large	0	0	0