

Great Yarmouth Third River Crossing

Application for Development Consent Order

Document 6.2: Environmental Statement

Volume II: Technical

Appendix 17B: Changes

to Degree of Hazard

Planning Act 2008

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

APFP regulation Number: 5(2)(a)

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1 Changes to Degree of Hazard for Fear and Intimidation Assessment – Construction Phase

Table 1.1: 2023 Changes to Degree of Hazards due to Construction – Average Traffic Over 18hr

Location	Average Traffic over 18hr (veh/hr)		Degree of Hazard		Change in Degree of Hazard
	DM 23	Construction	DM 23	Construction	
A47 - Breydon Bridge	1830	1840	Extreme	Extreme	No Change
A1243 - Haven Bridge	1300	1304	Great	Great	No Change
North Quay	640	655	Moderate	Moderate	No Change
A1243 - South Quay	880	899	Moderate	Moderate	No Change
Southgates Rd	380	399	Below Moderate	Below Moderate	No Change
South Denes Rd	290	309	Below Moderate	Below Moderate	No Change
Marine Parade	390	390	Below Moderate	Below Moderate	No Change
South Beach Parade	170	170	Below Moderate	Below Moderate	No Change
Admiralty Road	190	190	Below Moderate	Below Moderate	No Change
Sutton Road	10	10	Below Moderate	Below Moderate	No Change
Main Cross Road	80	80	Below Moderate	Below Moderate	No Change
Salmon Road	20	20	Below Moderate	Below Moderate	No Change
William Adams Way	540	553	Below Moderate	Below Moderate	No Change
Beccles Road	590	590	Below Moderate	Below Moderate	No Change
Southtown Rd	550	550	Below Moderate	Below Moderate	No Change

Location	Average Traffic over 18hr (veh/hr)		Degree of Hazard		Change in Degree of Hazard
	DM 23	Construction	DM 23	Construction	
A47 - south Gapton Hall rdb	2170	2184	Extreme	Extreme	No Change
A47 - south Harfreys rdb	2140	2147	Extreme	Extreme	No Change
Fullers Hill	530	530	Below Moderate	Below Moderate	No Change
Yarmouth Way	380	380	Below Moderate	Below Moderate	No Change
Suffolk Rd	220	220	Below Moderate	Below Moderate	No Change
Pasteur Road	940	940	Moderate	Moderate	No Change
Swanston's Road	25	25	Below Moderate	Below Moderate	No Change

Table 1.2: 2023 Changes to Degree of Hazards due to Construction – HGV 18hr Flow

Location	HGV 18hr flow		Degree of Hazard		Change in Degree of Hazard
	DM 23	Construction	DM 23	Construction	
A47 - Breydon Bridge	700	812	Below Moderate	Below Moderate	No Change
A1243 - Haven Bridge	1000	1006	Moderate	Moderate	No Change
North Quay	600	620	Below Moderate	Below Moderate	No Change
A1243 - South Quay	700	724	Below Moderate	Below Moderate	No Change
Southgates Rd	400	424	Below Moderate	Below Moderate	No Change
South Denes Rd	200	224	Below Moderate	Below Moderate	No Change

Location	HGV 18hr flow		Degree of Hazard		Change in Degree of Hazard
	DM 23	Construction	DM 23	Construction	
Marine Parade	100	100	Below Moderate	Below Moderate	No Change
South Beach Parade	0	0	Below Moderate	Below Moderate	No Change
Admiralty Road	300	300	Below Moderate	Below Moderate	No Change
Sutton Road	100	100	Below Moderate	Below Moderate	No Change
Main Cross Road	100	100	Below Moderate	Below Moderate	No Change
Salmon Road	0	0	Below Moderate	Below Moderate	No Change
William Adams Way	100	240	Below Moderate	Below Moderate	No Change
Beccles Road	300	300	Below Moderate	Below Moderate	No Change
Southtown Rd	600	600	Below Moderate	Below Moderate	No Change
A47 - south Gapton Hall rdb	800	916.8	Below Moderate	Below Moderate	No Change
A47 - south Harfreys rdb	1300	1334	Moderate	Moderate	No Change
Fullers Hill	400	400	Below Moderate	Below Moderate	No Change
Yarmouth Way	200	200	Below Moderate	Below Moderate	No Change
Suffolk Rd	100	100	Below Moderate	Below Moderate	No Change
Pasteur Road	400	400	Below Moderate	Below Moderate	No Change
Swanston's Road	13	13	Below Moderate	Below Moderate	No Change

2 Changes to Degree of Hazard for Fear and Intimidation Assessment – Operational Phase

Table 2.1: 2023 Changes to Degree of Hazards due to the Scheme – Average Traffic over 18hr

Location	Average Traffic over 18hr (veh/hr)		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
A47 - Breydon Bridge	1830	1650	Extreme	Great	Reduction
A1243 - Haven Bridge	1300	660	Great	Moderate	Reduction
North Quay	640	710	Moderate	Moderate	No Change
A1243 - South Quay	880	490	Moderate	Below Moderate	Reduction
Southgates Rd	380	730	Below Moderate	Moderate	Increase
South Denes Rd	290	320	Below Moderate	Below Moderate	No Change
Marine Parade	390	420	Below Moderate	Below Moderate	No Change
South Beach Parade	170	180	Below Moderate	Below Moderate	No Change
Admiralty Road	190	200	Below Moderate	Below Moderate	No Change
Sutton Road	10	60	Below Moderate	Below Moderate	No Change
Main Cross Road	80	90	Below Moderate	Below Moderate	No Change
Salmon Road	20	20	Below Moderate	Below Moderate	No Change
William Adams Way	540	810	Below Moderate	Moderate	Increase
Beccles Road	590	700	Below Moderate	Moderate	Increase

Location	Average Traffic over 18hr (veh/hr)		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
Southtown Rd	550	400	Below Moderate	Below Moderate	No Change
A47 - south Gapton Hall rdb	2170	1720	Extreme	Great	Reduction
A47 - south Harfreys rdb	2140	2240	Extreme	Extreme	No Change
Fullers Hill	530	400	Below Moderate	Below Moderate	No Change
Yarmouth Way	380	280	Below Moderate	Below Moderate	No Change
Suffolk Rd	220	190	Below Moderate	Below Moderate	No Change
Pasteur Road	940	510	Moderate	Below Moderate	Reduction
Swanston's Road	25	39	Below Moderate	Below Moderate	No Change

Table 2.2: 2038 Changes to Degree of Hazards due to the Scheme – Average Traffic over 18hr

Location	Average Traffic over 18hr (veh/hr)		Degree of Hazard		Change in Degree of Hazard
	DM 38	DS 38	DM 38	DS 38	
A47 - Breydon Bridge	2120	1880	Extreme	Extreme	No Change
A1243 - Haven Bridge	1630	1010	Great	Moderate	Reduction
North Quay	800	940	Moderate	Moderate	No Change
A1243 - South Quay	990	610	Moderate	Moderate	No Change
Southgates Rd	460	800	Below Moderate	Moderate	Increase

Location	Average Traffic over 18hr (veh/hr)		Degree of Hazard		Change in Degree of Hazard
	DM 38	DS 38	DM 38	DS 38	
South Denes Rd	390	340	Below Moderate	Below Moderate	No Change
Marine Parade	480	540	Below Moderate	Below Moderate	No Change
South Beach Parade	190	260	Below Moderate	Below Moderate	No Change
Admiralty Road	210	300	Below Moderate	Below Moderate	No Change
Sutton Road	10	60	Below Moderate	Below Moderate	No Change
Main Cross Road	90	110	Below Moderate	Below Moderate	No Change
Salmon Road	20	20	Below Moderate	Below Moderate	No Change
William Adams Way	570	1010	Below Moderate	Moderate	Increase
Beccles Road	730	970	Moderate	Moderate	No Change
Southtown Rd	660	530	Moderate	Below Moderate	Reduction
A47 - south Gapton Hall rdb	2430	1980	Extreme	Extreme	No Change
A47 - south Harfreys rdb	2470	2500	Extreme	Extreme	No Change
Fullers Hill	670	520	Moderate	Below Moderate	Reduction
Yarmouth Way	540	410	Below Moderate	Below Moderate	No Change
Suffolk Rd	290	230	Below Moderate	Below Moderate	No Change
Pasteur Road	1090	770	Moderate	Moderate	No Change

Table 2.3: 2023 Changes to Degree of Hazards due the Scheme – HGV 18hr Flow

Location	HGV 18hr Flow		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
A47 - Breydon Bridge	700	700	Below Moderate	Below Moderate	No Change
A1243 - Haven Bridge	1000	500	Moderate	Below Moderate	Reduction
North Quay	600	600	Below Moderate	Below Moderate	No Change
A1243 - South Quay	700	300	Below Moderate	Below Moderate	No Change
Southgates Rd	400	400	Below Moderate	Below Moderate	No Change
South Denes Rd	200	200	Below Moderate	Below Moderate	No Change
Marine Parade	100	100	Below Moderate	Below Moderate	No Change
South Beach Parade	0	0	Below Moderate	Below Moderate	No Change
Admiralty Road	300	200	Below Moderate	Below Moderate	No Change
Sutton Road	100	100	Below Moderate	Below Moderate	No Change
Main Cross Road	100	0	Below Moderate	Below Moderate	No Change
Salmon Road	0	0	Below Moderate	Below Moderate	No Change
William Adams Way 2	100	300	Below Moderate	Below Moderate	No Change
Beccles Road	300	300	Below Moderate	Below Moderate	No Change
Southtown Rd	600	500	Below Moderate	Below Moderate	No Change
A47 - south Gapton Hall rdb	800	600	Below Moderate	Below Moderate	No Change

Location	HGV 18hr Flow		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
A47 - south Harfreys rdb	1300	1300	Moderate	Moderate	No Change
Fullers Hill	400	400	Below Moderate	Below Moderate	No Change
Yarmouth Way	200	100	Below Moderate	Below Moderate	No Change
Suffolk Rd	100	0	Below Moderate	Below Moderate	No Change
Pasteur Road	400	100	Below Moderate	Below Moderate	No Change
Swanston's Road	13	25	Below Moderate	Below Moderate	No Change

Table 2.4: 2038 Changes to Degree of Hazards due to the Scheme – HGV 18hr Flow

Location	HGV 18hr Flow		Degree of Hazard		Change in Degree of Hazard
	DM 38	DS 38	DM 38	DS 38	
A47 - Breydon Bridge	800	800	Below Moderate	Below Moderate	No Change
A1243 - Haven Bridge	1200	600	Moderate	Below Moderate	Reduction
North Quay	600	600	Below Moderate	Below Moderate	No Change
A1243 - South Quay	800	300	Below Moderate	Below Moderate	No Change
Southgates Rd	400	500	Below Moderate	Below Moderate	No Change
South Denes Rd	300	200	Below Moderate	Below Moderate	No Change
Marine Parade	100	100	Below Moderate	Below Moderate	No Change
South Beach Parade	0	100	Below Moderate	Below Moderate	No Change

Location	HGV 18hr Flow		Degree of Hazard		Change in Degree of Hazard
	DM 38	DS 38	DM 38	DS 38	
Admiralty Road	300	200	Below Moderate	Below Moderate	No Change
Sutton Road	100	100	Below Moderate	Below Moderate	No Change
Main Cross Road	100	100	Below Moderate	Below Moderate	No Change
Salmon Road	0	0	Below Moderate	Below Moderate	No Change
William Adams Way 2	200	400	Below Moderate	Below Moderate	No Change
Beccles Road	300	400	Below Moderate	Below Moderate	No Change
Southtown Rd	600	500	Below Moderate	Below Moderate	No Change
A47 - south Gapton Hall rdb	1100	700	Moderate	Below Moderate	Reduction
A47 - south Harfreys rdb	1600	1500	Moderate	Moderate	No Change
Fullers Hill	500	400	Below Moderate	Below Moderate	No Change
Yarmouth Way	300	200	Below Moderate	Below Moderate	No Change
Suffolk Rd	100	0	Below Moderate	Below Moderate	No Change
Pasteur Road	500	100	Below Moderate	Below Moderate	No Change

Table 2.5: 2023 Changes to Degree of Hazards due to the Scheme – 18hr Average Speed

Location	18hr Average Speed (mph)		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
A47 - Breydon Bridge	35.4	37.5	Extreme	Extreme	No Change

Location	18hr Average Speed (mph)		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
A1243 - Haven Bridge	24.9	24.9	Extreme	Extreme	No Change
North Quay	19.4	18.9	Great	Great	No Change
A1243 - South Quay	22.7	24.2	Extreme	Extreme	No Change
Southgates Rd	29.4	29	Extreme	Extreme	No Change
South Denes Rd	28.6	28.5	Extreme	Extreme	No Change
Marine Parade	18.5	18.4	Great	Great	No Change
South Beach Parade	27.1	27	Extreme	Extreme	No Change
Admiralty Road	28.1	27.3	Extreme	Extreme	No Change
Sutton Road	12.9	19.1	Moderate	Great	Increase
Main Cross Road	22.6	23.3	Extreme	Extreme	No Change
Salmon Road	23.5	23.3	Extreme	Extreme	No Change
William Adams Way 2	31.1	23.4	Extreme	Extreme	No Change
Beccles Road	22.9	22.4	Extreme	Extreme	No Change
Southtown Rd	20.2	21.9	Extreme	Extreme	No Change
A47 - south Gapton Hall rdb	44.1	46.4	Extreme	Extreme	No Change
A47 - south Harfreys rdb	43.8	43.2	Extreme	Extreme	No Change

Location	18hr Average Speed (mph)		Degree of Hazard		Change in Degree of Hazard
	DM 23	DS 23	DM 23	DS 23	
Fullers Hill	28	27.3	Extreme	Extreme	No Change
Yarmouth Way	7.8	8.2	Below Moderate	Below Moderate	No Change
Suffolk Rd	21.9	22.1	Extreme	Extreme	No Change
Pasteur Road	37	38.1	Extreme	Extreme	No Change
Swanston's Road	24	27	Extreme	Extreme	No Change

Table 2.6: 2038 Changes to Degree of Hazards due the Scheme – 18hr Average Speed

Location	18hr Average Speed (mph)		Degree of Hazard		Change in Degree of Hazard
	DM 38	DS 38	DM 38	DS 38	
A47 - Breydon Bridge	31.7	34.3	Extreme	Extreme	No Change
A1243 - Haven Bridge	24.9	24.9	Extreme	Extreme	No Change
North Quay	18.7	18.3	Great	Great	No Change
A1243 - South Quay	22.6	23.7	Extreme	Extreme	No Change
Southgates Rd	29.3	28.9	Extreme	Extreme	No Change
South Denes Rd	28.5	28.5	Extreme	Extreme	No Change
Marine Parade	18.3	18.1	Great	Great	No Change
South Beach Parade	27	27	Extreme	Extreme	No Change

Location	18hr Average Speed (mph)		Degree of Hazard		Change in Degree of Hazard
	DM 38	DS 38	DM 38	DS 38	
Admiralty Road	28	27.3	Extreme	Extreme	No Change
Sutton Road	12.4	18.5	Moderate	Great	Increase
Main Cross Road	22.2	23.1	Extreme	Extreme	No Change
Salmon Road	23.4	23.2	Extreme	Extreme	No Change
William Adams Way 2	31.1	22.9	Extreme	Extreme	No Change
Beccles Road	22.9	21.7	Extreme	Extreme	No Change
Southtown Rd	19.2	20.6	Great	Extreme	Increase
A47 - south Gapton Hall rdb	42.3	45.2	Extreme	Extreme	No Change
A47 - south Harfreys rdb	41.6	41.5	Extreme	Extreme	No Change
Fullers Hill	27.3	27	Extreme	Extreme	No Change
Yarmouth Way	7.3	7.8	Below Moderate	Below Moderate	No Change
Suffolk Rd	21	21.5	Extreme	Extreme	No Change
Pasteur Road	36.5	37.5	Extreme	Extreme	No Change