

Sea Link

Volume 6: Environmental Information

Document: 6.3.2.7.H

Part 2 Suffolk

Chapter 7

Appendix 2.7.H Preliminary Highway Impact Assessment

Planning Inspectorate Reference: EN020026

Version: A

March 2025

Infrastructure Planning (Applications: Prescribed Forms and
Procedure) Regulations 2009 Regulation 5(2)(a)

Page intentionally blank

2028 Future Baseline + Proposed Development (Worst-Case)

Ref	Receptor Type	Receptor	AM Development Peak (07:00-08:00)								AM Network Peak (08:00-09:00)							
			Baseline		Development		Total		% Increase		Baseline		Development		Total		% Increase	
			HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
S-RL1	Road Link	A12 (south of A1094)	76	1,376	0	123	76	1,499	0.0%	8.9%	85	1,454	21	25	106	1,479	24.7%	1.7%
S-RL2	Road Link	A12 (between A1094 & B1121 Main Rd south junction)	69	976	0	123	69	1,099	0.0%	12.6%	80	1,118	21	25	101	1,143	26.3%	2.2%
S-RL3	Road Link	A12 (between B1121 Main Road junctions)	56	846	0	123	56	969	0.0%	14.5%	78	1,002	21	25	99	1,027	27.0%	2.5%
S-RL4	Road Link	A12 (north of B1121 Main Road northern junction)	62	866	0	123	62	989	0.0%	14.2%	71	1,031	21	25	92	1,056	29.4%	2.4%
S-RL5	Road Link	B1121 Main Road (east of A12)	8	232	0	107	8	339	0.0%	46.2%	13	350	20	21	33	371	157.4%	6.0%
S-RL6	Road Link	B1121 Main Road (south of B1119 Church Street)	10	215	0	15	10	230	0.0%	7.0%	13	427	1	3	14	430	7.4%	0.7%
S-RL7	Road Link	B1119 Church Street (east of B1121 Main Road)	6	200	0	15	6	215	0.0%	7.5%	6	272	1	3	7	275	16.1%	1.1%
S-RL8	Road Link	B1121 Aldeburgh Road (between A1094 and B1121 Saxmundham Road)	2	63	0	9	2	72	0.0%	14.2%	4	122	1	2	5	124	24.1%	1.6%
S-RL9	Road Link	B1121 Saxmundham Road (north of Grove Road)	1	41	0	9	1	50	0.0%	21.7%	4	118	1	2	5	120	24.1%	1.7%
S-RL10	Road Link	A1094 (between A12 and B1069 Snape Road)	23	697	0	139	23	836	0.0%	19.9%	21	737	22	29	43	766	106.2%	3.9%
S-RL11	Road Link	A1094 Aldeburgh Road (between B1069 Snape Road and Leiston Road)	8	225	0	41	8	266	0.0%	18.2%	11	347	12	17	23	364	105.3%	4.9%
S-RL12	Road Link	B1069 Snape Road (between A1094 Aldeburgh Road and Aldringham Lane)	19	527	0	139	19	666	0.0%	26.4%	18	516	22	29	40	545	124.9%	5.6%
S-RL13	Road Link	Leiston Road (between A1094 Aldeburgh Road and Aldringham Lane)	8	171	0	17	8	188	0.0%	9.9%	10	234	1	3	11	237	9.7%	1.3%
S-RJ1	Road Junction	A12/A1094 Junction	81	1,467	0	193	81	1,659	0.0%	13.1%	95	1,621	32	40	127	1,660	33.6%	2.4%
S-RJ2	Road Junction	A12/B1121 (South) Junction	70	1,004	0	177	70	1,180	0.0%	17.6%	81	1,186	31	36	112	1,221	38.4%	3.0%
S-RJ3	Road Junction	A12/B1119 Junction	57	1,077	0	123	57	1,200	0.0%	11.4%	82	1,312	21	25	103	1,337	25.7%	1.9%
S-RJ4	Road Junction	A12/B1121 (North) Junction	62	881	0	123	62	1,004	0.0%	14.0%	73	1,053	21	25	94	1,078	29.0%	2.4%
S-RJ5	Road Junction	A12/B1122 Junction	74	1,131	0	123	74	1,254	0.0%	10.9%	87	1,320	21	25	108	1,345	24.1%	1.9%
S-RJ6	Road Junction	B1121 Main Road/B1121 Church Hill Junction	12	251	0	107	12	358	0.0%	42.7%	13	472	20	21	33	493	148.5%	4.4%
S-RJ7	Road Junction	B1121 Main Road/B1119 Church Hill Signalised Junction	17	429	0	15	17	444	0.0%	3.5%	21	843	1	3	22	846	4.8%	0.4%
S-RJ8	Road Junction	B1121 Saxmundham Road/Grove Road/Mill Road Junction	2	49	0	9	2	58	0.0%	18.5%	4	133	1	2	5	135	24.1%	1.5%
S-RJ9	Road Junction	A1094 Aldeburgh Road/B1121 Aldeburgh Road Junction	24	747	0	139	24	886	0.0%	18.6%	25	840	22	29	47	869	88.5%	3.5%
S-RJ10	Road Junction	A1094 Aldeburgh Road/B1069 Snape Road Junction	25	737	0	139	25	876	0.0%	18.8%	28	843	22	29	50	872	78.7%	3.4%
S-RJ11	Road Junction	A1094/B1122 Leiston Road/Church Farm Road Roundabout	10	310	0	17	10	327	0.0%	5.5%	24	555	1	3	25	558	4.2%	0.5%
S-RJ12	Road Junction	B1122 Aldeburgh Road/B1353 Aldringham Lane Junction	15	378	0	0	15	378	0.0%	0.0%	19	715	0	0	19	715	0.0%	0.0%
S-RJ13	Road Junction	B1069 Leiston Road/B1353 Aldringham Lane Junction	20	581	0	0	20	581	0.0%	0.0%	17	696	0	0	17	696	0.0%	0.0%
S-RJ14	Road Junction	A1094/Sternfield Road/Church Road Junction	25	838	0	139	25	977	0.0%	16.6%	32	1,030	22	29	54	1,059	68.5%	2.8%

Ref	Receptor Type	Receptor	PM Network Peak (17:00-18:00)								PM Development Peak (18:00-19:00)							
			Baseline		Development		Total		% Increase		Baseline		Development		Total		% Increase	
			HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
S-RL1	Road Link	A12 (south of A1094)	25	1,322	10	14	35	1,335	40.2%	1.0%	9	755	0	122	9	877	0.0%	16.2%
S-RL2	Road Link	A12 (between A1094 & B1121 Main Rd south junction)	25	900	10	14	35	914	40.2%	1.5%	10	557	0	122	10	679	0.0%	21.9%
S-RL3	Road Link	A12 (between B1121 Main Road junctions)	25	719	10	14	35	732	40.2%	1.9%	9	415	0	122	9	537	0.0%	29.4%
S-RL4	Road Link	A12 (north of B1121 Main Road northern junction)	23	795	10	14	33	809	43.9%	1.7%	8	428	0	122	8	550	0.0%	28.5%
S-RL5	Road Link	B1121 Main Road (east of A12)	6	331	10	11	16	342	155.7%	3.3%	4	225	0	106	4	331	0.0%	47.2%
S-RL6	Road Link	B1121 Main Road (south of B1119 Church Street)	2	399	0	2	2	401	0.0%	0.5%	0	252	0	15	0	267	0.0%	6.0%
S-RL7	Road Link	B1119 Church Street (east of B1121 Main Road)	4	261	0	2	4	263	0.0%	0.8%	3	186	0	15	3	201	0.0%	8.1%
S-RL8	Road Link	B1121 Aldeburgh Road (between A1094 and B1121 Saxmundham Road)	3	89	0	1	3	90	0.0%	1.1%	0	87	0	8	0	95	0.0%	9.2%
S-RL9	Road Link	B1121 Saxmundham Road (north of Grove Road)	2	83	0	1	2	84	0.0%	1.2%	0	60	0	8	0	68	0.0%	13.3%
S-RL10	Road Link	A1094 (between A12 and B1069 Snape Road)	6	678	10	16	16	694	160.9%	2.4%	1	387	0	138	1	525	0.0%	35.6%
S-RL11	Road Link	A1094 Aldeburgh Road (between B1069 Snape Road and Leiston Road)	2	255	6	10	8	265	289.7%	3.9%	1	242	0	40	1	282	0.0%	16.5%
S-RL12	Road Link	B1069 Snape Road (between A1094 Aldeburgh Road and Aldringham Lane)	5	495	10	16	15	511	193.1%	3.2%	0	223	0	138	0	361	0.0%	62.0%
S-RL13	Road Link	Leiston Road (between A1094 Aldeburgh Road and Aldringham Lane)	6	217	1	3	7	220	16.8%	1.4%	3	127	0	17	3	144	0.0%	13.4%
S-RJ1	Road Junction	A12/A1094 Junction	26	1,438	15	22	41	1,459	57.9%	1.5%	9	809	0	191	9	1,000	0.0%	23.6%
S-RJ2	Road Junction	A12/B1121 (South) Junction	26	945	15	19	41	964	57.9%	2.0%	10	569	0	175	10	744	0.0%	30.8%
S-RJ3	Road Junction	A12/B1119 Junction	26	869	10	14	36	882	38.6%	1.6%	9	534	0	122	9	656	0.0%	22.8%
S-RJ4	Road Junction	A12/B1121 (North) Junction	25	822	10	14	35	836	40.2%	1.6%	8	442	0	122	8	564	0.0%	27.6%
S-RJ5	Road Junction	A12/B1122 Junction	22	1,032	10	14	32	1,045	46.0%	1.3%	16	571	0	122	16	693	0.0%	21.4%
S-RJ6	Road Junction	B1121 Main Road/B1121 Church Hill Junction	5	418	10	11	15	429	193.1%	2.6%	0	268	0	106	0	374	0.0%	39.5%
S-RJ7	Road Junction	B1121 Main Road/B1119 Church Hill Signalised Junction	6	861	0	2	6	863	0.0%	0.2%	2	598	0	15	2	613	0.0%	2.5%
S-RJ8	Road Junction	B1121 Saxmundham Road/Grove Road/Mill Road Junction	2	96	0	1	2	97	0.0%	1.0%	0	69	0	8	0	77	0.0%	11.5%
S-RJ9	Road Junction	A1094 Aldeburgh Road/B1121 Aldeburgh Road Junction	8	753	10	16	18	769	120.7%	2.1%	1	458	0	138	1	596	0.0%	30.1%
S-RJ10	Road Junction	A1094 Aldeburgh Road/B1069 Snape Road Junction	7	742	10	16	17	758	137.9%	2.2%	1	452	0	138	1	590	0.0%	30.6%
S-RJ11	Road Junction	A1094/B1122 Leiston Road/Church Farm Road Roundabout	5	448	1	3	6	451	19.3%	0.7%	4	323	0	17	4	340	0.0%	5.3%
S-RJ12	Road Junction	B1122 Aldeburgh Road/B1353 Aldringham Lane Junction	9	503	0	0	9	503	0.0%	0.0%	2	361	0	0	2	361	0.0%	0.0%
S-RJ13	Road Junction	B1069 Leiston Road/B1353 Aldringham Lane Junction	6	590	0	0	6	590	0.0%	0.0%	0	295	0	0	0	295	0.0%	0.0%
S-RJ14	Road Junction	A1094/Sternfield Road/Church Road Junction	10	880	10	16	20	896	96.6%	1.8%	1	498	0	138	1	636	0.0%	27.7%

Ref	Receptor Type	Receptor	12 Hours (07:00-19:00)								24hr Daily							
			Baseline		Development		Total		% Increase		Baseline		Development		Total		% Increase	
			HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
S-RL1	Road Link	A12 (south of A1094)	737	13,177	178	364	915	13,541	24.2%	2.8%	825	14,759	178	364	1,003	15,123	21.6%	2.5%
S-RL2	Road Link	A12 (between A1094 & B1121 Main Rd south junction)	654	9,774	178	364	832	10,138	27.2%	3.7%	732	10,947	178	364	910	11,311	24.3%	3.3%
S-RL3	Road Link	A12 (between B1121 Main Road junctions)	608	8,718	178	364	786	9,082	29.3%	4.2%	677	9,124	178	364	855	9,488	26.3%	4.0%
S-RL4	Road Link	A12 (north of B1121 Main Road northern junction)	582	9,063	178	364	760	9,427	30.6%	4.0%	651	10,171	178	364	829	10,535	27.3%	3.6%
S-RL5	Road Link	B1121 Main Road (east of A12)	123	4,023	176	310	299	4,333	143.3%	7.7%	108	4,247	176	310	284	4,557	162.5%	7.3%
S-RL6	Road Link	B1121 Main Road (south of B1119 Church Street)	99	3,905	4	50	103	3,955	4.1%	1.3%	87	4,126	4	50	91	4,176	4.6%	1.2%
S-RL7	Road Link	B1119 Church Street (east of B1121 Main Road)	78	2,756	4	50	82	2,806	5.1%	1.8%	71	2,979	4	50	75	3,029	5.6%	1.7%
S-RL8	Road Link	B1121 Aldeburgh Road (between A1094 and B1121 Saxmundham Road)	30	979	4	24	34	1,003	13.5%	2.5%	27	1,080	4	24	31	1,104	14.8%	2.2%
S-RL9	Road Link	B1121 Saxmundham Road (north of Grove Road)	22	885	4	24	26	909	17.8%	2.7%	18	891	4	24	22	915	22.2%	2.7%
S-RL10	Road Link	A1094 (between A12 and B1069 Snape Road)	218	6,402	180	418	398	6,820	82.7%	6.5%	200	7,062	180	418	380	7,480	90.2%	5.9%
S-RL11	Road Link	A1094 Aldeburgh Road (between B1069 Snape Road and Leiston Road)	86	3,528	96	218	182	3,746	111.9%	6.2%	95	4,034	96	218	191	4,252	100.7%	5.4%
S-RL12	Road Link	B1069 Snape Road (between A1094 Aldeburgh Road and Aldringham Lane)	156	5,245	180	418	336	5,663	115.4%	8.0%	173	5,997	180	418	353	6,415	103.8%	7.0%
S-RL13	Road Link	Leiston Road (between A1094 Aldeburgh Road and Aldringham Lane)	126	2,581	10	64	136	2,645	8.0%	2.5%	105	2,642	10	64	115	2,706	9.5%	2.4%
S-RJ1	Road Junction	A12/A1094 Junction	792	14,421	268	573	1,060	14,994	33.8%	4.0%	887	16,152	268	573	1,155	16,725	30.2%	3.5%
S-RJ2	Road Junction	A12/B1121 (South) Junction	670	10,204	266	519	936	10,723	39.7%	5.1%	750	11,428	266	519	1,016	11,947	35.5%	4.5%
S-RJ3	Road Junction	A12/B1119 Junction	627	11,317	178	364	805	11,681	28.4%	3.2%	695	11,370	178	364	873	11,734	25.6%	3.2%
S-RJ4	Road Junction	A12/B1121 (North) Junction	603	9,296	178	364	781	9,660	29.5%	3.9%	674	10,433	178	364	852	10,797	26.4%	3.5%
S-RJ5	Road Junction	A12/B1122 Junction	692	11,497	178	364	870	11,861	25.7%	3.2%	774	12,903	178	364	952	13,267	23.0%	2.8%
S-RJ6	Road Junction	B1121 Main Road/B1121 Church Hill Junction	118	4,244	176	310	294	4,554	149.1%	7.3%	104	4,482	176	310	280	4,792	169.1%	6.9%
S-RJ7	Road Junction	B1121 Main Road/B1119 Church Hill Signalised Junction	169	8,337	4	50	173	8,387	2.4%	0.6%	149	8,817	4	50	153	8,867	2.7%	0.6%
S-RJ8	Road Junction	B1121 Saxmundham Road/Grove Road/Mill Road Junction	25	1,022	4	24	29	1,046	16.2%	2.3%	20	1,028	4	24	24	1,052	20.2%	2.3%
S-RJ9	Road Junction	A1094 Aldeburgh Road/B1121 Aldeburgh Road Junction	242	7,210	180	418	422	7,628	74.5%	5.8%	222	7,953	180	418	402	8,371	81.2%	5.3%
S-RJ10	Road Junction	A1094 Aldeburgh Road/B1069 Snape Road Junction	234	8,600	180	418	414	9,018	76.9%	4.9%	260	9,832	180	418	440	10,250	69.2%	4.3%
S-RJ11	Road Junction	A1094/B1122 Leiston Road/Church Farm Road Roundabout	135	5,385	10	64	145	5,449	7.4%	1.2%	150	6,157	10	64	160	6,221	6.7%	1.0%
S-RJ12	Road Junction	B1122 Aldeburgh Road/B1353 Aldringham Lane Junction	172	5,719	0	0	172	5,719	0.0%	0.0%	144	5,875	0	0	144	5,875	0.0%	0.0%
S-RJ13	Road Junction	B1069 Leiston Road/B1353 Aldringham Lane Junction	152	4,966	0	0	152	4,966	0.0%	0.0%	135	5,139	0	0	135	5,139	0.0%	0.0%
S-RJ14	Road Junction	A1094/Sternfield Road/Church Road Junction	304	8,533	180	418	484	8,951	59.3%	4.9%	278	9,410	180	418	458	9,828	64.7%	4.4%

Ref	Receptor Type	Receptor	Saturday (12:00-13:00)							
			Baseline		Development		Total		% Increase	
			HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
S-RL1	Road Link	A12 (south of A1094)	13	1,376	22	27	35	1,403	163.1%	1.9%
S-RL2	Road Link	A12 (between A1094 & B1121 Main Rd south junction)	10	1,019	22	27	32	1,046	212.0%	2.6%
S-RL3	Road Link	A12 (between B1121 Main Road junctions)	9	847	22	27	31	873	235.6%	3.1%
S-RL4	Road Link	A12 (north of B1121 Main Road northern junction)	8	847	22	27	30	873	265.0%	3.1%
S-RL5	Road Link	B1121 Main Road (east of A12)	7	426	22	23	29	449	326.1%	5.4%
S-RL6	Road Link	B1121 Main Road (south of B1119 Church Street)	2	400	1	3	3	403	48.2%	0.8%
S-RL7	Road Link	B1119 Church Street (east of B1121 Main Road)	6	282	1	3	7	285	17.5%	1.1%
S-RL8	Road Link	B1121 Aldeburgh Road (between A1094 and B1121 Saxmundham Road)	1	76	1	2	2	78	96.4%	2.6%
S-RL9	Road Link	B1121 Saxmundham Road (north of Grove Road)	1	65	1	2	2	67	96.4%	3.1%
S-RL10	Road Link	A1094 (between A12 and B1069 Snape Road)	5	858	22	30	27	888	424.0%	3.5%
S-RL11	Road Link	A1094 Aldeburgh Road (between B1069 Snape Road and Leiston Road)	2	520	12	18	14	538	578.2%	3.5%
S-RL12	Road Link	B1069 Snape Road (between A1094 Aldeburgh Road and Aldringham Lane)	4	432	22	30	26	462	530.0%	6.9%
S-RL13	Road Link	Leiston Road (between A1094 Aldeburgh Road and Aldringham Lane)	7	239	2	5	9	244	29.6%	2.1%
S-RJ1	Road Junction	A12/A1094 Junction	15	1,566	33	42	48	1,607	227.1%	2.7%
S-RJ2	Road Junction	A12/B1121 (South) Junction	10	1,051	33	38	43	1,089	318.0%	3.6%
S-RJ3	Road Junction	A12/B1119 Junction	9	1,054	22	27	31	1,081	235.6%	2.5%
S-RJ4	Road Junction	A12/B1121 (North) Junction	8	883	22	27	30	910	265.0%	3.0%
S-RJ5	Road Junction	A12/B1122 Junction	7	1,133	22	27	29	1,160	302.9%	2.3%
S-RJ6	Road Junction	B1121 Main Road/B1121 Church Hill Junction	3	425	22	23	25	448	706.7%	5.4%
S-RJ7	Road Junction	B1121 Main Road/B1119 Church Hill Signalised Junction	4	910	1	3	5	913	24.1%	0.3%
S-RJ8	Road Junction	B1121 Saxmundham Road/Grove Road/Mill Road Junction	1	72	1	2	2	74	96.4%	2.8%
S-RJ9	Road Junction	A1094 Aldeburgh Road/B1121 Aldeburgh Road Junction	6	930	22	30	28	960	353.3%	3.2%
S-RJ10	Road Junction	A1094 Aldeburgh Road/B1069 Snape Road Junction	6	938	22	30	28	968	353.3%	3.2%
S-RJ11	Road Junction	A1094/B1122 Leiston Road/Church Farm Road Roundabout	3	703	2	5	5	708	64.2%	0.7%
S-RJ12	Road Junction	B1122 Aldeburgh Road/B1353 Aldringham Lane Junction	4	500	0	0	4	500	0.0%	0.0%
S-RJ13	Road Junction	B1069 Leiston Road/B1353 Aldringham Lane Junction	4	477	0	0	4	477	0.0%	0.0%
S-RJ14	Road Junction	A1094/Sternfield Road/Church Road Junction	6	1,091	22	30	28	1,121	353.3%	2.8%

Page intentionally blank

National Grid plc
National Grid House,
Warwick Technology Park,
Gallows Hill, Warwick.
CV34 6DA United Kingdom

Registered in England and Wales
No. 4031152
nationalgrid.com