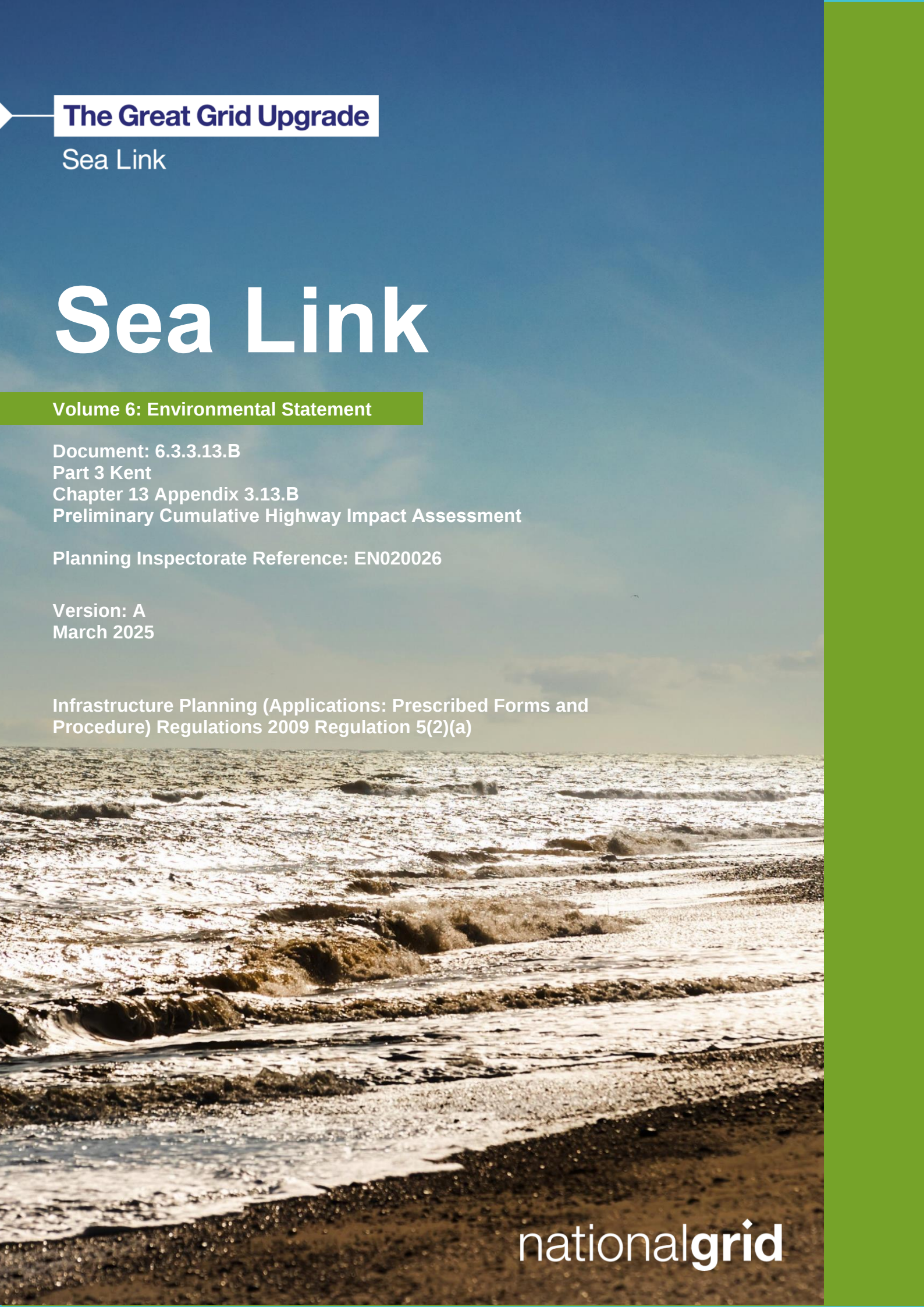




The Great Grid Upgrade

Sea Link

Sea Link

Volume 6: Environmental Statement

Document: 6.3.3.13.B

Part 3 Kent

Chapter 13 Appendix 3.13.B

Preliminary Cumulative Highway Impact Assessment

Planning Inspectorate Reference: EN020026

Version: A

March 2025

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

nationalgrid

Page Intentionally Blank

Kent Cumulative Traffic Flows: Total Cumulative (Excluding Sea Link)

SELECT ->

CTOT Total Cumulative (Excluding Sea Link)

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
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	143	2,691	14	579	157	3,270	9.8%	21.5%	170	2,520	14	579	184	3,099	8.2%	23.0%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	133	2,484	1	536	134	3,020	0.7%	21.6%	183	2,701	1	536	184	3,237	0.5%	19.8%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	126	2,140	0	482	126	2,622	0.0%	22.5%	180	2,378	0	482	180	2,860	0.0%	20.3%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	96	2,842	0	735	96	3,576	0.0%	25.8%	153	2,771	0	735	153	3,505	0.0%	26.5%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	118	2,641	0	418	118	3,058	0.0%	15.8%	173	2,620	0	418	173	3,037	0.0%	15.9%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	118	2,641	0	418	118	3,058	0.0%	15.8%	173	2,620	0	418	173	3,037	0.0%	15.9%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	124	2,922	0	418	124	3,340	0.0%	14.3%	198	2,960	0	418	198	3,378	0.0%	14.1%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Lord of the Manor Roundabout)	5	349	0	91	5	440	0.0%	26.1%	11	402	0	91	11	492	0.0%	22.6%
K-RL8	Road Link	Ebbsfleet Lane	0	25	0	0	0	25	0.0%	0.0%	2	27	0	0	2	27	0.0%	0.0%
K-RL9	Road Link	Cottingham Link Road	3	143	0	0	3	143	0.0%	0.0%	3	230	0	0	3	230	0.0%	0.0%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	150	2,934	14	543	164	3,477	9.4%	18.5%	175	2,812	14	543	189	3,354	8.0%	19.3%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	171	3,766	14	691	185	4,457	8.2%	18.3%	221	4,027	14	691	235	4,718	6.3%	17.2%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	133	2,504	1	536	134	3,040	0.7%	21.4%	184	2,734	1	536	185	3,270	0.5%	19.6%
K-RJ4	Road Junction	A299/A256/Cottingham Link Road (Sevenscore) Roundabout	168	3,856	0	875	168	4,731	0.0%	22.7%	258	4,030	0	875	258	4,905	0.0%	21.7%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	129	2,982	0	418	129	3,399	0.0%	14.0%	207	3,083	0	418	207	3,500	0.0%	13.5%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	5	350	0	91	5	441	0.0%	26.0%	11	338	0	91	11	429	0.0%	26.9%

Ref	Receptor Type	Receptor	C D								C D							
			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
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	37	2,312	21	590	58	2,901	57.3%	25.5%	31	1,564	21	590	52	2,154	67.2%	37.7%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	39	2,360	7	478	45	2,838	16.8%	20.3%	25	1,525	7	478	31	2,004	26.2%	31.4%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	39	1,980	6	410	44	2,390	14.2%	20.7%	24	1,253	6	410	29	1,663	23.2%	32.7%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	37	2,509	11	642	48	3,151	30.0%	25.6%	17	1,690	11	642	28	2,332	63.8%	38.0%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	40	2,262	6	359	46	2,621	13.7%	15.9%	19	1,295	6	359	25	1,654	28.4%	27.7%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	40	2,262	6	359	46	2,621	13.7%	15.9%	19	1,295	6	359	25	1,654	28.4%	27.7%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	53	2,645	6	359	58	3,003	10.4%	13.6%	30	1,475	6	359	36	1,833	18.2%	24.3%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Foads Lane)	3	415	0	79	3	494	0.0%	19.1%	3	279	0	79	3	358	0.0%	28.4%
K-RL8	Road Link	Ebbsfleet Lane	0	45	0	0	0	45	0.0%	0.0%	0	46	0	0	0	46	0.0%	0.0%
K-RL9	Road Link	Cottington Link Road	0	185	0	0	0	185	0.0%	0.0%	0	124	0	0	0	124	0.0%	0.0%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	47	2,526	21	552	68	3,078	44.3%	21.8%	36	1,684	21	552	57	2,235	59.1%	32.8%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	44	3,600	21	691	65	4,291	47.5%	19.2%	36	2,344	21	691	57	3,035	59.1%	29.5%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	41	2,399	7	478	47	2,877	15.9%	19.9%	25	1,537	7	478	31	2,015	26.2%	31.1%
K-RJ4	Road Junction	A299/A256/Cottington Link Road (Sevenscore) Roundabout	58	3,498	11	745	69	4,243	18.9%	21.3%	32	2,166	11	745	43	2,911	34.0%	34.4%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	53	2,694	6	380	58	3,074	10.4%	14.1%	31	1,523	6	380	37	1,903	17.6%	24.9%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	4	377	0	79	4	456	0.0%	21.0%	3	237	0	79	3	316	0.0%	33.4%

Ref	Receptor Type	Receptor	E F								E F							
			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
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	1,629	24,481	616	4,445	2,245	28,926	37.8%	18.2%	1,426	25,912	616	4,445	2,043	30,357	43.2%	17.2%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	1,584	24,394	352	3,380	1,936	27,774	22.3%	13.9%	1,387	25,827	352	3,380	1,739	29,207	25.4%	13.1%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	1,517	20,890	335	2,833	1,852	23,723	22.1%	13.6%	1,328	22,086	335	2,833	1,663	24,919	25.2%	12.8%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	1,240	26,189	363	4,642	1,603	30,831	29.3%	17.7%	1,085	27,819	363	4,642	1,449	32,461	33.5%	16.7%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	1,484	23,858	133	3,166	1,617	27,023	9.0%	13.3%	1,299	25,273	133	3,166	1,432	28,438	10.2%	12.5%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	1,484	23,858	133	3,166	1,617	27,023	9.0%	13.3%	1,299	25,273	133	3,166	1,432	28,438	10.2%	12.5%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	1,704	27,207	133	3,166	1,837	30,373	7.8%	11.6%	1,492	28,819	133	3,166	1,625	31,985	8.9%	11.0%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Foads Lane)	88	3,963	0	732	88	4,695	0.0%	18.5%	77	4,229	0	732	77	4,961	0.0%	17.3%
K-RL8	Road Link	Ebbsfleet Lane	7	503	0	0	7	503	0.0%	0.0%	7	534	0	0	7	534	0.0%	0.0%
K-RL9	Road Link	Cottington Link Road	32	1,891	0	0	32	1,891	0.0%	0.0%	28	2,020	0	0	28	2,020	0.0%	0.0%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	1,720	26,772	608	4,416	2,328	31,188	35.4%	16.5%	1,506	28,349	608	4,416	2,114	32,765	40.4%	15.6%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	2,026	36,930	616	5,409	2,643	42,339	30.4%	14.6%	1,774	39,173	616	5,409	2,391	44,582	34.7%	13.8%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	1,589	24,696	352	3,380	1,941	28,076	22.2%	13.7%	1,391	26,151	352	3,380	1,744	29,530	25.3%	12.9%
K-RJ4	Road Junction	A299/A256/Cottington Link Road (Sevenscore) Roundabout	2,165	36,541	489	5,770	2,654	42,311	22.6%	15.8%	1,896	38,729	489	5,770	2,385	44,499	25.8%	14.9%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	1,754	27,961	133	3,263	1,887	31,224	7.6%	11.7%	1,536	29,616	133	3,263	1,669	32,879	8.7%	11.0%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	82	4,027	0	732	82	4,759	0.0%	18.2%	73	4,274	0	732	73	5,006	0.0%	17.1%

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