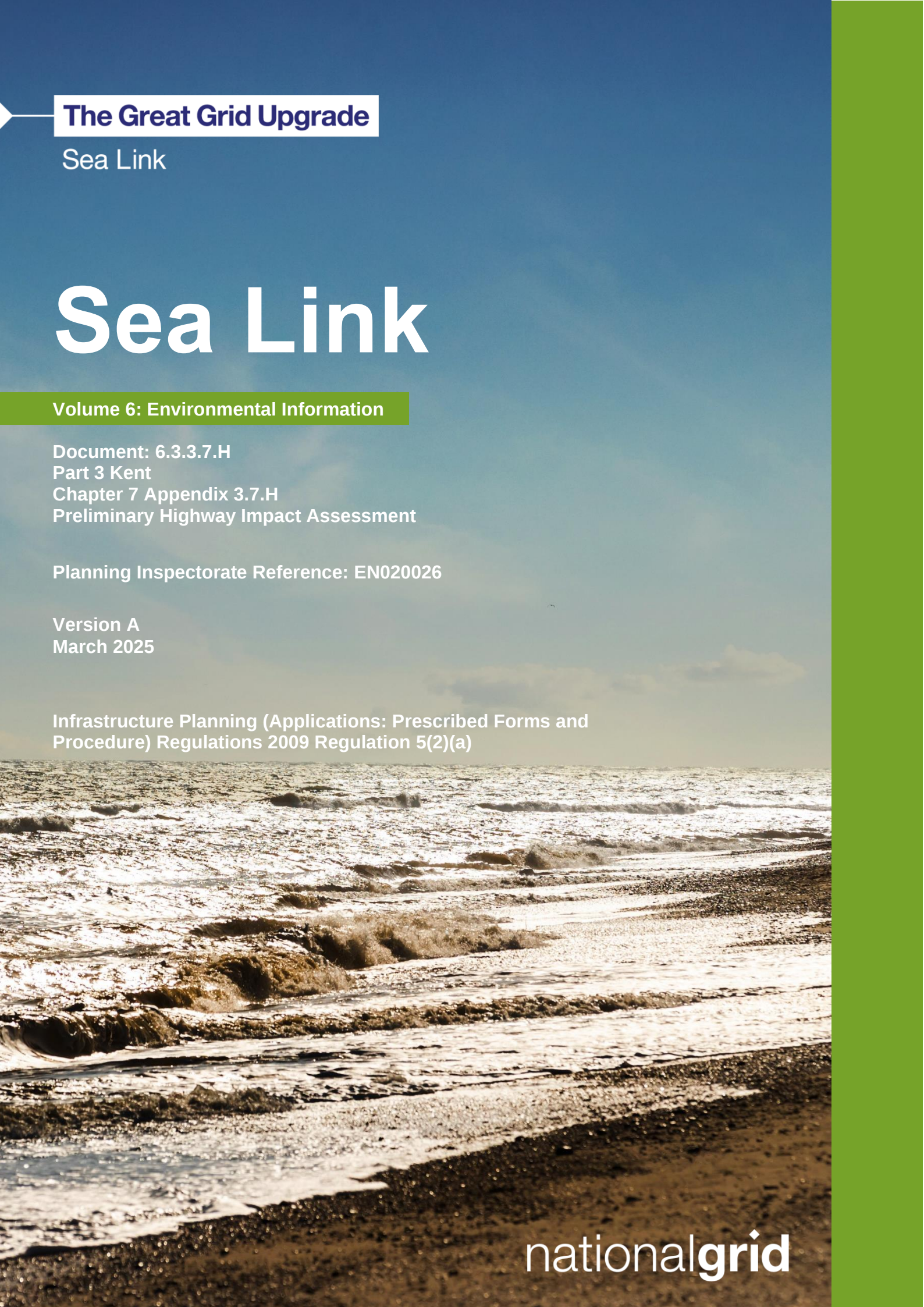




The Great Grid Upgrade

Sea Link

Sea Link

Volume 6: Environmental Information

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Part 3 Kent
Chapter 7 Appendix 3.7.H
Preliminary Highway Impact Assessment

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

nationalgrid

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2030 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
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	143	2,691	0	102	143	2,793	0.0%	3.8%	170	2,520	23	34	193	2,554	13.6%	1.4%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	133	2,484	0	102	133	2,587	0.0%	4.1%	183	2,701	23	34	206	2,735	12.7%	1.3%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	126	2,140	0	102	126	2,242	0.0%	4.8%	180	2,378	23	34	203	2,412	12.9%	1.4%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	96	2,842	0	25	96	2,867	0.0%	0.9%	153	2,771	3	4	156	2,775	1.9%	0.2%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	118	2,641	0	128	118	2,768	0.0%	4.8%	173	2,620	26	38	199	2,657	15.2%	1.4%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	118	2,641	0	290	118	2,930	0.0%	11.0%	173	2,620	26	38	199	2,657	15.2%	1.4%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	124	2,922	0	41	124	2,963	0.0%	1.4%	198	2,960	3	4	201	2,964	1.5%	0.1%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Lord of the Manor Roundabout)	5	349	0	54	5	403	0.0%	15.5%	11	402	18	24	29	426	167.2%	6.0%
K-RL8	Road Link	Ebbsfleet Lane	0	25	0	39	0	64	0.0%	157.5%	2	27	10	14	12	41	464.5%	52.0%
K-RL9	Road Link	Cottingham Link Road	3	143	0	16	3	159	0.0%	11.2%	3	230	1	3	4	233	31.0%	1.3%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	150	2,934	0	102	150	3,037	0.0%	3.5%	175	2,812	23	34	199	2,846	13.2%	1.2%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	171	3,766	0	102	171	3,869	0.0%	2.7%	221	4,027	23	34	244	4,061	10.5%	0.9%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	133	2,504	0	102	133	2,606	0.0%	4.1%	184	2,734	23	34	207	2,769	12.6%	1.3%
K-RJ4	Road Junction	A299/A256/Cottingham Link Road (Sevenscore) Roundabout	168	3,856	0	127	168	3,983	0.0%	3.3%	258	4,030	27	40	285	4,070	10.3%	1.0%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	129	2,982	0	165	129	3,147	0.0%	5.5%	207	3,083	24	33	230	3,116	11.4%	1.1%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	5	350	0	54	5	404	0.0%	15.4%	11	338	18	24	29	362	167.2%	7.1%

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
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	37	2,312	5	15	41	2,327	13.1%	0.7%	31	1,564	0	101	31	1,665	0.0%	6.5%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	39	2,360	5	15	44	2,375	12.4%	0.6%	25	1,525	0	101	25	1,627	0.0%	6.6%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	39	1,980	5	15	44	1,995	12.4%	0.8%	24	1,253	0	101	24	1,354	0.0%	8.1%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	37	2,509	1	2	37	2,511	1.6%	0.1%	17	1,690	0	25	17	1,715	0.0%	1.5%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	40	2,262	6	16	46	2,278	15.0%	0.7%	19	1,295	0	207	19	1,502	0.0%	16.0%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	40	2,262	6	17	46	2,279	15.0%	0.8%	19	1,295	0	57	19	1,352	0.0%	4.4%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	53	2,645	1	2	53	2,646	1.1%	0.1%	30	1,475	0	41	30	1,516	0.0%	2.8%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Foads Lane)	3	415	4	10	7	425	123.8%	2.4%	3	279	0	54	3	333	0.0%	19.4%
K-RL8	Road Link	Ebbsfleet Lane	0	45	2	6	2	51	0.0%	13.3%	0	46	0	39	0	85	0.0%	84.2%
K-RL9	Road Link	Cottington Link Road	0	185	0	2	0	187	0.0%	1.1%	0	124	0	16	0	140	0.0%	12.9%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	47	2,526	5	15	52	2,541	10.1%	0.6%	36	1,684	0	101	36	1,785	0.0%	6.0%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	44	3,600	5	15	49	3,615	10.9%	0.4%	36	2,344	0	101	36	2,445	0.0%	4.3%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	41	2,399	5	15	46	2,414	11.7%	0.6%	25	1,537	0	101	25	1,639	0.0%	6.6%
K-RJ4	Road Junction	A299/A256/Cottington Link Road (Sevenscore) Roundabout	58	3,498	6	18	64	3,515	9.8%	0.5%	32	2,166	0	167	32	2,333	0.0%	7.7%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	53	2,694	5	15	58	2,709	9.7%	0.5%	31	1,523	0	68	31	1,591	0.0%	4.5%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	4	377	4	10	8	387	92.8%	2.7%	3	237	0	54	3	291	0.0%	22.8%

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
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	1,629	24,481	179	410	1,808	24,890	11.0%	1.7%	1,426	25,912	179	410	1,606	26,322	12.6%	1.6%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	1,584	24,394	179	410	1,763	24,803	11.3%	1.7%	1,387	25,827	179	410	1,566	26,237	12.9%	1.6%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	1,517	20,890	179	410	1,696	21,300	11.8%	2.0%	1,328	22,086	179	410	1,507	22,496	13.5%	1.9%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	1,240	26,189	22	66	1,262	26,255	1.8%	0.3%	1,085	27,819	22	66	1,108	27,884	2.1%	0.2%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	1,484	23,858	203	472	1,687	24,330	13.7%	2.0%	1,299	25,273	203	472	1,502	25,745	15.6%	1.9%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	1,484	23,858	203	472	1,687	24,330	13.7%	2.0%	1,299	25,273	203	472	1,502	25,745	15.6%	1.9%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	1,704	27,207	22	95	1,726	27,302	1.3%	0.3%	1,492	28,819	22	95	1,514	28,914	1.5%	0.3%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Foads Lane)	88	3,963	138	302	226	4,265	156.9%	7.6%	77	4,229	138	302	215	4,531	179.1%	7.1%
K-RL8	Road Link	Ebbsfleet Lane	7	503	72	190	79	693	965.1%	37.8%	7	534	72	190	79	724	1087.8%	35.6%
K-RL9	Road Link	Cottington Link Road	32	1,891	8	56	40	1,947	25.0%	3.0%	28	2,020	8	56	36	2,076	28.6%	2.8%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	1,720	26,772	179	410	1,899	27,181	10.4%	1.5%	1,506	28,349	179	410	1,685	28,759	11.9%	1.4%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	2,026	36,930	179	410	2,205	37,339	8.8%	1.1%	1,774	39,173	179	410	1,953	39,583	10.1%	1.0%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	1,589	24,696	179	410	1,768	25,106	11.3%	1.7%	1,391	26,151	179	410	1,571	26,560	12.9%	1.6%
K-RJ4	Road Junction	A299/A256/Cottington Link Road (Sevenscore) Roundabout	2,165	36,541	206	500	2,371	37,041	9.5%	1.4%	1,896	38,729	206	500	2,102	39,229	10.9%	1.3%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	1,754	27,961	182	428	1,936	28,389	10.4%	1.5%	1,536	29,616	182	428	1,718	30,044	11.8%	1.4%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	82	4,027	138	302	220	4,329	168.2%	7.5%	73	4,274	138	302	211	4,576	189.5%	7.1%

Ref	Receptor Type	Receptor	Saturday (12:00-13:00)							
			Baseline		Development		Total		% Increase	
			HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
K-RL1	Road Link	A299 Hengist Way (between the Monkton and Minster Roundabouts)	36	2,211	24	36	60	2,247	67.4%	1.6%
K-RL2	Road Link	A299 Hengist Way (between the Minster and Cliffsend Roundabouts)	39	2,183	24	36	63	2,219	61.8%	1.6%
K-RL3	Road Link	A299 Hengist Way (between the Cliffsend and the Sevenscore Roundabouts)	32	1,802	24	36	56	1,838	74.1%	2.0%
K-RL4	Road Link	A299 Hengist Way (east of the Sevenscore Roundabout, within study area)	32	2,504	3	5	35	2,508	9.3%	0.2%
K-RL5a	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - north of K-BM02	27	2,028	28	40	55	2,067	103.8%	2.0%
K-RL5b	Road Link	A256 Richborough Way (between the Sevenscore and Ebbsfleet Roundabouts) - south of K-BM02	27	2,028	28	40	55	2,067	103.8%	2.0%
K-RL6	Road Link	A256 Ramsgate Road (south of the Ebbsfleet Roundabout, within study area)	33	2,337	3	5	36	2,342	9.0%	0.2%
K-RL7	Road Link	Sandwich Road (between Ebbsfleet Roundabout and Foads Lane)	3	470	19	26	22	496	586.9%	5.5%
K-RL8	Road Link	Ebbsfleet Lane	0	65	10	15	10	80	-	23.2%
K-RL9	Road Link	Cottingham Link Road	0	159	1	3	1	162	-	1.9%
K-RJ1	Road Junction	A299/A253/Willetts Hill (Monkton) Roundabout	42	2,434	24	36	66	2,470	57.0%	1.5%
K-RJ2	Road Junction	A299/B2190/Tothill Street (Minster) Roundabout	50	3,351	24	36	74	3,387	48.3%	1.1%
K-RJ3	Road Junction	A299/Canterbury Road West (Cliffsend) Roundabout	39	2,202	24	36	63	2,238	61.8%	1.6%
K-RJ4	Road Junction	A299/A256/Cottingham Link Road (Sevenscore) Roundabout	46	3,250	28	42	74	3,292	59.5%	1.3%
K-RJ5	Road Junction	A256/Ramsgate Road/Jutes Lane (Ebbsfleet) Roundabout	37	2,426	25	35	61	2,461	67.0%	1.4%
K-RJ6	Road Junction	Sandwich Road/Ebbsfleet Lane Signalised Junction	3	419	19	26	22	445	586.9%	6.2%

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