

The Great Grid Upgrade

Sea Link

Preliminary Environmental Information Report

Volume: 2

Part 2 Suffolk Onshore Scheme

Appendix 2.8.C Baseline Traffic Flows

Version A

October 2023

nationalgrid

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Author AECOM

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Baseline Traffic Flows

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Version History

Date	Version	Status	Description / Changes
24/10/2023	A	FINAL	First issue

2.8.C Baseline Traffic Movements

Table 2.8.C.1 Historic data (DfT Counts)

Location	Data source	Base year	Direction	07:00-08:00		08:00-09:00		09:00-10:00		16:00-17:00		17:00-18:00		18:00-19:00		Weekday (12 hours)		Daily (24 hours)	
				HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
A1094 (Section 2)	EA1N (Count Site 15)	2018	NB	3	74	4	112	8	155	10	295	5	225	2	153	89	2,392	99	2,720
			SB	6	121	11	180	12	203	2	191	3	186	1	133	79	2,451	86	2,763
			Total	9	195	15	292	20	358	12	486	8	411	3	286	168	4,843	185	5,483
B1069 (Section 6)	EA1N (Count Site 7)	2018	NB	7	151	9	157	9	126	5	205	6	182	4	152	83	1,880	94	2,246
			SB	5	155	7	159	7	156	6	202	5	176	1	114	70	1,911	81	2,262
			Total	12	306	16	316	16	282	11	407	11	358	5	266	153	3,791	175	4,508
A1094 (Section 7)	DfT (Count Site 27547)	2019	EB	9	272	12	319	14	284	5	314	0	286	1	217	99	3,344	91	3,688
			WB	2	252	15	296	9	208	4	371	2	301	0	167	109	3,194	101	3,521
			Total	11	524	27	615	23	492	9	685	2	587	1	384	208	6,538	192	7,209
B1121 (Section 8)	DfT (Count Site 809444)	2019	NB	0	21	2	34	1	47	2	57	0	66	0	35	10	596	9	624
			SB	1	38	0	63	0	60	1	56	1	45	0	49	5	586	4	614
			Total	1	59	2	97	1	107	3	113	1	111	0	84	15	1,182	13	1,238
B1121 (Section 11)	Section 15 Flows DfT (Count Site 809444)	2009	NB	2	59	4	109	6	115	7	238	2	223	3	142	45	1,748	42	1,930
			SB	4	92	5	201	9	152	0	153	2	164	3	111	44	1,784	43	1,973
			Total	6	151	9	310	15	267	7	391	4	387	6	253	89	3,532	85	3,903
B1121 (Section 12)	Section 15 Flows DfT (Count Site 950953)	2009	NB	2	59	4	109	6	115	7	238	2	223	3	142	45	1,748	42	1,930
			SB	4	92	5	201	9	152	0	153	2	164	3	111	44	1,784	43	1,973
			Total	6	151	9	310	15	267	7	391	4	387	6	253	89	3,532	85	3,903
B1119 (Section 13)	Section 15 Flows DfT (Count Site 809444)	2009	NB	2	59	4	109	6	115	7	238	2	223	3	142	45	1,748	42	1,930
			SB	4	92	5	201	9	152	0	153	2	164	3	111	44	1,784	43	1,973
			Total	6	151	9	310	15	267	7	391	4	387	6	253	89	3,532	85	3,903
B1119 (Section 14)	Section 15 Flows DfT (Count Site 950953)	2009	NB	2	59	4	109	6	115	7	238	2	223	3	142	45	1,748	42	1,930
			SB	4	92	5	201	9	152	0	153	2	164	3	111	44	1,784	43	1,973
			Total	6	151	9	310	15	267	7	391	4	387	6	253	89	3,532	85	3,903
B1121 (Section 15)	DfT (Count Site 950953)	2009	NB	2	59	4	109	6	115	7	238	2	223	3	142	45	1,748	42	1,930
			SB	4	92	5	201	9	152	0	153	2	164	3	111	44	1,784	43	1,973
			Total	6	151	9	310	15	267	7	391	4	387	6	253	89	3,532	85	3,903
A12 North	EA1N (Count Site 11)	2018	NB	39	321	41	388	39	403	29	575	20	499	14	324	396	5,400	455	6,328
			SB	38	416	40	451	39	407	20	518	19	461	11	309	394	5,387	464	6,265
			Total	77	737	81	839	78	810	49	1,093	39	960	25	633	790	10,787	919	12,593
A12 South	EA1N (Count Site 13)	2018	NB	34	290	35	310	34	360	30	523	25	513	17	333	381	4,832	427	5,515
			SB	34	435	37	485	42	443	35	463	18	410	11	292	403	5,033	469	5,759
			Total	68	725	72	795	76	803	65	986	43	923	28	625	784	9,865	896	11,274

Table 2.8.C.2 2023 Baseline

Location	Data source	Base year	Direction	07:00-08:00		08:00-09:00		09:00-10:00		16:00-17:00		17:00-18:00		18:00-19:00		Weekday (12 hours)		Daily (24 hours)	
				HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
A1094 (Section 2)	EA1N (Count Site 15)	2023	NB	3	77	4	116	8	161	10	306	5	234	2	159	93	2,497	103	2,840
			SB	6	125	11	187	12	210	2	198	3	193	1	138	82	2,558	90	2,884
			Total	9	202	16	303	21	371	12	504	8	427	3	297	175	5,055	193	5,724
B1069 (Section 6)	EA1N (Count Site 7)	2023	NB	7	157	9	163	9	131	5	213	6	189	4	158	87	1,962	98	2,345
			SB	5	161	7	165	7	162	6	210	5	183	1	118	73	1,995	85	2,361
			Total	12	317	17	328	17	292	11	422	11	372	5	276	160	3,957	183	4,706
A1094 (Section 7)	DfT (Count Site 27547)	2023	EB	9	280	12	328	14	292	5	323	0	295	1	224	102	3,460	94	3,817
			WB	2	259	15	305	9	214	4	382	2	310	0	172	113	3,305	105	3,644
			Total	11	539	28	633	24	506	9	706	2	605	1	396	215	6,764	199	7,460
B1121 (Section 8)	DfT (Count Site 809444)	2023	NB	0	22	2	35	1	48	2	59	0	68	0	36	10	617	9	646
			SB	1	39	0	65	0	62	1	58	1	46	0	50	5	606	4	635
			Total	1	61	2	100	1	110	3	116	1	114	0	87	16	1,223	13	1,281
B1121 (Section 11)	Section 15 Flows DfT (Count Site 809444)	2023	NB	2	66	4	121	7	128	8	271	2	254	3	162	53	2,045	49	2,265
			SB	4	103	6	224	10	169	0	174	2	187	3	126	51	2,087	50	2,316
			Total	7	168	10	346	17	298	8	445	5	440	7	288	104	4,132	100	4,581
B1121 (Section 12)	Section 15 Flows DfT (Count Site 950953)	2023	NB	2	66	4	121	7	128	8	271	2	254	3	162	53	2,045	49	2,265
			SB	4	103	6	224	10	169	0	174	2	187	3	126	51	2,087	50	2,316
			Total	7	168	10	346	17	298	8	445	5	440	7	288	104	4,132	100	4,581
B1119 (Section 13)	Section 15 Flows DfT (Count Site 809444)	2023	NB	2	66	4	121	7	128	8	271	2	254	3	162	53	2,045	49	2,265
			SB	4	103	6	224	10	169	0	174	2	187	3	126	51	2,087	50	2,316
			Total	7	168	10	346	17	298	8	445	5	440	7	288	104	4,132	100	4,581
B1119 (Section 14)	Section 15 Flows DfT (Count Site 950953)	2023	NB	2	66	4	121	7	128	8	271	2	254	3	162	53	2,045	49	2,265
			SB	4	103	6	224	10	169	0	174	2	187	3	126	51	2,087	50	2,316
			Total	7	168	10	346	17	298	8	445	5	440	7	288	104	4,132	100	4,581
B1121 (Section 15)	DfT (Count Site 950953)	2023	NB	2	66	4	121	7	128	8	271	2	254	3	162	53	2,045	49	2,265
			SB	4	103	6	224	10	169	0	174	2	187	3	126	51	2,087	50	2,316
			Total	7	168	10	346	17	298	8	445	5	440	7	288	104	4,132	100	4,581
A12 North	EA1N (Count Site 11)	2023	NB	40	333	43	402	40	418	30	597	21	518	15	336	413	5,636	475	6,606
			SB	39	431	41	468	40	422	21	538	20	478	11	321	411	5,623	484	6,540
			Total	80	764	84	870	81	840	51	1,134	40	996	26	657	825	11,259	959	13,147
A12 South	EA1N (Count Site 13)	2023	NB	35	301	36	321	35	373	31	543	26	532	18	346	398	5,043	446	5,757
			SB	35	451	38	503	44	459	36	481	19	426	11	303	421	5,253	490	6,012
			Total	71	752	75	824	79	833	67	1,023	45	958	29	649	818	10,297	935	11,770

Table 2.8.C.3 2029 Baseline

Location	Data source	Base year	Direction	07:00-08:00		08:00-09:00		09:00-10:00		16:00-17:00		17:00-18:00		18:00-19:00		Weekday (12 hours)		Daily (24 hours)	
				HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total	HGVs	Total
A1094 (Section 2)	EA1N (Count Site 15)	2029	NB	3	80	4	121	9	168	11	320	5	244	2	166	98	2,624	109	2,986
			SB	6	131	12	195	13	219	2	207	3	202	1	144	87	2,689	94	3,033
			Total	10	211	16	316	22	387	13	527	9	446	3	310	184	5,313	203	6,020
B1069 (Section 6)	EA1N (Count Site 7)	2029	NB	8	163	10	170	10	136	5	222	7	197	4	165	91	2,063	103	2,466
			SB	5	168	8	172	8	169	7	219	5	191	1	124	77	2,097	89	2,483
			Total	13	331	17	342	17	305	12	441	12	388	5	288	168	4,159	192	4,949
A1094 (Section 7)	DfT (Count Site 27547)	2029	EB	10	292	13	342	15	305	5	338	0	308	1	234	108	3,637	99	4,014
			WB	2	270	16	318	10	223	4	399	2	324	0	180	119	3,473	110	3,832
			Total	12	562	29	660	25	528	10	737	2	632	1	413	226	7,110	209	7,846
B1121 (Section 8)	DfT (Count Site 809444)	2029	NB	0	23	2	36	1	50	2	61	0	71	0	38	11	648	10	679
			SB	1	41	0	68	0	64	1	60	1	48	0	53	5	637	4	668
			Total	1	63	2	104	1	115	3	122	1	119	0	90	16	1,285	14	1,347
B1121 (Section 11)	Section 15 Flows DfT (Count Site 809444)	2029	NB	2	69	5	127	7	134	8	283	2	265	4	169	55	2,149	52	2,382
			SB	5	107	6	234	10	177	0	182	2	195	4	132	54	2,194	53	2,435
			Total	7	175	10	360	17	310	8	465	5	460	7	301	109	4,343	105	4,818
B1121 (Section 12)	Section 15 Flows DfT (Count Site 950953)	2029	NB	2	69	5	127	7	134	8	283	2	265	4	169	55	2,149	52	2,382
			SB	5	107	6	234	10	177	0	182	2	195	4	132	54	2,194	53	2,435
			Total	7	175	10	360	17	310	8	465	5	460	7	301	109	4,343	105	4,818
B1119 (Section 13)	Section 15 Flows DfT (Count Site 809444)	2029	NB	2	69	5	127	7	134	8	283	2	265	4	169	55	2,149	52	2,382
			SB	5	107	6	234	10	177	0	182	2	195	4	132	54	2,194	53	2,435
			Total	7	175	10	360	17	310	8	465	5	460	7	301	109	4,343	105	4,818
B1119 (Section 14)	Section 15 Flows DfT (Count Site 950953)	2029	NB	2	69	5	127	7	134	8	283	2	265	4	169	55	2,149	52	2,382
			SB	5	107	6	234	10	177	0	182	2	195	4	132	54	2,194	53	2,435
			Total	7	175	10	360	17	310	8	465	5	460	7	301	109	4,343	105	4,818
B1121 (Section 15)	DfT (Count Site 950953)	2029	NB	2	69	5	127	7	134	8	283	2	265	4	169	55	2,149	52	2,382
			SB	5	107	6	234	10	177	0	182	2	195	4	132	54	2,194	53	2,435
			Total	7	175	10	360	17	310	8	465	5	460	7	301	109	4,343	105	4,818
A12 North	EA1N (Count Site 11)	2029	NB	42	347	44	419	42	436	31	624	22	541	15	351	434	5,924	500	6,947
			SB	41	450	43	488	42	440	22	562	21	500	12	335	432	5,910	509	6,878
			Total	83	797	88	907	84	876	53	1,185	42	1,041	27	687	867	11,834	1,009	13,826
A12 South	EA1N (Count Site 13)	2029	NB	37	314	38	335	37	389	33	567	27	556	18	361	418	5,301	469	6,055
			SB	37	470	40	524	45	479	38	502	20	445	12	317	442	5,522	515	6,323
			Total	74	784	78	859	82	868	70	1,069	47	1,001	30	678	860	10,823	984	12,378

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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