

The Great Grid Upgrade

Eastern Green Link 5 (EGL 5)

Preliminary Environmental Information Report

Volume 2

Part 2

Appendix 12.C Traffic and Transport
– Preliminary Construction Phase Traffic Flows

Document Reference: EGL5-NGET-CONS-XX-RP-YL-048

May 2026

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Eastern Green Link (EGL) 5

Document control

Document Properties

Organisation WSP UK Ltd

Author David Knapp

Approved by Vinny Holden

Title Appendix 12.C Construction Phase Traffic Flows

Published Document Ref EGL5-NGET-CONS-XX-RP-YL-048

Data Classification Public

12.C. Construction Phase Traffic Flows

12.C.1 Overview

- 12.C.1.1 This appendix provides the assumptions applied to forecast the traffic generation, distribute the trips, and assign to the highway network during the construction (and maintenance) phase of the English Onshore Scheme.
- 12.C.1.2 The following assumptions underpin the preliminary assessment of potential significant effects and are subject to change as the English Onshore Scheme design matures; technical engagement with Lincolnshire County Council, and National Highways progresses; and feedback is received from stakeholders during statutory consultation.
- 12.C.1.3 It is proposed to use the methodology contained within this appendix for the preparation of the Traffic and Transport Chapter of the Environmental Statement (ES) and the associated Transport Technical Note (TTN) or Transport Assessment (TA), which will be submitted as part of the Development Consent Order (DCO) application.
- 12.C.1.4 This appendix should be read in conjunction with **Volume 1, Part 2, Chapter 12: Traffic and Transport**.

12.C.2 Traffic estimates, trip distribution and trip assignment

Forecast construction phase traffic estimate assumptions

- 12.C.2.1 Traffic numbers and staff estimates were produced based upon tasks identified through the preparation of a draft construction programme for the English Onshore Scheme. In calculating the traffic estimates associated with the English Onshore Scheme the following assumptions are used:
- **Estimated Staff and Vehicle Numbers** – The numbers of staff and vehicles were estimated based on the construction activity. Construction activities consisted of the tasks within access and enabling works, cable installation works, and reinstatement sections of the construction programmes.
 - **Programme Phasing / Sequencing** – The peak construction vehicle traffic volumes are based on the current draft programme and most likely phasing. The draft programme and phasing are subject to refinement and change following early contractor involvement and stakeholder feedback.
 - **Programme Durations** – The draft construction programme has been developed using typical durations applied to the various activities expected to be carried out on site. The durations used are based on similar projects and include some tolerance to account for risks encountered on site. The sequencing of the programme has also been developed based on previous projects.
 - **Bellmouths** – It has been assumed that construction sites are accessed from the public highway at one of six bellmouths: BM/005, BM/006, BM/009, BM/011, BM/013, and A/BM/008. BM/005 and BM/006 are assumed to be used by construction traffic for cable works in the eastern area of the English Onshore Scheme, although cable works may be accessed from BM/009, 011, 013 or A/BM/008 depending on phasing

of the works, design development, and the contractor's preferences. BM/011 is assumed to be used by construction traffic for the converter station and cable works in the western area of the English Onshore Scheme in the scenario where neither the Alford Bypass Haul Road nor the Grimsby to Walpole Haul Road have been constructed and are being used by the Project and / or for works taking place before either haul road has been constructed. BM/013 is assumed to be used by construction traffic for the converter station and cable works in the western area of the English Onshore Scheme in the scenario where the Grimsby to Walpole Haul Road has been constructed and is being used by the Project. A/BM/008 is assumed to be used by construction traffic in the scenario where the Alford Bypass Haul Road has been constructed and is being used by the Project. BM/009 is assumed to be used by construction traffic for the converter station and cable works in the western area of the English Onshore Scheme when Grimsby to Walpole works prevent the use of either BM/011, BM/013 and the Grimsby to Walpole Haul Road, or A/BM/008 and the Alford Bypass Haul Road. The use of the Alford Bypass Haul Road and the Grimsby to Walpole Haul Road is subject to confirmation of the route for the transformer and cable drum Abnormal Indivisible Loads (AILs). Once the AIL route is confirmed, and the need for the Alford Bypass Haul Road or the Grimsby to Walpole Haul Road is determined, more accurate estimates of the construction traffic using each bellmouth will follow.

- **Advanced / mobilisation access points** – In addition to the six bellmouths mentioned above, approximately 30 advanced access points may be required for advanced or mobilisation works. At these access points, a peak daily volume of 20 Light Goods Vehicles (LGVs) and 10 Heavy Goods Vehicles (HGVs) has been assumed.
- **Utility Diversions** – No allowance for any utilities diversions has been accounted for within the traffic number estimates.
- **Working Hours** – With the exception of the works for trenchless crossings, the draft construction programme is based on six-day working. There may be activities which require 24 hours, but this has not been accounted for within the programme.

12.C.2.2 Traffic numbers and staff estimates were produced for each bellmouth referenced within a draft construction programme showing the change in HGVs and LGVs. The estimated two-way vehicle movements were calculated for HGVs and LGVs, including staff.

Trip distribution and assignment

12.C.2.3 A population / distance gravity model has been prepared for the study area.

12.C.2.4 The journey time criteria at this stage are based on the information provided for a 1 hour 45-minute drive distance (approximately 60 miles) from the study area for all forecast staff trips.

12.C.2.5 2021 Census and Google Maps data have been used to identify built-up areas with a population of over 5,000 that are within a 1 hour 45-minute drive from the centre of the Project site. 1 hour 45 minutes is considered to be the maximum acceptable length of time for commuting to the site. Google Maps' Journey Planner was used to assign routes to each built-up area for staff travelling to the site.

12.C.2.6 Initially, it has been assumed that HGVs will utilise the fastest reasonable route (i.e., on good standard roads) from the closest point on the strategic road network (SRN) to the site. The two closest locations on the SRN to the English Onshore Scheme are the A46

northwest of Lincoln and the A180 at Grimsby. HGV traffic from the A46 is assumed to use the A158, A16 and A1104. HGV traffic from the A180 is assumed to use the A16 and A1104.

12.C.2.7 The distribution and assignment of the forecast traffic generated is presented in Section 12.C.3 below.

12.C.2.8 Links highlighted in red are those for which recent (2022 or later) traffic count is not available and, therefore, forecast increases in traffic due to construction of the Project have not been calculated. Automatic Traffic Count (ATC) data for these links will be available for the ES and all links will be reassessed based on the latest construction traffic forecasts.

12.C.3 Construction phase traffic flows

Table 12.C-1 EGL 5 forecast construction phase traffic flows (by link and year) 2029 – 2031

Link ID	Link name	Easting	Northing	One-way or two-way	Maximum speed limit	2029						2030						2031					
						AADT ¹			AAWT ²			AADT			AAWT			AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
1	A157 / B1373 / A1104	541328	382867	Two-way	60	173	98	57%	201	116	58%	147	64	44%	170	75	44%	181	83	46%	211	98	46%
2	A157 Kenwick Hill	534173	385037	Two-way	60	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A
3	A16 London Road	536728	378074	Two-way	60	337	175	52%	379	202	53%	555	264	48%	641	309	48%	697	283	41%	812	331	41%
4	A1104	544194	375176	Two-way	60	354	175	49%	401	202	50%	593	264	45%	686	309	45%	760	283	37%	888	331	37%
5	A1111 Alford Road	546491	376775	Two-way	40	269	87	32%	299	96	32%	613	280	46%	710	327	46%	760	283	37%	888	331	37%
6	B1449 Thurlby Road	548653	375979	Two-way	60	195	77	39%	216	86	40%	464	200	43%	538	234	43%	607	200	33%	710	233	33%
7	B1449 Long Lane	550319	375271	Two-way	60	165	67	41%	186	76	41%	369	162	44%	430	190	44%	456	139	30%	534	162	30%
8	A52 Mumby Road	551182	375138	Two-way	50	165	67	41%	186	76	41%	373	162	43%	435	190	44%	463	139	30%	543	162	30%
9	Sea Road / Rectory Road	552837	375540	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
10	Roman Bank / Huttoft Bank	554190	377109	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%

¹ Average Annual Daily Traffic

² Average Annual Weekday Traffic

Link ID	Link name	Easting	Northing	One-way or two-way	Maximum speed limit	2029						2030						2031					
						AADT ¹			AAWT ²			AADT			AAWT			AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
11	Sea Lane	552787	378136	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
12	A52 Sutton Road	551524	377327	Two-way	60	165	67	41%	186	76	41%	373	162	43%	435	190	44%	463	139	30%	543	162	30%
13	Huttoft Road	550248	376207	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
14	Huttoft Footpath 9/1	554336	377478	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
15	Mill Lane, Huttoft	551281	377727	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
16	Crawcroft Lane	551517	378408	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
17	A1111 Sutton Road	547559	377077	Two-way	60	113	10	9%	130	10	8%	202	80	40%	236	93	39%	231	83	36%	271	98	36%
18	Asserby Road	548377	377645	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
19	Track off Roman Bank	554287	376759	Two-way	60	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	145	34	23%	174	41	24%
20	Mill Lane, Saleby	545971	378686	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%

Table 12.C-2 EGL 5 forecast construction phase traffic flows (by link and year) 2032 – 2034

Link ID	Link name	Easting	Northing	One-way or two-way	Speed limit	2032						2033						2034					
						AADT			AAWT			AADT			AAWT			AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
1	A157 / B1373 / A1104	541328	382867	Two-way	60	245	38	16%	288	43	15%	172	23	13%	200	25	13%	73	17	23%	81	18	22%

Link ID	Link name	Easting	Northing	One-way or two-way	Speed limit	2032						2033						2034					
						AADT			AAWT			AADT			AAWT			AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
2	A157 Kenwick Hill	534173	385037	Two-way	60	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A
3	A16 London Road	536728	378074	Two-way	60	521	153	29%	602	174	29%	614	219	36%	713	254	36%	147	47	32%	152	48	32%
4	A1104	544194	375176	Two-way	60	600	153	26%	697	174	17%	665	219	33%	773	254	33%	155	47	30%	162	48	30%
5	A1111 Alford Road	546491	376775	Two-way	40	600	153	26%	697	174	17%	665	219	33%	773	254	33%	155	47	30%	162	48	30%
6	B1449 Thurlby Road	548653	375979	Two-way	60	426	115	27%	494	131	20%	541	196	36%	631	229	36%	3	0	0%	4	0	0%
7	B1449 Long Lane	550319	375271	Two-way	60	318	88	28%	371	101	21%	298	130	44%	346	152	44%	3	0	0%	4	0	0%
8	A52 Mumby Road	551182	375138	Two-way	50	308	88	29%	359	101	21%	290	130	45%	336	152	45%	0	0	N/A	0	0	N/A
9	Sea Road / Rectory Road	552837	375540	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A
10	Roman Bank / Huttoft Bank	554190	377109	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A
11	Sea Lane	552787	378136	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A
12	A52 Sutton Road	551524	377327	Two-way	60	308	88	29%	359	101	21%	290	130	45%	336	152	45%	0	0	N/A	0	0	N/A
13	Huttoft Road	550248	376207	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A
14	Huttoft Footpath 9/1	554336	377478	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A

Link ID	Link name	Easting	Northing	One-way or two-way	Speed limit	2032						2033						2034					
						AADT			AAWT			AADT			AAWT			AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
15	Mill Lane, Huttoft	551281	377727	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A
16	Crawcroft Lane	551517	378408	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	0	0	N/A	0	0	N/A
17	A1111 Sutton Road	547559	377077	Two-way	60	392	38	10%	464	43	6%	274	23	8%	322	25	8%	98	17	17%	110	18	16%
18	Asserby Road	548377	377645	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%
19	Track off Roman Bank	554287	376759	Two-way	60	131	42	32%	158	50	32%	0	0	N/A	0	0	N/A	0	0	N/A	0	0	N/A
20	Mill Lane, Saleby	545971	378686	Two-way	60	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%	30	10	33%

Table 12.C-3 EGL 5 forecast construction phase traffic flows (by link and year) 2035

Link ID	Link name	Easting	Northing	One-way or two-way	Speed limit	2035					
						AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
1	A157 / B1373 / A1104	541328	382867	Two-way	60	130	57	44%	150	66	44%
2	A157 Kenwick Hill	534173	385037	Two-way	60	0	0	N/A	0	0	N/A
3	A16 London Road	536728	378074	Two-way	60	207	87	42%	224	96	43%
4	A1104	544194	375176	Two-way	60	214	87	41%	232	96	41%
5	A1111 Alford Road	546491	376775	Two-way	40	214	87	41%	232	96	41%
6	B1449 Thurlby Road	548653	375979	Two-way	60	3	0	0%	3	0	0%
7	B1449 Long Lane	550319	375271	Two-way	60	3	0	0%	3	0	0%
8	A52 Mumby Road	551182	375138	Two-way	50	0	0	N/A	0	0	N/A
9	Sea Road / Rectory Road	552837	375540	Two-way	60	0	0	N/A	0	0	N/A
10	Roman Bank / Huttoft Bank	554190	377109	Two-way	60	0	0	N/A	0	0	N/A
11	Sea Lane	552787	378136	Two-way	60	0	0	N/A	0	0	N/A
12	A52 Sutton Road	551524	377327	Two-way	60	0	0	N/A	0	0	N/A

Link ID	Link name	Easting	Northing	One-way or two-way	Speed limit	2035 AADT			AAWT		
						Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
13	Huttoft Road	550248	376207	Two-way	60	0	0	N/A	0	0	N/A
14	Huttoft Footpath 9/1	554336	377478	Two-way	60	0	0	N/A	0	0	N/A
15	Mill Lane, Huttoft	551281	377727	Two-way	60	0	0	N/A	0	0	N/A
16	Crawcroft Lane	551517	378408	Two-way	60	0	0	N/A	0	0	N/A
17	A1111 Sutton Road	547559	377077	Two-way	60	151	57	38%	175	66	38%
18	Asserby Road	548377	377645	Two-way	60	30	10	33%	30	10	33%
19	Track off Roman Bank	554287	376759	Two-way	60	0	0	N/A	0	0	N/A
20	Mill Lane, Saleby	545971	378686	Two-way	60	30	10	33%	30	10	33%

Table 12.C-4 EGL 5 forecast construction phase baseline and construction traffic flows (2025 and 2029)

Link ID	Link name	2025 baseline						2029 baseline						2029 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
1	A157 / B1373 / A1104	1134	215	19%	1156	240	21%	1180	224	19%	1203	250	21%	173	98	57%	201	116	58%	15%	44%
2	A157 Kenwick Hill													0	0	N/A	0	0	N/A	0%	0%
3	A16 London Road	7425	526	7%	7564	585	8%	7723	547	7%	7868	609	8%	337	175	52%	379	202	53%	4%	32%
4	A1104													354	175	49%	401	202	50%		
5	A1111 Alford Road	2529	557	22%	2577	620	24%	2630	582	22%	2680	648	24%	269	87	32%	299	96	32%	10%	15%
6	B1449 Thurlby Road	1000	230	23%	1019	256	25%	1040	239	23%	1060	266	25%	195	77	39%	216	86	40%	19%	32%
7	B1449 Long Lane													165	67	41%	186	76	41%		
8	A52 Mumby Road	1526	278	18%	1555	310	20%	1588	289	18%	1618	322	20%	165	67	41%	186	76	41%	10%	23%
9	Sea Road / Rectory Road	183	20	11%	187	23	12%	191	21	11%	195	24	12%	30	10	33%	30	10	33%	16%	48%
10	Roman Bank / Huttoft Bank													30	10	33%	30	10	33%		
11	Sea Lane	75	12	16%	77	14	18%	79	13	16%	81	15	19%	30	10	33%	30	10	33%	38%	77%
12	A52 Sutton Road	3553	53	1%	3620	59	2%	3696	55	1%	3766	62	2%	165	67	41%	186	76	41%	4%	122%
13	Huttoft Road													30	10	33%	30	10	33%		
14	Huttoft Footpath 9/1													30	10	33%	30	10	33%		

Link ID	Link name	2025 baseline						2029 baseline						2029 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			AADT			AAWT				
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	All (AADT)	HGV (AADT)
15	Mill Lane, Huttoft												30	10	33%	30	10	33%			
16	Crawcroft Lane												30	10	33%	30	10	33%			
17	A1111 Sutton Road												113	10	9%	130	10	8%			
18	Asserby Road												30	10	33%	30	10	33%			
19	Track off Roman Bank												0	0	N/A	0	0	N/A			
20	Mill Lane, Saleby												30	10	33%	30	10	33%			

Table 12.C-5 EGL 5 forecast construction phase baseline and construction traffic flows (2030)

Link ID	Link name	2030 baseline						2030 construction						Percentage change in traffic flow		
		AADT			AAWT			AADT			AAWT					
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV
1	A157 / B1373 / A1104	1192	226	19%	1215	252	21%	147	64	44%	170	75	44%	12%	28%	
2	A157 Kenwick Hill							0	0	N/A	0	0	N/A	0%	0%	
3	A16 London Road	7798	552	7%	7944	614	8%	555	264	48%	641	309	48%	7%	48%	
4	A1104							593	264	45%	686	309	45%			
5	A1111 Alford Road	2656	588	22%	2706	654	24%	613	280	46%	710	327	46%	23%	48%	
6	B1449 Thurlby Road	1050	241	23%	1070	268	25%	464	200	43%	538	234	43%	44%	83%	
7	B1449 Long Lane							369	162	44%	430	190	44%			
8	A52 Mumby Road	1603	292	18%	1633	325	20%	373	162	43%	435	190	4%	23%	55%	
9	Sea Road / Rectory Road	193	22	11%	197	25	13%	30	10	33%	30	10	33%	16%	45%	
10	Roman Bank / Huttoft Bank							30	10	33%	30	10	33%			
11	Sea Lane	79	13	16%	81	15	19%	30	10	33%	30	10	33%	38%	77%	
12	A52 Sutton Road	3732	56	2%	3802	63	2%	373	162	43%	435	190	44%	10%	289%	
13	Huttoft Road							30	10	33%	30	10	33%			
14	Huttoft Footpath 9/1							30	10	33%	30	10	33%			
15	Mill Lane, Huttoft							30	10	33%	30	10	33%			
16	Crawcroft Lane							30	10	33%	30	10	33%			
17	A1111 Sutton Road							202	80	40%	236	93	39%			

Link ID	Link name	2030 baseline						2030 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
18	Asserby Road							30	10	33%	30	10	33%		
19	Track off Roman Bank							0	0	N/A	0	0	N/A	0%	0%
20	Mill Lane, Saleby							30	10	33%	30	10	33%		

Table 12.C-6 EGL 5 forecast construction phase baseline and construction traffic flows (2031)

Link ID	Link name	2031 baseline						2031 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
1	A157 / B1373 / A1104	1201	228	19%	1224	254	21%	181	83	46%	211	98	46%	15%	36%
2	A157 Kenwick Hill							0	0	N/A	0	0	N/A	0%	0%
3	A16 London Road	7859	556	7%	8006	619	8%	697	283	41%	812	331	41%	9%	51%
4	A1104							760	283	37%	888	331	37%		
5	A1111 Alford Road	2676	593	22%	2727	660	24%	760	283	37%	888	331	37%	28%	48%
6	B1449 Thurlby Road	1058	243	23%	1078	271	25%	607	200	33%	710	233	33%	57%	82%
7	B1449 Long Lane							456	139	30%	534	162	30%		
8	A52 Mumby Road	1615	294	18%	1646	327	20%	463	139	30%	543	162	30%	29%	47%
9	Sea Road / Rectory Road	194	22	11%	198	25	13%	30	10	33%	30	10	33%	15%	45%
10	Roman Bank / Huttoft Bank							30	10	33%	30	10	33%		
11	Sea Lane	80	13	16%	82	15	18%	30	10	33%	30	10	33%	38%	77%
12	A52 Sutton Road	3761	56	1%	3832	63	2%	463	139	30%	543	162	30%	12%	248%
13	Huttoft Road							30	10	33%	30	10	33%		
14	Huttoft Footpath 9/1							30	10	33%	30	10	33%		
15	Mill Lane, Huttoft							30	10	33%	30	10	33%		
16	Crawcroft Lane							30	10	33%	30	10	33%		
17	A1111 Sutton Road							231	83	36%	271	98	36%		
18	Asserby Road							30	10	33%	30	10	33%		
19	Track off Roman Bank							145	34	23%	174	41	24%		
20	Mill Lane, Saleby							30	10	33%	30	10	33%		

Table 12.C-7 EGL 5 forecast construction phase baseline and construction traffic flows (2032)

Link ID	Link name	2032 baseline						2032 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
1	A157 / B1373 / A1104	1210	230	19%	1233	256	21%	245	38	16%	288	43	15%	20%	17%
2	A157 Kenwick Hill							0	0	N/A	0	0	N/A	0%	0%
3	A16 London Road	7917	561	7%	8065	624	8%	521	153	29%	602	174	29%	7%	27%
4	A1104							600	153	26%	697	174	25%		
5	A1111 Alford Road	2696	597	22%	2747	664	24%	600	153	26%	697	175	25%	22%	26%
6	B1449 Thurlby Road	1066	245	23%	1086	273	25%	426	115	27%	494	131	27%	40%	47%
7	B1449 Long Lane							318	88	28%	371	101	27%		
8	A52 Mumby Road	1627	296	18%	1658	330	20%	308	88	29%	359	101	28%	19%	30%
9	Sea Road / Rectory Road	196	22	11%	200	25	13%	30	10	33%	30	10	33%	15%	45%
10	Roman Bank / Huttoft Bank							30	10	33%	30	10	33%		
11	Sea Lane	80	13	16%	82	15	18%	30	10	33%	30	10	33%	38%	77%
12	A52 Sutton Road	3789	57	2%	3860	64	2%	308	88	29%	359	101	28%	8%	154%
13	Huttoft Road							30	10	33%	30	10	33%		
14	Huttoft Footpath 9/1							30	10	33%	30	10	33%		
15	Mill Lane, Huttoft							30	10	33%	30	10	33%		
16	Crawcroft Lane							30	10	33%	30	10	33%		
17	A1111 Sutton Road							392	38	10%	464	43	9%		
18	Asserby Road							30	10	33%	30	10	33%		
19	Track off Roman Bank							131	42	32%	158	50	32%		
20	Mill Lane. Saleby							30	10	33%	30	10	33%		

Table 12.C-8 EGL 5 forecast construction phase baseline and construction traffic flows (2033)

Link ID	Link name	2033 baseline						2033 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
1	A157 / B1373 / A1104	1219	231	19%	1242	257	21%	172	23	13%	200	25	13%	14%	10%
2	A157 Kenwick Hill							0	0	N/A	0	0	N/A	0%	0%

Link ID	Link name	2033 baseline						2033 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
3	A16 London Road	7976	565	7%	8126	629	8%	614	219	36%	713	254	36%	8%	39%
4	A1104							665	219	33%	773	254	33%		
5	A1111 Alford Road	2716	601	22%	2767	669	24%	665	219	33%	773	254	33%	24%	36%
6	B1449 Thurlby Road	1074	246	23%	1095	274	25%	541	196	36%	631	229	36%	50%	80%
7	B1449 Long Lane							298	130	44%	346	152	44%		
8	A52 Mumby Road	1639	298	18%	1670	332	20%	290	130	45%	336	152	45%	18%	44%
9	Sea Road / Rectory Road	197	22	11%	201	25	12%	30	10	33%	30	10	33%	15%	45%
10	Roman Bank / Huttoft Bank							30	10	33%	30	10	33%		
11	Sea Lane	81	13	16%	83	15	18%	30	10	33%	30	10	33%	37%	77%
12	A52 Sutton Road	3817	57	1%	3889	64	2%	290	130	45%	336	152	45%	8%	228%
13	Huttoft Road							30	10	33%	30	10	33%		
14	Huttoft Footpath 9/1							30	10	33%	30	10	33%		
15	Mill Lane, Huttoft							30	10	33%	30	10	33%		
16	Crawcroft Lane							30	10	33%	30	10	33%		
17	A1111 Sutton Road							290	23	8%	322	25	8%		
18	Asserby Road							30	10	33%	30	10	33%		
19	Track off Roman Bank							0	0	N/A	0	0	N/A	0%	0%
20	Mill Lane. Saleby							30	10	33%	30	10	33%		

Table 12.C-9 EGL 5 forecast construction phase baseline and construction traffic flows (2034)

Link ID	Link name	2034 baseline						2034 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
1	A157 / B1373 / A1104	1228	233	19%	1251	260	21%	73	17	23%	81	18	22%	6%	7%
2	A157 Kenwick Hill							0	0	N/A	0	0	N/A	0%	0%
3	A16 London Road	8035	569	7%	8186	633	8%	147	47	32%	152	48	32%	2%	8%
4	A1104							155	47	30%	162	48	30%		
5	A1111 Alford Road	2736	606	22%	2788	674	24%	155	47	30%	162	48	30%	6%	8%

Link ID	Link name	2034 baseline						2034 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
6	B1449 Thurlby Road	1082	248	23%	1103	276	25%	3	0	0%	4	0	0%	0%	0%
7	B1449 Long Lane							3	0	0%	4	0	0%		
8	A52 Mumby Road	1651	300	18%	1682	334	20%	0	0	N/A	0	0	N/A	0%	0%
9	Sea Road / Rectory Road	199	22	11%	203	25	12%	0	0	N/A	0	0	N/A	0%	0%
10	Roman Bank / Huttoft Bank							0	0	N/A	0	0	N/A	0%	0%
11	Sea Lane	82	13	16%	84	15	18%	0	0	N/A	0	0	N/A	0%	0%
12	A52 Sutton Road	3845	58	2%	3917	65	2%	0	0	N/A	0	0	N/A	0%	0%
13	Huttoft Road							0	0	N/A	0	0	N/A	0%	0%
14	Huttoft Footpath 9/1							0	0	N/A	0	0	N/A	0%	0%
15	Mill Lane, Huttoft							0	0	N/A	0	0	N/A	0%	0%
16	Crawcroft Lane							0	0	N/A	0	0	N/A	0%	0%
17	A1111 Sutton Road							98	17	17%	110	18	16%		
18	Asserby Road							30	10	33%	30	10	33%		
19	Track off Roman Bank							0	0	N/A	0	0	N/A	0%	0%
20	Mill Lane. Saleby							30	10	33%	30	10	33%		

Table 12.C-10 EGL 5 forecast construction phase baseline and construction traffic flows (2035)

Link ID	Link name	2035 baseline						2035 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
1	A157 / B1373 / A1104	1237	235	19%	1261	262	21%	130	57	44%	150	66	44%	11%	24%
2	A157 Kenwick Hill							0	0	N/A	0	0	N/A	0%	0%
3	A16 London Road	8094	573	7%	8246	638	8%	207	87	42%	224	96	43%	3%	15%
4	A1104							214	87	41%	232	96	41%		
5	A1111 Alford Road	2756	610	22%	2808	679	24%	214	87	41%	232	96	41%	8%	14%
6	B1449 Thurlby Road	1090	250	23%	1111	278	25%	3	0	0%	3	0	0%	0%	0%
7	B1449 Long Lane							3	0	0%	3	0	0%		0%
8	A52 Mumby Road	1664	303	18%	1696	337	20%	0	0	N/A	0	0	N/A	0%	0%

Link ID	Link name	2035 baseline						2035 construction						Percentage change in traffic flow	
		AADT			AAWT			AADT			AAWT			All (AADT)	HGV (AADT)
		Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV	Total flow	HGV	%age HGV		
9	Sea Road / Rectory Road	200	22	11%	204	25	12%	0	0	N/A	0	0	N/A	0%	0%
10	Roman Bank / Huttoft Bank							0	0	N/A	0	0	N/A	0%	0%
11	Sea Lane	82	14	17%	84	16	19%	0	0	N/A	0	0	N/A	0%	0%
12	A52 Sutton Road	3874	58	1%	3947	65	2%	0	0	N/A	0	0	N/A	0%	0%
13	Huttoft Road							0	0	N/A	0	0	N/A	0%	0%
14	Huttoft Footpath 9/1							0	0	N/A	0	0	N/A	0%	0%
15	Mill Lane, Huttoft							0	0	N/A	0	0	N/A	0%	0%
16	Crawcroft Lane							0	0	N/A	0	0	N/A	0%	0%
17	A1111 Sutton Road							151	57	38%	175	66	38%		
18	Asserby Road							30	10	33%	30	10	33%		
19	Track off Roman Bank							0	0	N/A	0	0	N/A	0%	0%
20	Mill Lane. Saleby							30	10	33%	30	10	33%		

Table 12.C-11 EGL 5 construction phase traffic flows (maximum percentage change)

Link ID	Link name	Highway link sensitivity	Impact (Rule 1 or Rule 2)	Exceeds Rule 1 / Rule 2 criteria	Further assessment required	Maximum percentage change in traffic flow	
						All (AADT)	HGV (AADT)
1	A157 / B1373 / A1104	Low	Rule 1	Yes	Yes	20%	44%
2	A157 Kenwick Hill	Negligible	Rule 1	No	No	0%	0%
3	A16 London Road	High	Rule 2	Yes	Yes	9%	51%
4	A1104	High	Rule 2	Unknown	Unknown	Unknown	Unknown
5	A1111 Alford Road	Low	Rule 1	Yes	Yes	28%	48%
6	B1449 Thurlby Road	Low	Rule 1	Yes	Yes	57%	83%
7	B1449 Long Lane	Negligible	Rule 1	Unknown	Unknown	Unknown	Unknown
8	A52 Mumby Road	Low	Rule 1	Yes	Yes	29%	55%
9	Sea Road / Rectory Road	Medium	Rule 1	Yes	Yes	16%	48%
10	Roman Bank / Huttoft Bank	Medium	Rule 1	Unknown	Unknown	Unknown	Unknown
11	Sea Lane	Low	Rule 1	Yes	Yes	38%	77%
12	A52 Sutton Road	Medium	Rule 1	Yes	Yes	12%	289%

Link ID	Link name	Highway link sensitivity	Impact (Rule 1 or Rule 2)	Exceeds Rule 1 / Rule 2 criteria	Further assessment required	Maximum percentage change in traffic flow	
						All (AADT)	HGV (AADT)
13	Huttoft Road	Negligible	Rule 1	Unknown	Unknown	Unknown	Unknown
14	Huttoft Footpath 9/1	Medium	Rule 1	Unknown	Unknown	Unknown	Unknown
15	Mill Lane, Huttoft	Low	Rule 1	Unknown	Unknown	Unknown	Unknown
16	Crawcroft Lane	Low	Rule 1	Unknown	Unknown	Unknown	Unknown
17	A1111 Sutton Road	Low	Rule 1	Unknown	Unknown	Unknown	Unknown
18	Asserby Road	Negligible	Rule 1	Unknown	Unknown	Unknown	Unknown
19	Track off Roman Bank	Medium	Rule 1	Unknown	Unknown	Unknown	Unknown
20	Mill Lane, Saleby	Low	Rule 1	Unknown	Unknown	Unknown	Unknown

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

Registered in England and Wales
No. 4031152
nationalgrid.com