



Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 15-6:
Cumulative Schemes Traffic
Flows

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications:
Prescribed Forms and Procedure)
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1. Introduction

- 1.1.1. This Environmental Statement (ES) appendix sets out the 24-hour Total Vehicle and HGV traffic flows associated with each screened-in cumulative schemes listed in Section 15.11 of **ES Chapter 15: Traffic and Access** (Doc Ref. 6.1) for which traffic data has been provided and quantifies the expected traffic flow changes compared with the future baseline flows.
- 1.1.2. The schemes considered for the cumulative traffic assessment are identified as follows:
 - ID05 – EN020036 Grimsby to Walpole;
 - ID06 – EN010130 Outer Dowsing Offshore Wind;
 - ID07 – EN0210003 Eastern Green Link 3 and 4; and
 - ID21 – H16-0521-23 Land North of B1173 Barrier Bank and West of A16 Spalding (Lincs Gateway) Spalding
- 1.1.3. To present a worst-case traffic impact scenario, it has been assumed the peaks of the construction periods for ID05, ID06 and ID07, as well as all operational traffic for ID21, will all fully overlap with the peak of the Scheme’s construction period.
- 1.1.4. Traffic flows have been derived from planning documents submitted to either the Planning Inspectorate or the relevant local planning authority. For some receptors, traffic flows have been inferred based on those identified at nearby receptors to maximise the coverage of the cumulative assessment.
- 1.1.5. The total vehicle flows and HGV flows for the individual cumulative schemes are shown in Table 1-1 to Table 1-8, whilst the overall cumulative scheme traffic flows for all schemes combined are shown in Table 1-9 and Table 1-10.

Table 1-1: ID05 Total Vehicle 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	27,769	356	28,125	1%
L3	A151 Holbeach Road	18,751	312	19,063	2%
L4	A151 Weston Bypass	17,694	298	17,992	2%
L5	A151 High Road	17,454	87	17,541	0%
L7	A16 Spalding Bypass (East of Spalding)	25,877	330	26,207	1%
L11	B1165 Austendike Road	2,802	47	2,849	2%
L14	A16 Spalding Bypass (South-East of Spalding)	17,351	330	17,681	2%
L15	A16 Cowbit Road	25,022	300	25,322	1%
L18	A16 Crowland Bypass (Near Crowland Airfield)	21,993	300	22,293	1%
L23	Hull's Drove (West)	6,699	36	6,735	1%
L25	Hull's Drove (East)	5,497	36	5,533	1%
L30	Holbeach Drove Gate	4,148	36	4,184	1%
L33	A16 Crowland Bypass (East of Crowland)	26,286	300	26,586	1%
L34	A16 (South of Crowland)	23,829	300	24,129	1%
L35	A16 (North of Peterborough)	22,700	289	22,989	1%
J1	A16 / A151 Roundabout	44,014	356	44,370	1%
J2	A151 / High Road Roundabout	20,489	312	20,801	2%

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J3	A151 / High Road / Stone Gate Junction	18,206	298	18,504	2%
J4	A16 / B1165 Low Road Roundabout	31,325	330	31,655	1%
J5	A16 / A1175 Roundabout	29,590	330	29,920	1%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	28,880	300	29,180	1%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	30,031	300	30,331	1%
J12	Martins Road / B1166 Hull's Drove Junction	5,616	36	5,652	1%
J13	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	6,053	36	6,089	1%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	22,944	300	23,244	1%
J16	A16 / B1443 Thorney Road Roundabout	27,219	289	27,508	1%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	22,944	300	23,244	1%

Table 1-2: ID05 HGV 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	4,297	229	4,526	5%
L3	A151 Holbeach Road	1,388	305	1,693	22%
L4	A151 Weston Bypass	1,343	291	1,634	22%
L7	A16 Spalding Bypass (East of Spalding)	3,810	235	4,045	6%
L11	B1165 Austendike Road	216	46	262	21%
L14	A16 Spalding Bypass (South-East of Spalding)	3,442	235	3,677	7%
L15	A16 Cowbit Road	3,137	235	3,372	7%
L18	A16 Crowland Bypass (Near Crowland Airfield)	3,009	235	3,244	8%
L23	Hull's Drove (West)	327	36	363	11%
L25	Hull's Drove (East)	229	36	265	16%
L30	Holbeach Drove Gate	247	36	283	15%
L33	A16 Crowland Bypass (East of Crowland)	3,220	235	3,455	7%
L34	A16 (South of Crowland)	3,155	235	3,390	7%
L35	A16 (North of Peterborough)	2,862	248	3,110	9%
J1	A16 / A151 Roundabout	5,262	229	5,491	4%
J2	A151 / High Road Roundabout	1,550	305	1,855	20%
J3	A151 / High Road / Stone Gate Junction	1,388	291	1,679	21%

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J4	A16 / B1165 Low Road Roundabout	4,014	235	4,249	6%
J5	A16 / A1175 Roundabout	3,770	235	4,005	6%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	3,341	235	3,576	7%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	3,446	235	3,681	7%
J12	Martins Road / B1166 Hull's Drove Junction	233	36	269	15%
J13	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	224	36	260	16%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	2,945	235	3,180	8%
J16	A16 / B1443 Thorney Road Roundabout	2,989	248	3,237	8%

Table 1-3: ID06 Total Vehicle 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	27,769	428	28,197	2%
L7	A16 Spalding Bypass (East of Spalding)	25,877	428	26,305	2%
L14	A16 Spalding Bypass (South-East of Spalding)	17,351	428	17,779	2%
L15	A16 Cowbit Road	25,022	428	25,450	2%
L18	A16 Crowland Bypass (Near Crowland Airfield)	21,993	428	22,421	2%
L33	A16 Crowland Bypass (East of Crowland)	26,286	428	26,714	2%
L34	A16 (South of Crowland)	23,829	428	24,257	2%
L35	A16 (North of Peterborough)	22,700	428	23,128	2%
J1	A16 / A151 Roundabout	44,014	428	44,442	1%
J4	A16 / B1165 Low Road Roundabout	31,325	428	31,753	1%
J5	A16 / A1175 Roundabout	29,590	428	30,018	1%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	28,880	428	29,308	1%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	30,031	428	30,459	1%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	22,944	428	23,372	2%
J16	A16 / B1443 Thorney Road Roundabout	27,219	428	27,647	2%

Table 1-4: ID06 HGV 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	4,297	105	4,402	2%
L7	A16 Spalding Bypass (East of Spalding)	3,810	105	3,915	3%
L14	A16 Spalding Bypass (South-East of Spalding)	3,442	105	3,547	3%
L15	A16 Cowbit Road	3,137	105	3,242	3%
L18	A16 Crowland Bypass (Near Crowland Airfield)	3,009	105	3,114	3%
L33	A16 Crowland Bypass (East of Crowland)	3,220	105	3,325	3%
L34	A16 (South of Crowland)	3,155	105	3,260	3%
L35	A16 (North of Peterborough)	2,862	105	2,967	4%
J1	A16 / A151 Roundabout	5,262	105	5,367	2%
J4	A16 / B1165 Low Road Roundabout	4,014	105	4,119	3%
J5	A16 / A1175 Roundabout	3,770	105	3,875	3%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	3,341	105	3,446	3%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	3,446	105	3,551	3%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	2,945	105	3,050	4%
J16	A16 / B1443 Thorney Road Roundabout	2,989	105	3,094	4%

Table 1-5: ID07 Total Vehicle 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L11	B1165 Austendike Road	2,802	214	3,016	8%
L18	A16 Crowland Bypass (Near Crowland Airfield)	21,993	17	22,010	0%

Table 1-6: ID07 HGV 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L11	B1165 Austendike Road	216	170	386	79%
L18	A16 Crowland Bypass (Near Crowland Airfield)	3,009	8	3,017	0%

Table 1-7: ID21 Total Vehicle 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	27,769	197	27,966	1%
L3	A151 Holbeach Road	18,751	197	18,948	1%
L7	A16 Spalding Bypass (East of Spalding)	25,877	394	26,271	2%
L11	B1165 Austendike Road	2,802	394	3,196	14%
L14	A16 Spalding Bypass (South-East of Spalding)	17,351	789	18,140	5%
L15	A16 Cowbit Road	25,022	399	25,421	2%
L18	A16 Crowland Bypass (Near Crowland Airfield)	21,993	399	22,392	2%
L33	A16 Crowland Bypass (East of Crowland)	26,286	399	26,685	2%
L34	A16 (South of Crowland)	23,829	399	24,228	2%
L35	A16 (North of Peterborough)	22,700	399	23,099	2%
J1	A16 / A151 Roundabout	44,014	394	44,408	1%
J4	A16 / B1165 Low Road Roundabout	31,325	538	31,863	2%
J5	A16 / A1175 Roundabout	29,590	244	29,834	1%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	28,880	399	29,279	1%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	30,031	399	30,430	1%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	22,944	399	23,343	2%

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J16	A16 / B1443 Thorney Road Roundabout	27,219	399	27,618	1%

Table 1-8: ID21 HGV 24-Hour Traffic Flows

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	4,297	41	4,338	1%
L3	A151 Holbeach Road	1,388	41	1,430	3%
L7	A16 Spalding Bypass (East of Spalding)	3,810	82	3,892	2%
L11	B1165 Austendike Road	216	3	219	1%
L14	A16 Spalding Bypass (South-East of Spalding)	3,442	439	3,881	13%
L15	A16 Cowbit Road	3,137	343	3,480	11%
L18	A16 Crowland Bypass (Near Crowland Airfield)	3,009	343	3,352	11%
L33	A16 Crowland Bypass (East of Crowland)	3,220	343	3,563	11%
L34	A16 (South of Crowland)	3,155	343	3,499	11%
L35	A16 (North of Peterborough)	2,862	343	3,205	12%
J1	A16 / A151 Roundabout	5,262	82	5,344	2%
J4	A16 / B1165 Low Road Roundabout	4,014	231	4,245	6%
J5	A16 / A1175 Roundabout	3,770	202	3,972	5%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	3,341	343	3,685	10%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	3,446	343	3,790	10%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	2,945	343	3,288	12%

Ref	Receptor	Future Baseline Peak Flows	ID05 Site Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J16	A16 / B1443 Thorney Road Roundabout	2,989	343	3,332	11%

Table 1-9: Screened in Cumulative Schemes – 24-Hour Total Vehicle Traffic Flows

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	Y	27,769	981	28,750	4%
L2	Cross Gate	N	168	0	168	0%
L3	A151 Holbeach Road	Y	18,751	509	19,260	3%
L4	A151 Weston Bypass	Y	17,694	298	17,992	2%
L5	A151 High Road	N	17,454	87	17,541	0%
L6	Stone Gate	N	194	0	194	0%
L7	A16 Spalding Bypass (East of Spalding)	Y	25,877	1152	27,029	4%
L8	Broadgate	N	767	0	767	0%
L9	Delgate Bank (North)	N	122	0	122	0%
L10	Long Lane	N	1,074	0	1,074	0%
L11	B1165 Austendike Road	N	2,802	655	3,457	23%
L12	Delgate Bank (Central)	N	207	0	207	0%
L13	West Gate	N	224	0	224	0%
L14	A16 Spalding Bypass (South-East of Spalding)	Y	17,351	1547	18,898	9%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L15	A16 Cowbit Road	Y	25,022	1127	26,149	5%
L16	B1357 Moulton Chapel Road	N	4,193	0	4,193	0%
L17	Delgate Bank (South)	N	111	0	111	0%
L18	A16 Crowland Bypass (Near Crowland Airfield)	Y	21,993	1144	23,137	5%
L19	Queen's Bank	N	164	0	164	0%
L20	Cloot Drove	N	94	0	94	0%
L21	Barrier Bank	Y	2,202	0	2,202	0%
L22	James Road	Y	2,918	0	2,918	0%
L23	Hull's Drove (West)	Y	6,699	36	6,735	1%
L24	Martins Road	Y	237	0	237	0%
L25	Hull's Drove (East)	Y	5,497	36	5,533	1%
L26	Eaugate Road	N	330	0	330	0%
L27	Chapel Hill	N	315	0	315	0%
L28	Chapel Gate	N	122	0	122	0%
L29	Dog Drove North	N	88	0	88	0%
L30	Holbeach Drove Gate	N	4,148	36	4,184	1%
L31	B1166 Long Lane	Y	2,389	0	2,389	0%
L32	Langary Gate Road	Y	97	0	97	0%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L33	A16 Crowland Bypass (East of Crowland)	Y	26,286	1127	27,413	4%
L34	A16 (South of Crowland)	Y	23,829	1127	24,956	5%
L35	A16 (North of Peterborough)	Y	22,700	1116	23,816	5%
J1	A16 / A151 Roundabout	Y	44,014	1178	45,192	3%
J2	A151 / High Road Roundabout	Y	20,489	312	20,801	2%
J3	A151 / High Road / Stone Gate Junction	N	18,206	298	18,504	2%
J4	A16 / B1165 Low Road Roundabout	Y	31,325	1296	32,621	4%
J5	A16 / A1175 Roundabout	Y	29,590	1002	30,592	3%
J6	B1168 Raven's Gate / B1165 Raven's Bank	N	8,122	0	8,122	0%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	Y	28,880	1127	30,007	4%
J8	Barrier Bank / Queen's Bank / Wash Bank Junction	N	2,212	0	2,212	0%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J9	B1166 Postland Road / James Road Junction	N	5,781	0	5,781	0%
J10	B1166 Spalding Road / B1166 James Road / James Road Junction	Y	4,566	0	4,566	0%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	Y	30,031	1127	31,158	4%
J12	Martins Road / B1166 Hull's Drove Junction	Y	5,616	36	5,652	1%
J13	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	Y	6,053	36	6,089	1%
J14	Langary Gate Road / B1166 Mill Lane / B1166 Long Lane Junction	Y	2,299	0	2,299	0%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road	Y	22,944	1127	24,071	5%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
	South Junction					
J16	A16 / B1443 Thorney Road Roundabout	Y	27,219	1116	28,335	4%

Table 1-10: Screened in Cumulative Schemes – 24-Hour HGV Traffic Flows

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	Y	4,297	375	4,672	9%
L2	Cross Gate	N	19	0	19	0%
L3	A151 Holbeach Road	Y	1,388	346	1,735	25%
L4	A151 Weston Bypass	Y	1,343	291	1,634	22%
L5	A151 High Road	N	1,308	0	1,308	0%
L6	Stone Gate	N	17	0	17	0%
L7	A16 Spalding Bypass (East of Spalding)	Y	3,810	422	4,232	11%
L8	Broadgate	N	34	0	34	0%
L9	Delgate Bank (North)	N	7	0	7	0%
L10	Long Lane	N	85	0	85	0%
L11	B1165 Austendike Road	N	216	219	435	101%
L12	Delgate Bank (Central)	N	14	0	14	0%
L13	West Gate	N	16	0	16	0%
L14	A16 Spalding Bypass (South-East of Spalding)	Y	3,442	779	4,221	23%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L15	A16 Cowbit Road	Y	3,137	683	3,820	22%
L16	B1357 Moulton Chapel Road	N	337	0	337	0%
L17	Delgate Bank (South)	N	7	0	7	0%
L18	A16 Crowland Bypass (Near Crowland Airfield)	Y	3,009	691	3,700	23%
L19	Queen's Bank	N	18	0	18	0%
L20	Cloot Drove	N	3	0	3	0%
L21	Barrier Bank	Y	137	0	137	0%
L22	James Road	Y	173	0	173	0%
L23	Hull's Drove (West)	Y	327	36	363	11%
L24	Martins Road	Y	16	0	16	0%
L25	Hull's Drove (East)	Y	229	36	265	16%
L26	Eaugate Road	N	33	0	33	0%
L27	Chapel Hill	N	38	0	38	0%
L28	Chapel Gate	N	7	0	7	0%
L29	Dog Drove North	N	9	0	9	0%
L30	Holbeach Drove Gate	N	247	36	283	15%
L31	B1166 Long Lane	Y	121	0	121	0%
L32	Langary Gate Road	Y	6	0	6	0%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L33	A16 Crowland Bypass (East of Crowland)	Y	3,220	683	3,903	21%
L34	A16 (South of Crowland)	Y	3,155	683	3,839	22%
L35	A16 (North of Peterborough)	Y	2,862	696	3,558	24%
J1	A16 / A151 Roundabout	Y	5,262	416	5,678	8%
J2	A151 / High Road Roundabout	Y	1,550	305	1,855	20%
J3	A151 / High Road / Stone Gate Junction	N	1,388	291	1,679	21%
J4	A16 / B1165 Low Road Roundabout	Y	4,014	571	4,585	14%
J5	A16 / A1175 Roundabout	Y	3,770	542	4,312	14%
J6	B1168 Raven's Gate / B1165 Raven's Bank	N	300	0	300	0%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	Y	3,341	683	4,025	20%
J8	Barrier Bank / Queen's Bank / Wash Bank Junction	N	130	0	130	0%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J9	B1166 Postland Road / James Road Junction	N	194	0	194	0%
J10	B1166 Spalding Road / B1166 James Road / James Road Junction	Y	224	0	224	0%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	Y	3,446	683	4,130	20%
J12	Martins Road / B1166 Hull's Drove Junction	Y	233	36	269	15%
J13	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	Y	224	36	260	16%
J14	Langary Gate Road / B1166 Mill Lane / B1166 Long Lane Junction	Y	112	0	112	0%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road	Y	2,945	683	3,628	23%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
	South Junction					
J16	A16 / B1443 Thorney Road Roundabout	Y	2,989	696	3,685	23%

Table 1-11: Screened in Cumulative Schemes – 24-Hour Total Vehicle Traffic Flows (including Meridian Solar traffic flows)

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	Y	27,769	981	255	29,004	4%
L2	Cross Gate	N	168	0	0	168	0%
L3	A151 Holbeach Road	Y	18,751	509	173	19,433	4%
L4	A151 Weston Bypass	Y	17,694	298	144	18,136	2%
L5	A151 High Road	N	17,454	87	55	17,596	1%
L6	Stone Gate	N	194	0	0	194	0%
L7	A16 Spalding Bypass (East of Spalding)	Y	25,877	1152	339	27,368	6%
L8	Broadgate	N	767	0	0	767	0%
L9	Delgate Bank (North)	N	122	0	0	122	0%
L10	Long Lane	N	1,074	0	0	1,074	0%
L11	B1165 Austendike Road	N	2,802	655	59	3,516	25%
L12	Delgate Bank (Central)	N	207	0	0	207	0%
L13	West Gate	N	224	0	0	224	0%
L14	A16 Spalding Bypass (South-East of Spalding)	Y	17,351	1547	289	19,187	11%
L15	A16 Cowbit Road	Y	25,022	1127	365	26,514	6%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L16	B1357 Moulton Chapel Road	N	4,193	0	24	4,217	1%
L17	Delgate Bank (South)	N	111	0	0	111	0%
L18	A16 Crowland Bypass (Near Crowland Airfield)	Y	21,993	1144	400	23,536	7%
L19	Queen's Bank	N	164	0	0	164	0%
L20	Clout Drove	N	94	0	0	94	0%
L21	Barrier Bank	Y	2,202	0	190	2,392	9%
L22	James Road	Y	2,918	0	190	3,109	7%
L23	Hull's Drove (West)	Y	6,699	36	364	7,099	6%
L24	Martins Road	Y	237	0	351	587	148%
L25	Hull's Drove (East)	Y	5,497	36	249	5,782	5%
L26	Eaugate Road	N	330	0	13	343	4%
L27	Chapel Hill	N	315	0	13	328	4%
L28	Chapel Gate	N	122	0	0	122	0%
L29	Dog Drove North	N	88	0	0	88	0%
L30	Holbeach Drove Gate	N	4,148	36	13	4,197	1%
L31	B1166 Long Lane	Y	2,389	0	236	2,625	10%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L32	Langary Gate Road	Y	97	0	236	333	243%
L33	A16 Crowland Bypass (East of Crowland)	Y	26,286	1127	351	27,764	6%
L34	A16 (South of Crowland)	Y	23,829	1127	296	25,252	6%
L35	A16 (North of Peterborough)	Y	22,700	1116	296	24,112	6%
J1	A16 / A151 Roundabout	Y	44,014	1178	383	45,575	4%
J2	A151 / High Road Roundabout	Y	20,489	312	173	20,974	2%
J3	A151 / High Road / Stone Gate Junction	N	18,206	298	55	18,559	2%
J4	A16 / B1165 Low Road Roundabout	Y	31,325	1296	339	32,959	5%
J5	A16 / A1175 Roundabout	Y	29,590	1002	388	30,979	5%
J6	B1168 Raven's Gate / B1165 Raven's Bank	N	8,122	0	42	8,164	1%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	Y	28,880	1127	389	30,396	5%
J8	Barrier Bank / Queen's Bank / Wash Bank Junction	N	2,212	0	0	2,212	0%
J9	B1166 Postland Road / James Road Junction	N	5,781	0	0	5,781	0%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J10	B1166 Spalding Road / B1166 James Road / James Road Junction	Y	4,566	0	190	4,756	4%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	Y	30,031	1127	557	31,715	6%
J12	Martins Road / B1166 Hull's Drove Junction	Y	5,616	36	364	6,016	7%
J13	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	Y	6,053	36	249	6,338	5%
J14	Langary Gate Road / B1166 Mill Lane / B1166 Long Lane Junction	Y	2,299	0	236	2,535	10%
J15	A16 Crowland Bypass / B1040 Nene Terrace Road / B1040 Thorney Road South Junction	Y	22,944	1127	351	24,421	6%
J16	A16 / B1443 Thorney Road Roundabout	Y	27,219	1116	296	28,631	5%

Table 1-12: Screened in Cumulative Schemes – 24-Hour HGV Traffic Flows (including Meridian Solar traffic flows)

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L1	A16 Spalding Bypass (North-East of Spalding)	Y	4,297	375	144	4,817	12%
L2	Cross Gate	N	19	0	0	19	0%
L3	A151 Holbeach Road	Y	1,388	346	47	1,781	28%
L4	A151 Weston Bypass	Y	1,343	291	33	1,667	24%
L5	A151 High Road	N	1,308	0	12	1,319	1%
L6	Stone Gate	N	17	0	0	17	0%
L7	A16 Spalding Bypass (East of Spalding)	Y	3,810	422	144	4,376	15%
L8	Broadgate	N	34	0	0	34	0%
L9	Delgate Bank (North)	N	7	0	0	7	0%
L10	Long Lane	N	85	0	0	85	0%
L11	B1165 Austendike Road	N	216	219	15	450	108%
L12	Delgate Bank (Central)	N	14	0	0	14	0%
L13	West Gate	N	16	0	0	16	0%
L14	A16 Spalding Bypass (South-East of Spalding)	Y	3,442	779	129	4,350	26%
L15	A16 Cowbit Road	Y	3,137	683	129	3,949	26%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L16	B1357 Moulton Chapel Road	N	337	0	0	337	0%
L17	Delgate Bank (South)	N	7	0	0	7	0%
L18	A16 Crowland Bypass (Near Crowland Airfield)	Y	3,009	691	144	3,845	28%
L19	Queen's Bank	N	18	0	0	18	0%
L20	Clout Drove	N	3	0	0	3	0%
L21	Barrier Bank	Y	137	0	40	177	29%
L22	James Road	Y	173	0	40	213	23%
L23	Hull's Drove (West)	Y	327	36	132	495	51%
L24	Martins Road	Y	16	0	127	143	787%
L25	Hull's Drove (East)	Y	229	36	90	354	55%
L26	Eaugate Road	N	33	0	6	39	17%
L27	Chapel Hill	N	38	0	6	43	15%
L28	Chapel Gate	N	7	0	0	7	0%
L29	Dog Drove North	N	9	0	0	9	0%
L30	Holbeach Drove Gate	N	247	36	6	289	17%
L31	B1166 Long Lane	Y	121	0	84	205	69%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
L32	Langary Gate Road	Y	6	0	84	90	1468%
L33	A16 Crowland Bypass (East of Crowland)	Y	3,220	683	144	4,047	26%
L34	A16 (South of Crowland)	Y	3,155	683	144	3,983	26%
L35	A16 (North of Peterborough)	Y	2,862	696	144	3,702	29%
J1	A16 / A151 Roundabout	Y	5,262	416	168	5,846	11%
J2	A151 / High Road Roundabout	Y	1,550	305	47	1,902	23%
J3	A151 / High Road / Stone Gate Junction	N	1,388	291	12	1,691	22%
J4	A16 / B1165 Low Road Roundabout	Y	4,014	571	144	4,729	18%
J5	A16 / A1175 Roundabout	Y	3,770	542	129	4,441	18%
J6	B1168 Raven's Gate / B1165 Raven's Bank	N	300	0	0	300	0%
J7	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	Y	3,341	683	129	4,154	24%
J8	Barrier Bank / Queen's Bank / Wash Bank Junction	N	130	0	0	130	0%
J9	B1166 Postland Road / James Road Junction	N	194	0	0	194	0%

Ref	Receptor	Screened in for Meridian Solar	Future Baseline Peak Flows	Total Cumulative Scheme Flows	Scheme Flows	Future Baseline + Cumulative Total Flows	Cumulative Increase (%)
J10	B1166 Spalding Road / B1166 James Road / James Road Junction	Y	224	0	40	264	18%
J11	A16 Crowland Bypass / James Road / Hull's Drove Junction	Y	3,446	683	210	4,340	26%
J12	Martins Road / B1166 Hull's Drove Junction	Y	233	36	132	401	72%
J13	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	Y	224	36	90	350	56%
J14	Langary Gate Road / B1166 Mill Lane / B1166 Long Lane Junction	Y	112	0	84	196	75%
J15	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	Y	2,945	683	144	3,773	28%
J16	A16 / B1443 Thorney Road Roundabout	Y	2,989	696	144	3,829	28%

