



Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 15-3:
Receptor Traffic Flow Tables

APFP Regulation 5(2)(a)

Infrastructure Planning (Applications:
Prescribed Forms and Procedure)
Regulations 2009

March 2026

Total Vehicle Traffic Flows - Future Baseline vs. Development

Ref	Receptor Type	Receptor Name	AM Construction Peak (06:00-07:00)			AM Network Peak (08:00-09:00)			PM Network Peak (16:00-17:00)			PM Construction Peak (19:00-20:00)			12 Hour Weekday (07:00-19:00)			18 Hour Weekday (06:00-00:00)			24 Hour Daily			Average Hourly Traffic Flow		
			AM Con Base	AM Con Dev	AM Con % Change	AM Net Base	AM Net Dev	AM Net % Change	PM Net Base	PM Net Dev	PM Net % Change	PM Con Base	PM Con Dev	PM Con % Change	12hr Base	12hr Dev	12hr % Change	18hr Base	18hr Dev	18hr % Change	24hr Base	24hr Dev	24hr % Change	Base Avg Hr Flow	Base+Dev Avg Hr Flow	Average Hourly Traffic Flow Increase
L1	Link	A16 Spalding Bypass (North-East of Spalding)	1,180	67	6%	1,912	0	0%	2,041	15	1%	828	67	8%	20,272	120	1%	24,736	255	1%	27,769	255	1%	1,157	1,168	11
L2	Link	Cross Gate	7	0	0%	19	0	0%	12	0	0%	6	0	0%	140	0	0%	165	0	0%	168	0	0%	7	7	0
L3	Link	A151 Holbeach Road	690	65	9%	1,179	0	0%	1,523	5	0%	723	65	9%	15,231	42	0%	18,008	173	1%	18,751	173	1%	781	789	7
L4	Link	A151 Weston Bypass	629	57	9%	1,204	0	0%	1,285	4	0%	619	57	9%	13,542	30	0%	16,011	144	1%	17,694	144	1%	737	743	6
L5	Link	A151 High Road	623	22	4%	1,196	0	0%	1,276	1	0%	608	22	4%	13,359	11	0%	15,795	55	0%	17,454	55	0%	727	730	2
L6	Link	Stone Gate	9	0	0%	16	0	0%	21	0	0%	6	0	0%	161	0	0%	183	0	0%	194	0	0%	8	8	0
L7	Link	A16 Spalding Bypass (East of Spalding)	1,120	109	10%	1,735	0	0%	1,891	15	1%	894	109	12%	18,891	120	1%	23,051	339	1%	25,877	339	1%	1,078	1,092	14
L8	Link	Broadgate	18	0	0%	68	0	0%	74	0	0%	27	0	0%	669	0	0%	751	0	0%	767	0	0%	32	32	0
L9	Link	Delgate Bank (North)	6	0	0%	9	0	0%	8	0	0%	2	0	0%	103	0	0%	117	0	0%	122	0	0%	5	5	0
L10	Link	Long Lane	67	0	0%	95	0	0%	91	0	0%	36	0	0%	873	0	0%	1,028	0	0%	1,074	0	0%	45	45	0
L11	Link	B1165 Austendike Road	106	23	22%	269	0	0%	268	2	1%	76	23	30%	2,404	14	1%	2,728	59	2%	2,802	59	2%	117	119	2
L12	Link	Delgate Bank (Central)	9	0	0%	13	0	0%	19	0	0%	5	0	0%	171	0	0%	200	0	0%	207	0	0%	9	9	0
L13	Link	West Gate	12	0	0%	19	0	0%	18	0	0%	7	0	0%	192	0	0%	221	0	0%	224	0	0%	9	9	0
L14	Link	A16 Spalding Bypass (South-East of Spalding)	695	91	13%	1,205	0	0%	1,344	13	1%	592	91	15%	12,666	107	1%	15,456	289	2%	17,351	289	2%	723	735	12
L15	Link	A16 Cowbit Road	1,160	129	11%	1,539	0	0%	1,839	13	1%	860	129	15%	18,267	107	1%	22,289	365	2%	25,022	365	1%	1,043	1,058	15
L16	Link	B1357 Moulton Chapel Road	170	12	7%	357	0	0%	368	0	0%	166	12	7%	3,448	0	0%	4,052	24	1%	4,193	24	1%	175	176	1
L17	Link	Delgate Bank (South)	5	0	0%	6	0	0%	9	0	0%	3	0	0%	93	0	0%	107	0	0%	111	0	0%	5	5	0
L18	Link	A16 Crowland Bypass (Near Crowland Airfield)	1,147	140	12%	1,471	0	0%	1,545	15	1%	829	140	17%	16,811	120	1%	20,513	400	2%	21,993	400	2%	916	933	17
L19	Link	Queen's Bank	3	0	0%	13	0	0%	19	0	0%	5	0	0%	145	0	0%	162	0	0%	164	0	0%	7	7	0
L20	Link	Cloot Drove	2	0	0%	10	0	0%	12	0	0%	3	0	0%	83	0	0%	93	0	0%	94	0	0%	4	4	0
L21	Link	Barrier Bank	86	85	100%	171	0	0%	218	2	1%	86	85	99%	1,839	19	1%	2,145	190	9%	2,202	190	9%	92	100	8
L22	Link	James Road	78	85	109%	222	0	0%	172	2	1%	113	85	76%	2,093	19	1%	2,577	190	7%	2,918	190	7%	122	130	8
L23	Link	Hull's Drove (West)	275	131	48%	422	0	0%	523	13	2%	221	131	59%	4,804	101	2%	5,915	364	6%	6,699	364	5%	279	294	15
L24	Link	Martins Road	6	127	2007%	20	0	0%	19	12	64%	9	127	1397%	202	97	48%	230	351	153%	237	351	148%	10	24	15
L25	Link	Hull's Drove (East)	258	90	35%	402	0	0%	476	9	2%	195	90	46%	3,996	68	2%	4,904	249	5%	5,497	249	5%	229	239	10
L26	Link	Eaugate Road	7	4	62%	27	0	0%	32	1	2%	15	4	27%	284	5	2%	326	13	4%	330	13	4%	14	14	1
L27	Link	Chapel Hill	15	4	28%	23	0	0%	25	1	2%	9	4	47%	272	5	2%	312	13	4%	315	13	4%	13	14	1
L28	Link	Chapel Gate	5	0	0%	6	0	0%	9	0	0%	6	0	0%	97	0	0%	119	0	0%	122	0	0%	5	5	0
L29	Link	Dog Drove North	1	0	0%	5	0	0%	7	0	0%	3	0	0%	79	0	0%	87	0	0%	88	0	0%	4	4	0
L30	Link	Holbeach Drove Gate	238	4	2%	298	0	0%	386	1	0%	172	4	2%	3,218	5	0%	3,949	13	0%	4,148	13	0%	173	173	1
L31	Link	B1166 Long Lane	91	86	95%	196	0	0%	202	8	4%	93	86	93%	1,737	64	4%	2,132	236	11%	2,389	236	10%	100	109	10
L32	Link	Langary Gate Road	1	86	13624%	9	0	0%	9	8	92%	4	86	2039%	85	64	75%	97	236	243%	97	236	243%	4	14	10
L33	Link	A16 Crowland Bypass (East of Crowland)	1,340	115	9%	1,552	0	0%	1,937	15	1%	830	115	14%	18,851	120	1%	23,211	351	2%	26,286	351	1%	1,095	1,110	15
L34	Link	A16 (South of Crowland)	1,180	88	7%	1,695	0	0%	1,748	15	1%	972	88	9%	18,110	120	1%	22,298	296	1%	23,829	296	1%	993	1,005	12
L35	Link	A16 (North of Peterborough)	1,173	88	7%	1,771	0	0%	1,973	15	1%	869	88	10%	17,861	120	1%	21,439	296	1%	22,700	296	1%	946	958	12
J1	Junction	A16 / A151 Roundabout	1,739	121	7%	2,939	0	0%	3,271	18	1%	1,563	121	8%	32,132	141	0%	39,207	383	1%	44,014	383	1%	1,834	1,850	16
J2	Junction	A151 / High Road Roundabout	715	65	9%	1,382	0	0%	1,520	5	0%	715	65	9%	15,682	42	0%	18,541	173	1%	20,489	173	1%	854	861	7
J3	Junction	A151 / High Road / Stone Gate Junction	671	22	3%	1,236	0	0%	1,328	1	0%	625	22	4%	13,934	11	0%	16,475	55	0%	18,206	55	0%	759	761	2
J4	Junction	A16 / B1165 Low Road Roundabout	1,276	109	9%	2,158	0	0%	2,377	15	1%	1,063	109	10%	22,868	120	1%	27,904	339	1%	31,325	339	1%	1,305	1,319	14
J5	Junction	A16 / A1175 Roundabout	1,162	140	12%	1,934	0	0%	2,251	13	1%	1,085	140	13%	21,601	107	0%	26,358	388	1%	29,590	388	1%	1,233	1,249	16
J6	Junction	B1168 Raven's Gate / B1165 Raven's Bank	355	21	6%	607	0	0%	754	0	0%	277	21	8%	5,904	0	0%	7,246	42	1%	8,122	42	1%	338	340	2
J7	Junction	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	1,330	141	11%	1,793	0	0%	2,128	13	1%	969	141	15%	21,084	107	1%	25,726	389	2%	28,880	389	1%	1,203	1,220	16
J8	Junction	Barrier Bank / Queen's Bank / Wash Bank Junction	88	0	0%	188	0	0%	206	0	0%	87	0	0%	1,918	0	0%	2,167	0	0%	2,212	0	0%	92	92	0
J9	Junction	B1166 Postland Road / James Road Junction	212	0	0%	572	0	0%	482	0	0%	216	0	0%	4,908	0	0%	5,644	0	0%	5,781	0	0%	241	241	0
J10	Junction	B1166 Spalding Road / B1166 James Road / James Road Junction	164	85	52%	460	0	0%	376	2	1%	161	85	53%	3,942	19	0%	4,471	190	4%	4,566	190	4%	190	198	8
J11	Junction	A16 Crowland Bypass / James Road / Hull's Drove Junction	1,454	193	13%	1,827	0	0%	2,187	21	1%	966	193	20%	21,537	171	1%	26,518	557	2%	30,031	557	2%	1,251	1,275	23
J12	Junction	Martins Road / B1166 Hull's Drove Junction	262	131	50%	412	0	0%	485	13	3%	201	131	65%	4,083	101	2%	5,010	364	7%	5,616	364	6%	234	249	15
J13	Junction	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	292	90	31%	446	0	0%	542	9	2%	214	90	42%	4,400	68	2%	5,400	249	5%	6,053	249	4%	252	263	10
J14	Junction	Langary Gate Road / B1166 Mill Lane / B1166 Long Lane Junction	80	86	108%	179	0	0%	187	8	4%	90	86	96%	1,671	64	4%	2,051	236	12%	2,299	236	10%	96	106	10
J15	Junction	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	1,281	115	9%	1,675	0	0%	1,896	15	1%	788	115	15%	17,965	120	1%	21,503	351	2%	22,944	351	2%	956	971	15
J16	Junction	A16 / B1443 Thorney Road Roundabout	1,326	88	7%	2,333	0	0%	2,432	15	1%	1,005	88	9%	21,785	120	1%	25,862	296	1%	27,219	296	1%	1,134	1,146	12

HGV Traffic Flows - Future Baseline vs. Development

Ref	Receptor Type	Receptor Name	AM Construction Peak (06:00-07:00)			AM Network Peak (08:00-09:00)			PM Network Peak (16:00-17:00)			PM Construction Peak (19:00-20:00)			12 Hour Weekday (07:00-19:00)			18 Hour Weekday (06:00-00:00)			24 Hour Daily			Average Hourly Traffic Flow		
			AM Con Base	AM Con Dev	AM Con % Change	AM Net Base	AM Net Dev	AM Net % Change	PM Net Base	PM Net Dev	PM Net % Change	PM Con Base	PM Con Dev	PM Con % Change	12hr Base	12hr Dev	12hr % Change	18hr Base	18hr Dev	18hr % Change	24hr Base	24hr Dev	24hr % Change	Base Avg Hr Flow	Base+Dev Avg Hr Flow	Average Hourly Traffic Flow Increase
L1	Link	A16 Spalding Bypass (North-East of Spalding)	201	12	6%	244	0	0%	244	15	6%	80	12	15%	2,976	120	4%	3,606	144	4%	4,297	144	3%	179	185	6
L2	Link	Cross Gate	0	0	0%	2	0	0%	2	0	0%	0	0	0%	18	0	0%	19	0	0%	19	0	0%	1	1	0
L3	Link	A151 Holbeach Road	62	2	4%	94	0	0%	94	5	6%	33	2	7%	1,110	42	4%	1,293	47	4%	1,388	47	3%	58	60	2
L4	Link	A151 Weston Bypass	67	1	2%	101	0	0%	101	4	4%	26	1	6%	1,039	30	3%	1,210	33	3%	1,343	33	2%	56	57	1
L5	Link	A151 High Road	69	1	1%	101	0	0%	101	1	1%	22	1	3%	1,012	11	1%	1,178	12	1%	1,308	12	1%	54	55	0
L6	Link	Stone Gate	1	0	0%	1	0	0%	1	0	0%	0	0	0%	16	0	0%	17	0	0%	17	0	0%	1	1	0
L7	Link	A16 Spalding Bypass (East of Spalding)	186	12	6%	215	0	0%	215	15	7%	72	12	17%	2,638	120	5%	3,196	144	5%	3,810	144	4%	159	165	6
L8	Link	Broadgate	0	0	0%	2	0	0%	2	0	0%	0	0	0%	32	0	0%	33	0	0%	34	0	0%	1	1	0
L9	Link	Delgate Bank (North)	0	0	0%	1	0	0%	1	0	0%	0	0	0%	7	0	0%	7	0	0%	7	0	0%	0	0	0
L10	Link	Long Lane	3	0	0%	6	0	0%	6	0	0%	2	0	0%	75	0	0%	83	0	0%	85	0	0%	4	4	0
L11	Link	B1165 Austendike Road	8	1	12%	18	0	0%	18	2	9%	3	1	32%	198	14	7%	213	15	7%	216	15	7%	9	10	1
L12	Link	Delgate Bank (Central)	1	0	0%	2	0	0%	2	0	0%	0	0	0%	12	0	0%	14	0	0%	14	0	0%	1	1	0
L13	Link	West Gate	1	0	0%	1	0	0%	1	0	0%	0	0	0%	14	0	0%	15	0	0%	16	0	0%	1	1	0
L14	Link	A16 Spalding Bypass (South-East of Spalding)	170	11	6%	203	0	0%	203	13	7%	61	11	18%	2,384	107	4%	2,888	129	4%	3,442	129	4%	143	149	5
L15	Link	A16 Cowbit Road	145	11	8%	184	0	0%	184	13	7%	55	11	20%	2,172	107	5%	2,632	129	5%	3,137	129	4%	131	136	5
L16	Link	B1357 Moulton Chapel Road	13	0	0%	24	0	0%	24	0	0%	7	0	0%	285	0	0%	316	0	0%	337	0	0%	14	14	0
L17	Link	Delgate Bank (South)	1	0	0%	1	0	0%	1	0	0%	0	0	0%	5	0	0%	7	0	0%	7	0	0%	0	0	0
L18	Link	A16 Crowland Bypass (Near Crowland Airfield)	157	12	8%	183	0	0%	183	15	8%	68	12	17%	2,114	120	6%	2,562	144	6%	3,009	144	5%	125	131	6
L19	Link	Queen's Bank	0	0	0%	0	0	0%	0	0	0%	1	0	0%	16	0	0%	18	0	0%	18	0	0%	1	1	0
L20	Link	Cloot Drove	0	0	0%	0	0	0%	0	0	0%	0	0	0%	3	0	0%	3	0	0%	3	0	0%	0	0	0
L21	Link	Barrier Bank	8	10	128%	12	0	0%	12	2	20%	4	10	242%	119	19	16%	135	40	30%	137	40	29%	6	7	2
L22	Link	James Road	6	10	162%	21	0	0%	21	2	12%	1	10	969%	122	19	16%	148	40	27%	173	40	23%	7	9	2
L23	Link	Hull's Drove (West)	7	15	209%	27	0	0%	27	13	46%	3	15	487%	230	101	44%	279	132	47%	327	132	40%	14	19	6
L24	Link	Martins Road	1	15	2361%	0	0	0%	0	12	2874%	0	15	3533%	14	97	693%	15	127	831%	16	127	787%	1	6	5
L25	Link	Hull's Drove (East)	8	11	126%	22	0	0%	22	9	39%	3	11	336%	187	68	37%	216	90	42%	229	90	39%	10	13	4
L26	Link	Eaugate Road	0	0	117%	4	0	0%	4	1	13%	0	0	234%	32	5	14%	33	6	17%	33	6	17%	1	2	0
L27	Link	Chapel Hill	1	0	78%	0	0	0%	0	1	136%	0	0	234%	36	5	13%	37	6	15%	38	6	15%	2	2	0
L28	Link	Chapel Gate	0	0	0%	0	0	0%	0	0	0%	0	0	0%	6	0	0%	6	0	0%	7	0	0%	0	0	0
L29	Link	Dog Drove North	0	0	0%	0	0	0%	0	0	0%	0	0	0%	9	0	0%	9	0	0%	9	0	0%	0	0	0
L30	Link	Holbeach Drove Gate	11	0	4%	16	0	0%	16	1	4%	6	0	8%	205	5	2%	236	6	2%	247	6	2%	10	11	0
L31	Link	B1166 Long Lane	2	10	482%	14	0	0%	14	8	58%	0	10	1016%	99	64	64%	114	84	74%	121	84	69%	5	9	4
L32	Link	Langary Gate Road	0	10	1016%	0	0	0%	0	8	796%	0	10	4808%	5	64	1203%	6	84	1525%	6	84	1468%	0	4	4
L33	Link	A16 Crowland Bypass (East of Crowland)	151	12	8%	187	0	0%	187	15	8%	55	12	22%	2,261	120	5%	2,743	144	5%	3,220	144	4%	134	140	6
L34	Link	A16 (South of Crowland)	173	12	7%	179	0	0%	179	15	8%	72	12	16%	2,238	120	5%	2,715	144	5%	3,155	144	5%	131	137	6
L35	Link	A16 (North of Peterborough)	160	12	7%	141	0	0%	141	15	11%	67	12	18%	2,051	120	6%	2,484	144	6%	2,862	144	5%	119	125	6
J1	Junction	A16 / A151 Roundabout	240	13	5%	300	0	0%	300	18	6%	99	13	13%	3,644	141	4%	4,415	168	4%	5,262	168	3%	219	226	7
J2	Junction	A151 / High Road Roundabout	71	2	3%	106	0	0%	106	5	5%	30	2	8%	1,199	42	4%	1,397	47	3%	1,550	47	3%	65	67	2
J3	Junction	A151 / High Road / Stone Gate Junction	70	1	1%	103	0	0%	103	1	1%	28	1	2%	1,074	11	1%	1,251	12	1%	1,388	12	1%	58	58	0
J4	Junction	A16 / B1165 Low Road Roundabout	190	12	6%	227	0	0%	227	15	7%	76	12	16%	2,780	120	4%	3,368	144	4%	4,014	144	4%	167	173	6
J5	Junction	A16 / A1175 Roundabout	182	11	6%	226	0	0%	226	13	6%	62	11	16%	2,611	107	4%	3,164	129	4%	3,770	129	3%	157	162	5
J6	Junction	B1168 Raven's Gate / B1165 Raven's Bank	7	0	0%	21	0	0%	21	0	0%	3	0	0%	246	0	0%	283	0	0%	300	0	0%	13	13	0
J7	Junction	A16 / B1357 Moulton Chapel Road / B1357 Stonegate Roundabout	158	11	7%	200	0	0%	200	13	7%	55	11	20%	2,314	107	5%	2,804	129	5%	3,341	129	4%	139	145	5
J8	Junction	Barrier Bank / Queen's Bank / Wash Bank Junction	3	0	0%	10	0	0%	10	0	0%	2	0	0%	122	0	0%	129	0	0%	130	0	0%	5	5	0
J9	Junction	B1166 Postland Road / James Road Junction	8	0	0%	24	0	0%	24	0	0%	2	0	0%	180	0	0%	192	0	0%	194	0	0%	8	8	0
J10	Junction	B1166 Spalding Road / B1166 James Road / James Road Junction	7	10	138%	31	0	0%	31	2	8%	2	10	483%	212	19	9%	222	40	18%	224	40	18%	9	11	2
J11	Junction	A16 Crowland Bypass / James Road / Hull's Drove Junction	158	20	12%	213	0	0%	213	21	10%	56	20	35%	2,420	171	7%	2,937	210	7%	3,446	210	6%	144	152	9
J12	Junction	Martins Road / B1166 Hull's Drove Junction	9	15	163%	22	0	0%	22	13	57%	3	15	487%	191	101	53%	220	132	60%	233	132	57%	10	15	6
J13	Junction	B1168 Holbeach Drove Gate / B1166 Drove Road Junction	8	11	126%	20	0	0%	20	9	43%	3	11	336%	183	68	37%	211	90	42%	224	90	40%	9	13	4
J14	Junction	Langary Gate Road / B1166 Mill Lane / B1166 Long Lane Junction	2	10	482%	14	0	0%	14	8	58%	0	10	1016%	92	64	69%	106	84	79%	112	84	75%	5	8	4
J15	Junction	A16 Crowland Bypass / B1040 Nene Terrance Road / B1040 Thorney Road South Junction	156	12	8%	158	0	0%	158	15	10%	70	12	17%	2,132	120	6%	2,561	144	6%	2,945	144	5%	123	129	6
J16	Junction	A16 / B1443 Thorney Road Roundabout	171	12	7%	155	0	0%	155	15	10%	67	12	18%	2,158	120	6%	2,605	144	6%	2,989	144	5%	125	131	6