



# Triton Knoll Offshore Wind Farm Limited Triton Knoll Electrical System

---

**Appendix 45: Classified peak  
hour, off-peak and AADT traffic  
data**

**Date: October 2015**

**Appendix 45 of the Applicant's  
Response to Deadline 1**

Reference	Description	Year	Growth	Survey Year								Forecast Do-Nothing 2017							
				AADT		AM Peak (08:00-09:00)		Off Peak (12:00-13:00)		PM Peak (17:00-18:00)		AADT		AM Peak (08:00-09:00)		Off Peak (12:00-13:00)		PM Peak (17:00-18:00)	
				All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs
AA	A1028: between A1104 and A158	2012	1.0481	5,402	388	400	41	294	23	340	5	5,662	407	419	43	308	24	356	5
AB	A1104: east of A1028 towards Alford	2012	1.0481	8,269	518	631	43	442	34	563	18	8,667	543	661	45	463	36	590	19
AC	A158: between Horncastle and B1195	2012	1.0481	7,456	401	558	28	413	25	497	13	7,815	420	585	29	433	26	521	14
AD	A158: between B1195 and A16	2011	1.0592	5,060	377	342	38	295	26	320	13	5,360	399	362	40	312	28	339	14
AE	A158: between A16 and A1028	2011	1.0592	7,654	443	563	41	442	37	531	22	8,022	464	590	43	463	39	557	23
AF	A158: between A1028 and Lincoln Road	2012	1.0481	11,734	370	878	25	650	23	783	12	12,298	388	920	27	681	24	820	13
AG	A158: between Lincoln Road and A52	2012	1.0481	9,784	119	732	8	542	7	653	4	10,255	125	767	9	568	8	684	4
AH	Marsh Lane	2014	1.0266	4,186	495	196	32	321	39	253	20	4,297	508	201	33	330	40	260	21
AI	A16: north of the A1104 towards Burwell	2012	1.0481	9,046	863	698	57	526	57	614	21	9,481	905	732	60	551	60	644	22
AJ	A16: between A1028 and A158	2011	1.0592	5,925	705	483	45	336	48	412	22	6,276	747	512	48	356	51	436	23
AK	A16: between A158 and B1195	2011	1.0592	9,460	857	779	62	531	59	670	32	10,020	908	825	66	562	62	710	34
AL	A16: between B1195 and A155	2012	1.0481	9,369	615	701	42	519	39	625	20	9,820	645	735	44	544	40	655	21
AM	A16: between A155 and A52	2012	1.0481	6,017	567	450	39	333	36	401	19	6,306	594	472	41	349	37	421	19
AN	A16: Boston Ring Road	2012	1.0481	34,071	1,920	2549	132	1888	120	2273	63	35,710	2,012	2,671	138	1,978	126	2,382	66
AO	A16: between Shirbeck Quarter and A17	2012	1.0481	15,159	1220	1134	84	840	76	1011	40	15,888	1,279	1,188	88	880	80	1,060	42
AP	A52: N of Marsh Lane towards Hogsthorpe	2012	1.0481	3,687	140	276	10	204	9	246	5	3,864	147	289	10	214	9	258	5
AQ	A52: between Marsh Lane and A158	2012	1.0481	12,453	200	931	14	690	13	831	7	13,052	210	976	14	723	13	871	7
AR	A52: between A158 and B1195	2012	1.0481	11,207	256	838	18	621	16	748	8	11,746	268	879	18	651	17	783	9
AS	A52: between B1195 and A16	2012	1.0481	7,722	603	578	41	428	38	515	20	8,093	632	605	43	448	40	540	21
AT	A52: between A1121 and A16	2012	1.0481	17,755	904	1328	62	984	57	1184	30	18,609	947	1,392	65	1,031	59	1,241	31
AU	A52: between A1121 and A17	2012	1.0481	6,941	781	519	54	385	49	463	26	7,275	819	544	56	403	51	485	27
AV	A52: west of the A17 towards Donington	2012	1.0481	8,547	931	639	64	474	58	570	31	8,958	976	670	67	496	61	598	32
AW	B1195: between A16 and A52	2014	1.0266	1,487	183	172	23	112	19	130	11	1,527	188	177	24	115	20	133	11
AX	A153: between A158 and B1183	2012	1.0481	9,984	646	747	44	553	41	666	21	10,464	677	783	46	580	42	698	22
AY	A153: between B1183 and A155	2012	1.0481	4,596	374	344	26	255	23	307	12	4,817	392	360	27	267	25	321	13
AZ	A153: between A155 and B1192	2012	1.0481	7,874	521	589	36	436	33	525	17	8,253	546	617	37	457	34	550	18
BA	A153: between B1192 S and B1192 N	2012	1.0481	10,836	455	811	31	600	29	723	15	11,357	477	850	33	629	30	758	16
BB	A155: between A153 and B1183	2012	1.0481	3,001	190	224	13	166	12	200	6	3,145	199	235	14	174	12	210	7
BC	A155: between B1183 and A16	2012	1.0481	2,437	184	182	13	135	12	163	6	2,554	193	191	13	142	12	170	6
BD	A158: west of A153 towards Wragby	2012	1.0481	7,744	454	579	31	429	28	517	15	8,116	476	607	33	450	30	541	16
BE	B1192: between A153 and B1184	2013	1.0372	5,977	532	399	47	317	43	395	23	6,199	552	414	49	329	45	410	24
BF	B1192: between B1184 and A1121	2013	1.0372	7,684	684	534	47	397	52	540	26	7,970	709	554	49	412	54	560	27
BG	B1184: between B1192 and B1183	2013	1.0372	2,851	205	215	15	138	9	219	9	2,957	213	223	16	143	9	227	9
BH	B1184: between B1183 and A16	2014	1.0266	1,815	288	226	41	136	29	189	29	1,863	296	232	42	140	30	194	30
BI	B1183: between B1184 and A1137	2014	1.0266	3,392	475	428	57	247	43	337	34	3,482	488	439	59	254	44	346	35
BK	A1121: between A17 and A52	2010	1.0663	9,542	939	664	70	477	47	667	38	10,175	1,001	708	75	509	50	711	41
BL	A17: west of A1121 towards Heckington	2010	1.0663	20,470	3128	1429	215	1199	201	1522	147	21,827	3,335	1,524	229	1,278	214	1,623	157
BM	A17: between A1121 and A52	2010	1.0663	12,852	2,539	849	165	798	162	987	117	13,470	2,661	890	173	836	170	1,034	123
BN	A17: between A52 and A16	2012	1.0481	12,487	2,516	934	173	692	158	833	83	13,088	2,637	979	181	725	165	873	86
BO	A1111: between Alford and A52	2012	1.0481	1,957	39	146	3	108	2	131	1	2,051	41	153	3	114	3	137	1
BP	A52: between A1104 and B1449	2012	1.0481	5,562	222	416	15	308	14	371	7	5,830	233	436	16	323	15	389	8
BQ	B1449: between A1111 and A52	2014	1.0266	2,099	285	129	22	166	21	158	13	2,155	293	132	23	170	22	162	13
BR	Sea Road: between A52 and Roman Bank	2014	1.0266	910	102	41	6	77	8	68	6	934	105	42	6	79	8	70	6
BS	Roman Bank: bet. Sea Road and Sea Lane	2014	1.0266	1,120	87	44	3	110	9	80	5	1,150	89	45	3	113	9	82	5

Reference	Description	Forecast Do-Minimum 2017								Cumulative Do-Something 2017							
		AADT		AM Peak (08:00-09:00)		Off Peak (12:00-13:00)		PM Peak (17:00-18:00)		AADT		AM Peak (08:00-09:00)		Off Peak (12:00-13:00)		PM Peak (17:00-18:00)	
		All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs
AA	A1028: between A1104 and A158	5,697	420	424	45	310	26	359	5	5,827	444	433	46	317	27	368	6
AB	A1104: east of A1028 towards Alford	8,906	663	691	60	478	51	605	19	8,906	663	691	60	478	51	605	19
AC	A158: between Horncastle and B1195	8,088	597	619	51	455	48	533	14	8,153	621	624	53	459	50	538	15
AD	A158: between B1195 and A16	5,633	576	396	62	335	50	351	14	5,698	600	401	64	338	51	355	15
AE	A158: between A16 and A1028	8,250	564	619	55	476	51	573	23	8,380	588	628	57	483	53	581	24
AF	A158: between A1028 and Lincoln Road	12,497	501	945	41	695	38	831	13	12,690	501	959	41	706	38	844	13
AG	A158: between Lincoln Road and A52	10,269	125	769	9	568	8	686	4	10,545	125	789	9	583	8	704	4
AH	Marsh Lane	4,361	508	209	33	330	40	268	21	4,449	556	216	36	334	43	274	22
AI	A16: north of the A1104 towards Burwell	9,732	1,002	763	72	563	72	663	22	9,931	1,056	778	76	574	75	676	24
AJ	A16: between A1028 and A158	6,677	927	562	70	378	73	464	23	6,745	957	567	72	382	75	469	24
AK	A16: between A158 and B1195	10,536	1,068	890	86	582	83	754	34	10,669	1,098	900	88	590	84	763	35
AL	A16: between B1195 and A155	10,313	805	796	64	564	60	697	21	10,440	835	806	66	571	62	705	22
AM	A16: between A155 and A52	6,761	745	528	60	368	56	459	19	6,855	775	536	62	373	58	465	20
AN	A16: Boston Ring Road	36,083	2,053	2,718	143	1,983	131	2,423	66	36,083	2,053	2,718	143	1,983	131	2,423	66
AO	A16: between Shirbeck Quarter and A17	16,129	1,279	1,219	88	880	80	1,090	42	16,129	1,279	1,219	88	880	80	1,090	42
AP	A52: N of Marsh Lane towards Hogsthorpe	4,004	195	306	16	220	15	269	5	4,004	195	306	16	220	15	269	5
AQ	A52: between Marsh Lane and A158	13,062	210	978	14	723	13	872	7	13,082	210	979	14	724	13	873	7
AR	A52: between A158 and B1195	11,776	268	882	18	651	17	787	9	11,776	268	882	18	651	17	787	9
AS	A52: between B1195 and A16	8,178	632	616	43	448	40	550	21	8,178	632	616	43	448	40	550	21
AT	A52: between A1121 and A16	18,698	988	1,403	70	1,036	65	1,247	31	18,720	992	1,405	70	1,037	65	1,249	31
AU	A52: between A1121 and A17	7,383	819	558	56	403	51	499	27	7,389	823	558	56	403	52	499	27
AV	A52: west of the A17 towards Donington	9,019	976	678	67	496	61	605	32	9,019	976	678	67	496	61	605	32
AW	B1195: between A16 and A52	1,658	260	193	33	124	29	141	11	1,741	260	199	33	129	29	146	11
AX	A153: between A158 and B1183	10,512	677	789	46	580	42	704	22	10,512	677	789	46	580	42	704	22
AY	A153: between B1183 and A155	4,865	392	366	27	267	25	327	13	4,865	392	366	27	267	25	327	13
AZ	A153: between A155 and B1192	8,512	728	650	60	480	57	560	18	8,512	728	650	60	480	57	560	18
BA	A153: between B1192 S and B1192 N	11,569	659	876	55	652	53	761	16	11,569	659	876	55	652	53	761	16
BB	A155: between A153 and B1183	3,357	381	262	36	197	35	214	7	3,357	381	262	36	197	35	214	7
BC	A155: between B1183 and A16	2,766	375	218	36	164	35	174	6	2,839	381	223	36	168	35	179	7
BD	A158: west of A153 towards Wragby	8,410	653	644	55	472	52	556	16	8,458	677	647	56	474	53	559	16
BE	B1192: between A153 and B1184	6,247	552	420	49	329	45	416	24	6,247	552	420	49	329	45	416	24
BF	B1192: between B1184 and A1121	8,297	839	595	65	428	70	585	27	8,297	839	595	65	428	70	585	27
BG	B1184: between B1192 and B1183	3,177	266	251	22	150	16	248	9	3,177	266	251	22	150	16	248	9
BH	B1184: between B1183 and A16	2,024	310	252	44	141	32	212	30	2,024	310	252	44	141	32	212	30
BI	B1183: between B1184 and A1137	3,536	488	446	59	254	44	353	35	3,536	488	446	59	254	44	353	35
BK	A1121: between A17 and A52	10,474	1,172	745	96	530	71	727	41	10,490	1,172	747	96	531	71	728	41
BL	A17: west of A1121 towards Heckington	22,331	3,736	1,587	279	1,329	264	1,636	157	22,383	3,786	1,591	283	1,331	268	1,639	158
BM	A17: between A1121 and A52	13,597	2,661	906	173	836	170	1,050	123	13,603	2,681	906	174	837	171	1,051	123
BN	A17: between A52 and A16	13,262	2,637	1,001	181	725	165	895	86	13,270	2,637	1,001	181	725	165	895	86
BO	A1111: between Alford and A52	2,070	41	156	3	114	3	139	1	2,070	41	156	3	114	3	139	1
BP	A52: between A1104 and B1449	5,833	233	437	16	323	15	389	8	5,833	233	437	16	323	15	389	8
BQ	B1449: between A1111 and A52	2,376	413	160	38	185	37	175	13	2,376	413	160	38	185	37	175	13
BR	Sea Road: between A52 and Roman Bank	1,030	177	54	15	88	17	73	6	1,030	177	54	15	88	17	73	6
BS	Roman Bank: bet. Sea Road and Sea Lane	1,246	161	57	12	122	18	85	5	1,246	161	57	12	122	18	85	5

Reference	Description	Cumulative Impact								Cumulative Impact (Proportions)							
		AADT		AM Peak (08:00-09:00)		Off Peak (12:00-13:00)		PM Peak (17:00-18:00)		AADT		AM Peak (08:00-09:00)		Off Peak (12:00-13:00)		PM Peak (17:00-18:00)	
		All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs	All Vehs	HGVs
AA	A1028: between A1104 and A158	165	38	14	3	9	3	11	1	3%	9%	3%	8%	3%	13%	3%	15%
AB	A1104: east of A1028 towards Alford	240	120	30	15	15	15	15	0	3%	22%	5%	33%	3%	42%	3%	0%
AC	A158: between Horncastle and B1195	339	201	39	24	26	24	16	1	4%	48%	7%	82%	6%	90%	3%	6%
AD	A158: between B1195 and A16	339	201	39	24	26	24	16	1	6%	50%	11%	59%	8%	86%	5%	6%
AE	A158: between A16 and A1028	358	124	38	14	20	14	25	1	4%	27%	6%	33%	4%	36%	4%	3%
AF	A158: between A1028 and Lincoln Road	392	113	39	14	25	14	24	0	3%	29%	4%	53%	4%	58%	3%	0%
AG	A158: between Lincoln Road and A52	290	0	22	0	15	0	20	0	3%	0%	3%	0%	3%	0%	3%	0%
AH	Marsh Lane	151	48	15	3	5	3	14	2	4%	9%	7%	10%	1%	8%	5%	8%
AI	A16: north of the A1104 towards Burwell	449	152	46	16	23	16	32	2	5%	17%	6%	27%	4%	26%	5%	8%
AJ	A16: between A1028 and A158	470	210	55	25	26	24	32	1	7%	28%	11%	52%	7%	48%	7%	4%
AK	A16: between A158 and B1195	649	190	74	22	27	22	53	1	6%	21%	9%	34%	5%	35%	8%	3%
AL	A16: between B1195 and A155	620	190	71	22	27	22	50	1	6%	30%	10%	50%	5%	54%	8%	5%
AM	A16: between A155 and A52	548	181	64	21	24	21	44	1	9%	30%	14%	51%	7%	56%	10%	5%
AN	A16: Boston Ring Road	374	41	47	5	5	5	42	0	1%	2%	2%	4%	0%	4%	2%	0%
AO	A16: between Shirbeck Quarter and A17	241	0	30	0	0	0	30	0	2%	0%	3%	0%	0%	0%	3%	0%
AP	A52: N of Marsh Lane towards Hogsthorpe	139	48	17	6	6	6	11	0	4%	33%	6%	60%	3%	65%	4%	0%
AQ	A52: between Marsh Lane and A158	30	0	3	0	1	0	3	0	0%	0%	0%	0%	0%	0%	0%	0%
AR	A52: between A158 and B1195	30	0	4	0	0	0	4	0	0%	0%	0%	0%	0%	0%	0%	0%
AS	A52: between B1195 and A16	85	0	11	0	0	0	11	0	1%	0%	2%	0%	0%	0%	2%	0%
AT	A52: between A1121 and A16	111	45	13	5	6	5	7	0	1%	5%	1%	8%	1%	9%	1%	0%
AU	A52: between A1121 and A17	114	4	14	0	0	0	14	0	2%	0%	3%	0%	0%	0%	3%	0%
AV	A52: west of the A17 towards Donington	60	0	8	0	0	0	8	0	1%	0%	1%	0%	0%	0%	1%	0%
AW	B1195: between A16 and A52	215	72	23	9	14	9	13	0	14%	38%	13%	38%	12%	46%	10%	0%
AX	A153: between A158 and B1183	47	0	6	0	0	0	6	0	0%	0%	1%	0%	0%	0%	1%	0%
AY	A153: between B1183 and A155	47	0	6	0	0	0	6	0	1%	0%	2%	0%	0%	0%	2%	0%
AZ	A153: between A155 and B1192	259	182	32	23	23	23	10	0	3%	33%	5%	61%	5%	66%	2%	0%
BA	A153: between B1192 S and B1192 N	212	182	26	23	23	23	4	0	2%	38%	3%	70%	4%	76%	0%	0%
BB	A155: between A153 and B1183	212	182	26	23	23	23	4	0	7%	91%	11%	167%	13%	182%	2%	0%
BC	A155: between B1183 and A16	285	188	32	23	27	23	9	0	11%	97%	17%	175%	19%	191%	5%	3%
BD	A158: west of A153 towards Wragby	342	201	40	24	25	24	18	1	4%	42%	7%	73%	6%	79%	3%	5%
BE	B1192: between A153 and B1184	47	0	6	0	0	0	6	0	1%	0%	1%	0%	0%	0%	1%	0%
BF	B1192: between B1184 and A1121	327	130	41	16	16	16	25	0	4%	18%	7%	33%	4%	30%	4%	0%
BG	B1184: between B1192 and B1183	220	53	28	7	7	7	21	0	7%	25%	12%	42%	5%	71%	9%	0%
BH	B1184: between B1183 and A16	161	14	20	2	2	2	18	0	9%	5%	9%	4%	1%	6%	9%	0%
BI	B1183: between B1184 and A1137	53	0	7	0	0	0	7	0	2%	0%	2%	0%	0%	0%	2%	0%
BK	A1121: between A17 and A52	315	170	39	21	22	21	17	0	3%	17%	5%	29%	4%	43%	2%	0%
BL	A17: west of A1121 towards Heckington	556	451	67	54	53	53	16	2	3%	14%	4%	23%	4%	25%	1%	1%
BM	A17: between A1121 and A52	133	20	16	1	0	1	16	1	1%	1%	2%	1%	0%	1%	2%	1%
BN	A17: between A52 and A16	182	0	22	0	0	0	22	0	1%	0%	2%	0%	0%	0%	3%	0%
BO	A1111: between Alford and A52	19	0	2	0	0	0	2	0	1%	0%	2%	0%	0%	0%	2%	0%
BP	A52: between A1104 and B1449	4	0	0	0	0	0	0	0	0%	0%	0%	0%	0%	0%	0%	0%
BQ	B1449: between A1111 and A52	221	120	28	15	15	15	13	0	10%	41%	21%	66%	9%	70%	8%	0%
BR	Sea Road: between A52 and Roman Bank	96	72	12	9	9	9	3	0	10%	69%	29%	146%	11%	110%	4%	0%
BS	Roman Bank: bet. Sea Road and Sea Lane	96	72	12	9	9	9	3	0	8%	81%	27%	292%	8%	97%	4%	0%