

A303 Sparkford to Ilchester Dualling Scheme TR010036

6.3 Environmental Statement Appendix 5.1 SATURN Traffic Data

APFP Regulation 5(2)(a)
Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009
July 2018

Volume 6.0



Infrastructure Planning

Planning Act 2008

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

**A303 Sparkford to Ilchester Dualling
Scheme**

Development Consent Order 201[X]

**6.3 Environmental Statement
Appendix 5.1 SATURN Traffic Data**

Regulation Number:	Regulation 5(2)(a)
Planning Inspectorate Scheme Reference:	TR010036
Application Document Reference:	6.3
Author:	A303 Sparkford to Ilchester Dualling Scheme Project Team, Highways England

Version	Date	Status of Version
Rev 0	July 2018	Application Issue

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1 SATURN Traffic Data

- 1.1.1 Traffic data for the affected road network used to inform the air quality assessment contained within Chapter 5 Air Quality (Volume 6.1), is contained within Table A.1 below.

Table A.1: Traffic data for the affected road network

Figure ID	Link ID	Base 2016								Do-Minimum 2023				Do-Something 2023					
		Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band
1	68722-61131	24020	2272	FF	FF	FF	FF	29792	2384	FF	FF	FF	FF	1268	33	HS	HS	HS	HS
2	68715-61130	23014	2228	FF	FF	FF	FF	28626	2339	FF	LC	FF	LC	0	0	-	-	-	-
3	61130-68721	1005	44	HC	HC	HC	HC	1167	45	HC	HC	HC	HC	0	0	-	-	-	-
4	68715-68721	798	47	HC	HC	HC	HC	905	47	HC	HC	HC	HC	0	0	-	-	-	-
5	61131-61130	24020	2272	FF	FF	FF	FF	29792	2384	FF	FF	FF	FF	0	0	-	-	-	-
6	68722-68723	922	0	FF	FF	LC	LC	657	0	FF	FF	LC	FF	863	0	LC	LC	FF	LC
7	68722-68724	23098	2272	FF	FF	FF	FF	29135	2384	FF	FF	FF	FF	0	0	-	-	-	-
8	68724-68725	23098	2272	HS	HS	HS	HS	29135	2384	FF	FF	FF	FF	0	0	-	-	-	-
9	68725-68726	0	0	FF	FF	FF	FF	0	0	FF	FF	FF	FF	0	0	-	-	-	-
10	68725-68727	254	0	FF	LC	FF	LC	262	0	LC	LC	FF	LC	0	0	-	-	-	-
11	68725-68728	23352	2272	FF	HS	FF	FF	29397	2384	FF	FF	FF	FF	0	0	-	-	-	-
12	68728-68729	23352	2272	FF	FF	FF	FF	29397	2384	FF	FF	FF	FF	0	0	-	-	-	-
13	68729-68730	23352	2272	HS	HS	HS	HS	29397	2384	HS	HS	HS	HS	0	0	-	-	-	-
14	68733-68735	6710	268	FF	FF	FF	FF	8542	297	FF	FF	FF	FF	7498	274	FF	FF	FF	FF
15	68788-66419	441	7	FF	FF	FF	FF	465	7	FF	FF	FF	FF	478	7	FF	FF	FF	FF
16	68792-66418	24079	2385	HS	HS	HS	HS	30901	2446	HS	HS	HS	HS	33612	2495	HS	HS	HS	HS
17	60977-68795	32178	3000	HS	HS	HS	HS	39192	3089	HS	HS	HS	HS	41743	3132	HS	HS	HS	HS
18	66407-60974	35335	3369	HS	HS	HS	HS	47051	3441	HS	HS	HS	HS	49026	3483	HS	HS	HS	HS
19	61121-61123	8261	354	FF	FF	FF	FF	9013	377	FF	FF	FF	FF	8966	354	FF	FF	FF	FF
20	61114-66473	28152	2655	HS	HS	HS	HS	35638	2702	HS	HS	HS	HS	39001	2754	HS	HS	HS	HS

Figure ID	Link ID	Base 2016							Do-Minimum 2023					Do-Something 2023					
		Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band
21	68708-68709	5225	370	FF	FF	FF	HS	5661	366	FF	FF	FF	FF	5252	367	FF	FF	FF	FF
22	68709-66394	1510	57	FF	FF	FF	FF	1913	56	FF	FF	FF	FF	1517	57	FF	FF	FF	FF
23	68709-68710	423	0	FF	FF	FF	FF	437	0	FF	FF	FF	FF	435	0	FF	FF	FF	FF
24	68710-66475	983	0	FF	FF	HS	FF	1443	0	FF	FF	HS	FF	1287	0	FF	FF	FF	FF
25	68710-68713	561	0	FF	FF	FF	FF	1007	0	FF	FF	FF	FF	851	0	FF	FF	FF	FF
26	66477-61125	22232	2197	HS	HS	HS	HS	27747	2318	HS	HS	HS	HS	0	0	-	-	-	-
27	68721-68718	1804	92	HS	FF	HS	HS	2072	92	HS	FF	HS	HS	1809	93	FF	FF	FF	FF
28	66418-61111	24517	2392	HS	HS	HS	HS	31366	2453	HS	HS	HS	HS	34089	2502	HS	HS	HS	HS
29	68734-66384	4026	142	FF	FF	FF	FF	4742	146	FF	FF	LC	FF	5772	256	FF	FF	LC	FF
30	66384-68760	1790	72	LC	LC	LC	LC	2267	72	LC	LC	LC	LC	2312	72	LC	LC	LC	LC
31	66384-61134	3028	141	FF	LC	LC	FF	3551	145	FF	LC	LC	FF	5850	256	FF	LC	FF	FF
32	61133-61134	2534	167	LC	LC	LC	LC	2955	159	LC	LC	LC	LC	2577	204	LC	LC	LC	LC
33	61134-68784	5501	247	HS	HS	FF	HS	6445	242	HS	FF	FF	HS	6835	274	FF	FF	FF	HS
34	68811-61133	26038	2393	HS	HS	HS	HS	33220	2533	HS	HS	HS	HS	0	0	-	-	-	-
35	61133-66382	23565	2286	HS	HS	HS	HS	30326	2436	HS	HS	HS	HS	15943	1226	HS	HS	HS	HS
36	60953-65145	33924	2856	HS	HS	HS	HS	45908	2877	HS	HS	HS	HS	47356	2912	HS	HS	HS	HS
37	65145-60971	33924	2856	HS	HS	HS	HS	45908	2877	HS	HS	HS	HS	47356	2912	HS	HS	HS	HS
38	68714-68715	22233	2197	FF	FF	FF	FF	27747	2318	FF	FF	FF	FF	0	0	-	-	-	-
39	68735-68737	6710	268	LC	LC	LC	LC	8542	297	LC	LC	LC	LC	7498	274	LC	LC	LC	LC
40	68733-68732	6710	268	FF	FF	LC	FF	8542	297	LC	FF	LC	FF	7498	274	FF	FF	LC	FF
41	68732-68734	0	0	LC	LC	LC	LC	0	0	LC	LC	LC	LC	0	0	LC	LC	LC	LC

Figure ID	Link ID	Base 2016							Do-Minimum 2023					Do-Something 2023					
		Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band
42	68732-68805	6710	268	FF	FF	FF	FF	8542	297	FF	FF	FF	FF	7498	274	FF	FF	FF	FF
43	68805-68809	3335	140	FF	HS	FF	HS	4259	143	FF	HS	FF	HS	3468	122	FF	HS	FF	HS
44	68806-68807	15436	1261	HS	HS	HS	HS	19204	1340	HS	HS	HS	HS	0	0	-	-	-	-
45	68807-68730	12103	1126	LC	HC	HC	HC	14938	1201	LC	HC	HC	HC	0	0	-	-	-	-
46	68730-68808	11249	1146	LC	HC	HC	HC	14459	1183	LC	HC	HC	HC	0	0	-	-	-	-
47	68810-68811	14582	1281	LC	LC	LC	LC	18725	1322	LC	LC	LC	LC	0	0	-	-	-	-
48	68811-68812	745	27	LC	LC	LC	LC	924	26	LC	LC	LC	LC	1616	107	LC	LC	LC	LC
49	68812-68801	12947	1165	LC	LC	LC	LC	16344	1262	LC	LC	LC	LC	3954	211	LC	LC	LC	LC
50	68801-68803	12199	1136	HS	HS	HS	HS	15414	1233	HS	HS	HS	HS	2605	93	HS	HS	HS	HS
51	68803-68804	15477	1250	HS	HS	HS	HS	19227	1350	HS	HS	HS	HS	5849	213	HS	HS	HS	HS
52	68804-68805	3375	128	LC	LC	LC	LC	4283	153	LC	LC	LC	LC	4030	152	LC	LC	LC	LC
53	68804-68806	12101	1122	HS	HS	HS	HS	14944	1197	HS	HS	HS	HS	2602	92	HS	HS	HS	HS
54	68809-68806	3335	140	FF	HS	FF	HS	4259	143	FF	FF	FF	FF	3468	122	HS	HS	HS	HS
55	68808-68810	11249	1146	HC	HC	HC	HC	14459	1183	HC	HC	HC	HC	0	0	-	-	-	-
56	68807-68810	3333	135	LC	LC	LC	LC	4266	139	LC	LC	LC	LC	0	0	-	-	-	-
57	68801-68802	748	29	FF	FF	FF	FF	930	29	FF	FF	FF	FF	1873	135	FF	FF	FF	FF
58	68802-68803	3278	113	LC	LC	LC	LC	3813	117	LC	LC	LC	LC	3768	137	LC	LC	LC	LC
59	68802-68734	4026	142	LC	LC	LC	LC	4742	146	LC	LC	LC	LC	5772	256	LC	LC	LC	LC
60	61133-66382s	23424	2286	HS	HS	HS	HS	30187	2436	HS	HS	HS	HS	0	0	-	-	-	-
61	66382-61293	23442	2287	HS	HS	HS	HS	30233	2437	HS	HS	HS	HS	32859	2512	HS	HS	HS	HS
62	66387-68766	747	0	FF	FF	FF	FF	872	0	FF	FF	FF	FF	885	0	FF	FF	FF	FF

Figure ID	Link ID	Base 2016						Do-Minimum 2023						Do-Something 2023					
		Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band
63	68766-66389	747	0	LC	LC	LC	LC	872	0	LC	LC	LC	LC	885	0	LC	LC	LC	LC
64	66389-66382	619	5	LC	LC	FF	LC	737	12	LC	LC	FF	LC	745	12	LC	LC	FF	LC
65	68785-66389	2	0	FF	FF	FF	FF	2	0	FF	FF	FF	FF	2	0	FF	FF	FF	FF
66	68765-68766	0	0	FF	FF	FF	FF	0	0	FF	FF	FF	FF	0	0	FF	FF	FF	FF
67	66382-61293s	22954	2266	HS	HS	HS	HS	29686	2417	HS	HS	HS	HS	0	0	-	-	-	-
68	66380-66378	397	19	FF	FF	FF	FF	438	19	FF	FF	FF	FF	527	36	FF	FF	FF	FF
69	61296-61312	26209	2376	HS	HS	HS	HS	33534	2499	HS	HS	HS	HS	35757	2566	HS	HS	HS	HS
70	65704-61322	23159	2146	HS	HS	HS	HS	29553	2257	HS	HS	HS	HS	31519	2301	HS	HS	HS	HS
71	65140-61330	2134	132	FF	FF	FF	FF	2466	136	FF	FF	FF	FF	2645	138	FF	FF	FF	FF
72	61330-61334	2760	124	FF	FF	FF	FF	3641	184	FF	FF	FF	FF	3819	186	FF	FF	FF	FF
73	61334-61335	935	41	FF	FF	FF	FF	1261	92	FF	FF	FF	FF	1239	92	FF	FF	FF	FF
74	61333-61335	0	0	LC	LC	LC	LC	0	0	LC	LC	LC	LC	0	0	LC	LC	LC	LC
75	61333-61334	1826	83	FF	FF	FF	FF	2380	92	FF	FF	FF	FF	2580	95	FF	FF	FF	FF
76	61335-61331	935	41	HC	HC	HC	HC	1261	92	HC	HC	HC	HC	1239	92	HC	HC	HC	HC
77	61332-61330	1164	44	FF	FF	FF	FF	1517	97	FF	FF	FF	FF	1495	97	FF	FF	FF	FF
78	61359-61333	1826	83	FF	FF	FF	FF	2380	92	FF	FF	FF	FF	2580	95	FF	FF	FF	FF
79	61322-61331	21239	1928	HS	HS	HS	HS	26884	2012	HS	HS	HS	HS	28553	2054	HS	HS	HS	HS
80	61331-65533	22173	1969	HS	HS	HS	HS	28145	2104	HS	HS	HS	HS	29792	2146	HS	HS	HS	HS
81	65533-61339	23338	2013	HS	HS	HS	HS	29662	2201	HS	HS	HS	HS	31287	2243	HS	HS	HS	HS
82	61350-61338	23338	2013	HS	HS	HS	HS	29662	2201	HS	HS	FF	FF	31287	2243	FF	HS	FF	FF
83	66477-68165	0	0	-	-	-	-	0	0	-	-	-	-	32533	2440	HS	HS	HS	HS

Figure ID	Link ID	Base 2016						Do-Minimum 2023						Do-Something 2023					
		Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band
84	68806-68305	0	0	-	-	-	-	0	0	-	-	-	-	5414	178	LC	LC	LC	LC
85	68305-68303	0	0	-	-	-	-	0	0	-	-	-	-	1751	23	FF	FF	FF	FF
86	68304-68811	0	0	-	-	-	-	0	0	-	-	-	-	3915	179	FF	FF	FF	FF
87	68303-68304	0	0	-	-	-	-	0	0	-	-	-	-	252	24	HC	HC	HC	HC
88	68305-68304	0	0	-	-	-	-	0	0	-	-	-	-	3663	155	LC	LC	LC	LC
89	68314-68313	0	0	-	-	-	-	0	0	-	-	-	-	33357	2484	HS	HS	HS	HS
90	68313-68311	0	0	-	-	-	-	0	0	-	-	-	-	306	1	FF	FF	FF	FF
91	68311-68312	0	0	-	-	-	-	0	0	-	-	-	-	603	32	LC	LC	LC	LC
92	68313-68312	0	0	-	-	-	-	0	0	-	-	-	-	33050	2484	HS	HS	HS	HS
93	68312-68170	0	0	-	-	-	-	0	0	-	-	-	-	33653	2516	HS	HS	HS	HS
94	68311-68307	0	0	-	-	-	-	0	0	-	-	-	-	909	33	FF	FF	FF	FF
95	68306-68307	0	0	-	-	-	-	0	0	-	-	-	-	0	0	FF	FF	FF	FF
96	68722-68322	0	0	-	-	-	-	0	0	-	-	-	-	644	33	FF	FF	FF	FF
97	68307-68322	0	0	-	-	-	-	0	0	-	-	-	-	909	33	FF	FF	FF	FF
98	68322-68193	0	0	-	-	-	-	0	0	-	-	-	-	265	0	FF	FF	FF	FF
99	68193-68727	0	0	-	-	-	-	0	0	-	-	-	-	265	0	FF	FF	FF	FF
100	68170-68300	0	0	-	-	-	-	0	0	-	-	-	-	33653	2516	HS	HS	HS	HS
101	68300-68301	0	0	-	-	-	-	0	0	-	-	-	-	252	24	FF	FF	FF	FF
102	68301-68303	0	0	-	-	-	-	0	0	-	-	-	-	2003	47	LC	LC	LC	LC
103	68811-68183	0	0	-	-	-	-	0	0	-	-	-	-	2299	72	FF	FF	FF	FF
104	68302-68177	0	0	-	-	-	-	0	0	-	-	-	-	32773	2433	HS	HS	HS	HS

Figure ID	Link ID	Base 2016							Do-Minimum 2023					Do-Something 2023					
		Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band	Flow (veh/day)	HDV Flow (veh/day)	Daily Speed (kph)	AM Peak Speed Band	PM Peak Speed Band	IP Peak Speed Band
105	68183-68184	0	0	-	-	-	-	0	0	-	-	-	-	2299	72	LC	LC	LC	LC
106	68179-68812	0	0	-	-	-	-	0	0	-	-	-	-	2338	103	FF	FF	FF	FF
107	68177-61133	0	0	-	-	-	-	0	0	-	-	-	-	35383	2530	HS	HS	HS	HS
108	68165-68314	0	0	-	-	-	-	0	0	-	-	-	-	32533	2440	HS	HS	HS	HS
109	68306-68726	0	0	-	-	-	-	0	0	-	-	-	-	0	0	FF	FF	FF	FF
110	68722-61131	24020	2272	FF	FF	FF	FF	29792	2384	FF	FF	FF	FF	1268	33	HS	HS	HS	HS
111	68715-61130	23014	2228	FF	FF	FF	FF	28626	2339	FF	LC	FF	LC	0	0	-	-	-	-
112	61130-68721	1005	44	HC	HC	HC	HC	1167	45	HC	HC	HC	HC	0	0	-	-	-	-
113	68788-66419a	441	7	FF	FF	FF	FF	465	7	FF	FF	FF	FF	478	7	FF	FF	FF	FF
114	68788-66419b	441	7	FF	FF	FF	FF	465	7	FF	FF	FF	FF	478	7	FF	FF	FF	FF
115	68709-68710a	423	0	FF	FF	FF	FF	437	0	FF	FF	FF	FF	435	0	FF	FF	FF	FF
116	68709-68710b	423	0	FF	FF	FF	FF	437	0	FF	FF	FF	FF	435	0	FF	FF	FF	FF
117	68300-68302o	0	0	-	-	-	-	0	0	-	-	-	-	33640	2504	HS	HS	HS	HS
118	68185-68315o	0	0	-	-	-	-	0	0	-	-	-	-	33357	2484	HS	HS	HS	HS
119	68184-68185o	0	0	-	-	-	-	0	0	-	-	-	-	33640	2504	HS	HS	HS	HS
120	66382-61293b	23442	2287	HS	HS	HS	HS	30233	2437	HS	HS	HS	HS	32859	2512	HS	HS	HS	HS
121	68722-68724a	23098	2272	FF	FF	FF	FF	29135	2384	FF	FF	FF	FF	0	0	-	-	-	-
122	68722-68724b	23098	2272	FF	FF	FF	FF	29135	2384	FF	FF	FF	FF	0	0	-	-	-	-
123	68722-68724c	23098	2272	FF	FF	FF	FF	29135	2384	FF	FF	FF	FF	0	0	-	-	-	-

Note: Links represent two way flows; one way traffic data from parallel links have been combined.

LC = Light Congestion,

HC = Heavy Congestion

HS = High Speed

FF = Free Flow