

Project: The Cottage, Shripney Road, Shripney
Prepared by: Chris Saunders
Approved by: James Bancroft
Date: 25/07/2017

1.0 Introduction

- 1.1 In May 2017, Castle Properties submitted an outline planning application to Arun District Council (ADC) for the construction of 20 new houses and flats, plus a replacement dwelling (21 units in total) following the demolition of the existing dwelling and outbuildings at The Cottage, Shripney Road, Shripney.
- 1.2 The application (Ref: BE/63/17/OUT) was supported by a Transport Statement (TS) that considered the likely effects of this development upon the local road network. The TS was also supported by a Stage 1 Road Safety Audit.
- 1.3 On the basis of the analyses presented in the TS, it was concluded that:
- ✧ The proposals accord with national and local policies relevant to transport;
 - ✧ The site is accessible by public transport, walking and cycling;
 - ✧ A review of personal injury accident information has identified no significant issues associated with the local highway network that are detrimental to road safety levels;
 - ✧ Suitable and appropriate vehicular access to the site can be achieved via Shripney Road in accordance with current best practice guidelines; and
 - ✧ The levels of traffic associated with the proposals will not lead to a severe impact to the existing operation and free flow of traffic on the adjoining highway network.
- 1.4 ADC consulted the Highway Authority, West Sussex County Council (WSCC) on the proposals. WSCC issued a consultation response on the 11th July 2017, requesting further speed surveys be undertaken along Shripney Road to justify the visibility splays achievable at the proposed access to the development, and until such time as these surveys were forthcoming WSCC placed a holding objection on the proposals.
- 1.5 This Technical Note provides the additional information WSCC require to remove there holding objection.

2.0 Vehicle Speed and Count Surveys

- 2.1 WSCC required surveys to be undertaken to the north and south of the proposed access, specifically at the end of the proposed visibility splays. The exact locations were 71 metres north of the proposed access and 120 metres south of the proposed access as shown on drawing 160818-07 within Appendix A.
- 2.2 The surveys were undertaken between Friday 14th July and Thursday 20th July 2017 outside the holiday periods and while local schools were open in accordance with WSCC requirements. The full surveys are included within Appendix B, and summarised in Tables 2.1 and 2.2 below.

Time Period	Northbound Vehicular Activity (Weekday)		Southbound Vehicular Activity (Weekday)	
	Total	85 th Percentile Speeds (mph)	Total	85 th Percentile Speeds (mph)
Weekday Morning (08:00-09:00)	485	38.54	287	33.42
Weekday Evening (17:00-18:00)	374	38.34	518	33.88
Typical Weekday (00:00-23:59)	6261	38.4	5306	33.3

Table 2.1 – Traffic Survey Results A29 Shripney Road (North of Proposed Access)

Time Period	Northbound Vehicular Activity (Weekday)		Southbound Vehicular Activity (Weekday)	
	Total	85 th Percentile Speeds (mph)	Total	85 th Percentile Speeds (mph)
Weekday Morning (08:00-09:00)	482	38.54	292	38.42
Weekday Evening (17:00-18:00)	378	42.34	520	38.88
Typical Weekday (00:00-23:59)	6218	39.8	5318	38.3

Table 2.1 – Traffic Survey Results A29 Shripney Road (South of Proposed Access)

- 2.3 The survey results showed vehicle flows lower than those observed during the Easter holiday period surveys and for the visibility splay calculation in the leading direction the 85th Percentile visibility splay reduced from 34.5 miles per hour to 33.3 miles per hour.

3.0 Access Arrangements

- 3.1 Vehicular access to the proposed development will remain via a new access from Shripney Road. The access road into the site will be 4.8 metres wide to allow two vehicles to pass each other.
- 3.2 Shripney Road is subject to a 40 miles per hour speed limit and if the 85th percentile vehicle speeds are greater than 37 miles per hour visibility splays of 2.4 metres by 120 metres are required in accordance with the requirements of the Department for Transport document “*TD 42/95 Geometric Design of Major/Minor Priority junctions*”. The proposed access to the site as shown on Drawing 160818-04 within Appendix C, achieves a splay of 2.4 metres by 120 metres in the trailing direction to the south. The 85th percentile speed for northbound vehicles south of the site access was recorded as 39.8 miles per hour (Table 2.2) and therefore the visibility splay provided is fully in accordance with TD 42/95.
- 3.3 The speed survey shows that the 85th percentile speed for southbound vehicles approaching the new access is 33.3 miles per hour (Table 2.1) and as the observed vehicles speeds are below 37 miles per hour, the requirements contained within “*Manual for Streets*” (MfS) can be used to determine the visibility splays. Therefore, in accordance with MfS, appropriate visibility splays of 2.4 metres by 49.1 metres are required to the north. The visibility splays to the north as shown on Drawing 160818-04, shows a visibility splay of 2.4 metres by 53 metres as these were determined from the original survey where the 85th percentile speed was recorded at 34.5 miles per hour.
- 3.4 The visibility splays have also been calculated on the observed vehicle speeds and have not had a wet weather reduction applied as detailed within the Department for Transport document “*TA 22/81 Vehicle Speed Measurement on All Purpose Trunk Roads*”. Therefore, the visibility splays are greater than those required, if a wet weather reduction was applied in accordance with guidance.
- 3.5 It should also be noted that with regards the visibility to the north in the leading direction, while a splay of 2.4 metres by 49.1 metres is required a splay of 2.4 metres by 71 metres will be achieved over land in the either the applicants control or the highway authority. Therefore, a significant factor of safety is included within the visibility splay to the north.
- 3.6 The removal of vegetation across the site frontage will also significantly enhance the visibility to the south from the Robin Hood public house egress. The existing splay to the south is restricted to 2.4 metres by 26 metres and following the removal of the vegetation splays of 2.4 metres by 120 metres will be achievable. This will be an enhancement to road safety especially as recorded accidents involving turning vehicles have occurred at this access.

4.0 Conclusion

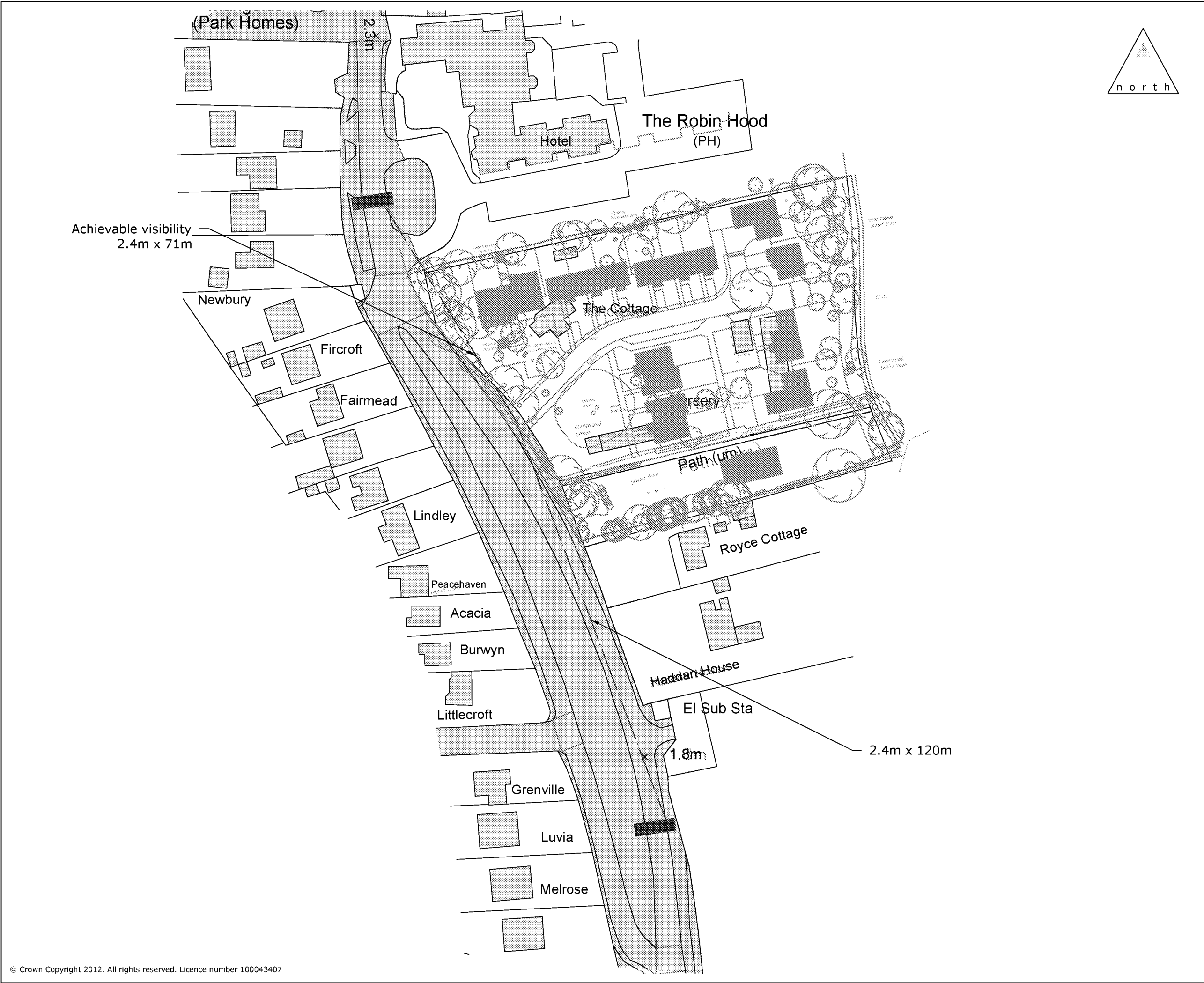
- 4.1 In accordance with WSCC requirements additional vehicle speed and survey counts have been undertaken on the A29 Shripney Road outside the holiday period and during school term time between the 14th and 20th July 2017.

- 4.2 When the July 2017 surveys are compared against the surveys undertaken during the 2017 Easter holidays, a peak tourist period, the recorded vehicle speeds in the critical southbound, leading, direction to the proposed access were lower than those previously recorded, while two way flows recorded in July were also lower than those previously recorded during Easter.
- 4.3 On the basis of the above, it is therefore concluded that the proposals continue to accord with national and local transport policies and can be accommodated without detriment to the operating capacity of the local transport networks. We therefore remain of the view that there is no reason why the proposals should be resisted on traffic or transportation grounds.

Appendix A

ATC Survey Locations

N:\Projects\cpbog2 160818\Drawings\160818-07.dwg



motion

84 North Street
Guildford
Surrey
GU1 4AU
T: 01483 531 300

Golden Cross House
8 Duncannon Street
London
WC2N 4JF
T: 020 7031 8141

www.motion.co.uk

Project:
Shripney Road, Bognor Regis

Title:
Site Visibility

Scale: 1:1000 (@ A3)

Drawing:
160818-07

Revision:
-

Appendix B

ATC Surveys

Bognor Regis ATC, A29 Shripney Road (Northern Site)

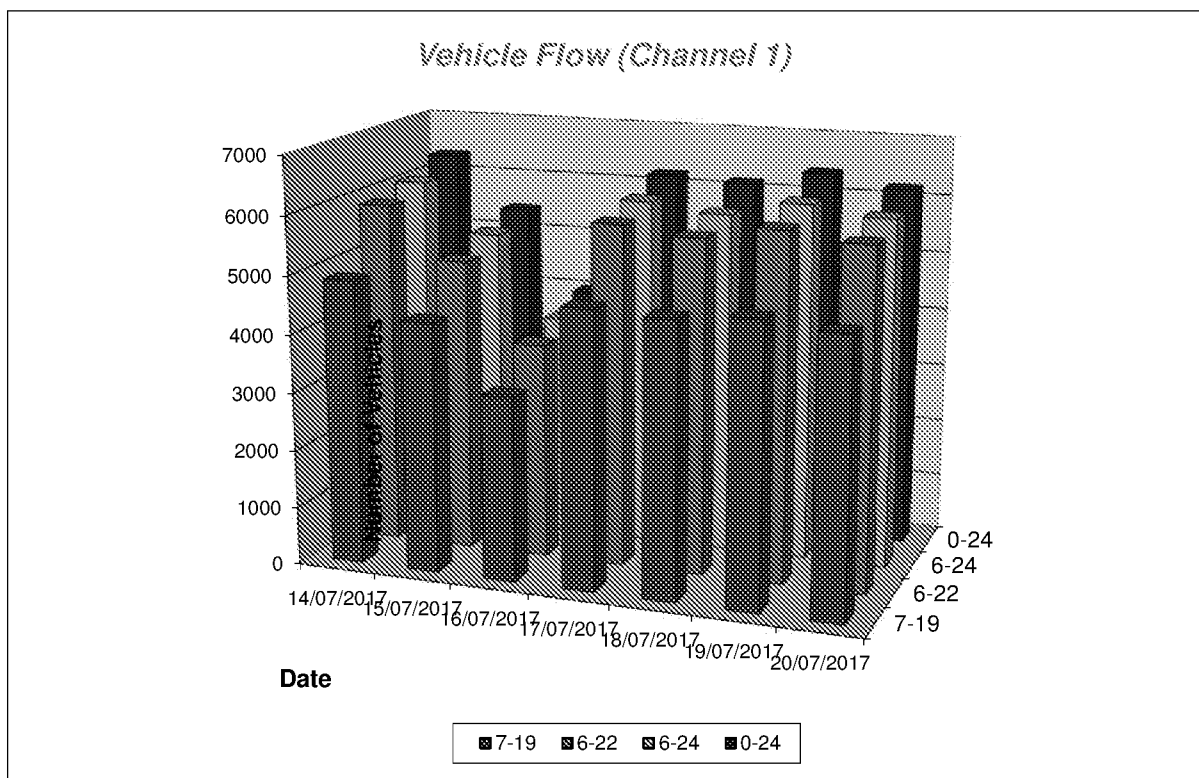
Channel 1 - Northbound

Vehicle Flow

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday	5 Day Ave	7 Day Ave
1	23	38	40	14	30	27	27	24	28
2	16	23	30	6	6	16	11	11	15
3	22	16	24	7	12	26	7	15	16
4	20	17	16	14	25	21	16	19	18
5	54	40	27	48	57	63	54	55	49
6	132	54	41	129	161	128	126	135	110
7	414	159	100	427	424	406	410	416	334
8	628	196	149	579	586	601	596	598	476
9	458	302	242	450	512	512	492	485	424
10	356	321	233	388	349	322	340	351	350
11	380	430	310	383	353	390	408	383	379
12	436	420	305	421	348	436	408	410	396
13	393	439	331	305	319	365	294	335	349
14	373	393	294	364	363	368	349	365	358
15	422	386	264	407	419	434	391	415	389
16	412	369	274	415	413	386	377	401	378
17	334	347	260	299	345	316	311	321	316
18	367	361	259	371	382	356	393	374	356
19	333	328	244	367	316	332	343	338	323
20	254	217	182	261	253	316	283	273	252
21	211	182	137	240	207	246	258	232	212
22	128	176	121	175	130	160	159	150	150
23	112	116	75	79	86	119	99	99	98
24	59	99	54	64	52	54	55	57	62

7-19	4892	4232	3155	4749	4705	4818	4702	4773	4475
6-22	5859	5026	3705	5852	5710	5546	5512	5845	5423
6-23	5575	5551	3533	5335	5357	5113	5555	5001	5583
0-24	6337	5429	4012	6213	6148	6400	6207	6281	5821



Bognor Regis ATC, A29 Shripney Road (Northern Site)

Channel 1 - Northbound

Average Speed

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	31.0	35.6	28.1	27.4	28.9	31.6	26.2
2	36.0	36.7	28.1	20.9	26.8	33.5	21.9
3	37.3	35.2	30.1	27.6	39.9	35.0	28.7
4	34.5	37.3	33.9	31.6	33.7	33.2	31.3
5	38.9	37.5	35.9	25.6	30.4	37.7	24.9
6	40.3	38.6	33.2	38.8	31.7	38.7	40.1
7	35.2	38.0	37.5	35.8	35.9	35.1	35.8
8	34.7	36.1	36.6	34.4	34.4	34.4	34.8
9	32.4	32.2	31.6	32.4	32.8	32.6	32.1
10	33.1	28.4	29.4	33.1	32.4	32.8	32.5
11	29.6	31.7	32.3	29.4	30.7	29.4	28.9
12	29.3	32.6	32.9	28.0	30.7	28.7	27.6
13	25.6	33.3	32.8	26.8	26.7	25.9	26.5
14	29.7	29.6	29.3	31.0	30.1	31.0	31.1
15	33.3	31.7	30.2	32.6	33.4	33.2	33.0
16	32.7	30.1	31.1	33.2	32.5	33.0	32.7
17	32.2	29.5	28.7	33.4	32.9	32.3	34.0
18	32.8	30.6	30.8	32.4	32.6	31.9	32.4
19	31.7	28.9	29.6	29.4	32.3	29.1	30.3
20	32.2	24.3	23.8	34.5	32.9	33.4	33.8
21	33.5	33.2	34.0	35.0	31.6	34.1	34.6
22	34.7	32.4	32.2	34.6	29.2	34.3	34.3
23	32.7	35.2	34.3	33.3	27.6	32.0	34.4
24	35.1	31.0	31.8	36.4	30.9	34.5	37.1

10-12	29.4	32.1	32.8	33.6	30.7	29.0	28.3
13-15	31.1	31.5	31.2	32.3	32.2	32.2	32.3
0-24	32.3	31.5	31.2	32.3	32.2	32.2	32.3

Average	32.0
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Channel 1 - Northbound

85th Percentile

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	38.7	38.6	39.0	33.7	38.9	38.7	38.2
2	43.5	43.3	43.4	38.9	38.7	38.9	33.5
3	43.6	38.3	38.3	33.8	43.5	43.5	43.3
4	38.3	43.8	38.2	38.0	43.4	43.1	38.3
5	48.3	43.8	43.2	33.5	43.1	43.8	38.0
6	48.8	43.6	48.6	43.9	43.8	43.4	48.5
7	43.0	44.0	43.4	43.4	43.5	43.5	43.2
8	38.8	43.9	43.4	38.7	38.8	38.5	38.9
9	38.8	43.2	38.7	38.5	38.6	38.2	38.6
10	38.7	38.7	38.3	38.5	38.8	38.3	38.8
11	38.0	39.0	38.6	38.5	38.0	38.1	38.9
12	38.4	38.2	38.2	38.4	38.2	38.6	38.3
13	38.9	38.5	38.2	38.4	38.1	38.2	38.5
14	38.8	38.1	38.6	38.3	38.1	38.9	38.1
15	38.4	39.0	38.1	38.1	38.3	38.1	38.6
16	39.0	38.7	38.5	38.2	38.1	38.4	38.4
17	38.9	38.0	38.9	39.0	38.0	38.3	39.0
18	38.1	38.6	38.3	38.1	38.5	38.9	38.1
19	38.9	38.1	38.8	38.4	38.7	38.8	38.9
20	38.4	33.1	38.4	43.4	38.5	38.3	43.6
21	38.5	43.8	43.3	38.5	38.8	38.7	43.3
22	38.8	38.3	38.9	43.2	38.1	43.3	43.1
23	38.1	43.0	38.6	43.5	38.2	38.1	43.5
24	43.6	38.3	38.6	43.3	38.7	38.0	43.2

10-12	38.5	38.4	38.4	38.5	38.5	38.3	38.0
13-15	38.5	38.3	38.3	38.5	38.1	38.5	38.1
0-24	38.6	38.0	38.6	38.2	38.1	38.3	38.0

85th %ile	38.4
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Bognor Regis ATC, A29 Shripney Road (Northern Site)

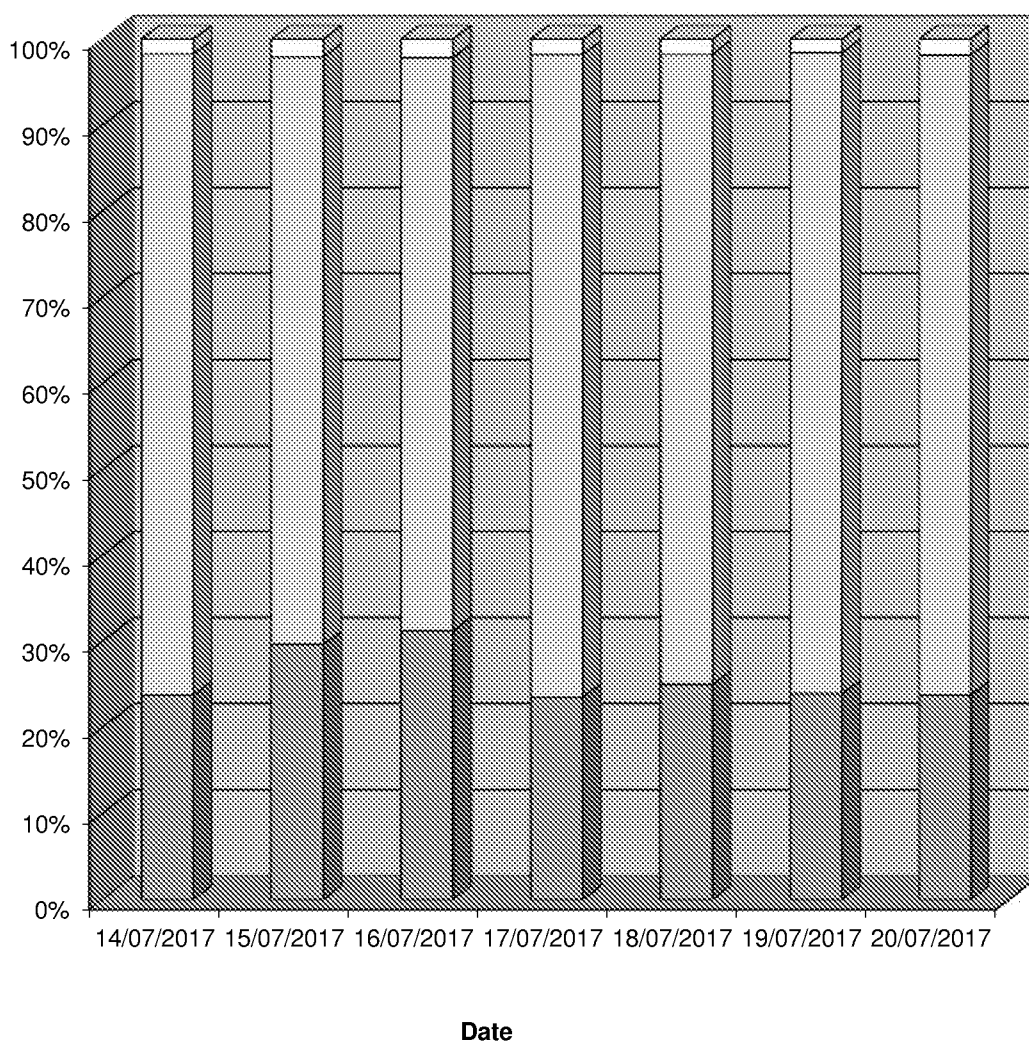
Channel 1 - Northbound

Speed Summary

Week 1

Speed (MPH)	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
0-30	1503	1606	1251	1458	1533	1527	1473
31-45	4725	3710	2674	4645	4508	4772	4618
46-60	109	113	87	110	107	101	116
61-	0	0	0	0	0	0	0
TOTAL	6337	5429	4012	6213	6148	6400	6207

Speed Summary (MPH)



Bognor Regis ATC, A29 Shripney Road (Northern Site)

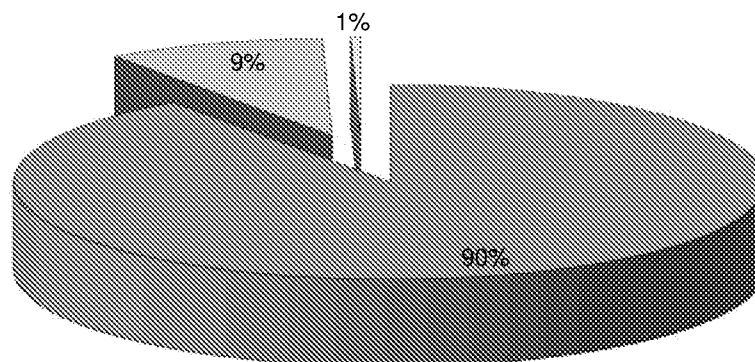
Channel 1 - Northbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
14/07/2017				
7-19	4356	508	28	4892
6-22	5230	533	31	5899
6-24	5113	535	31	6079
0-24	5679	623	35	6337
15/07/2017				
7-19	4051	234	7	4292
6-22	4755	263	8	5026
6-24	4650	273	8	5241
0-24	5137	283	9	5429
16/07/2017				
7-19	2985	173	7	3165
6-22	3497	200	8	3705
6-24	3325	206	8	3834
0-24	3782	218	12	4012
17/07/2017				
7-19	4175	555	19	4749
6-22	5132	643	22	5852
6-24	5025	653	23	5905
0-24	5510	679	24	6213
18/07/2017				
7-19	4139	527	29	4705
6-22	5051	635	33	5719
6-24	5153	638	35	5897
0-24	5435	677	36	6148
19/07/2017				
7-19	4258	533	27	4818
6-22	5232	634	30	5946
6-24	5113	635	30	6119
0-24	5691	678	33	6409
20/07/2017				
7-19	4133	525	17	4702
6-22	5161	629	22	5812
6-24	5113	633	22	5968
0-24	5522	662	23	6207
Average				
7-19	4018	433	19	4475
6-22	4937	514	22	5473
6-24	5131	523	22	5683
0-24	5251	545	25	5821

Total Vehicle Class Distribution



Bognor Regis ATC, A29 Shripney Road (Northern Site)

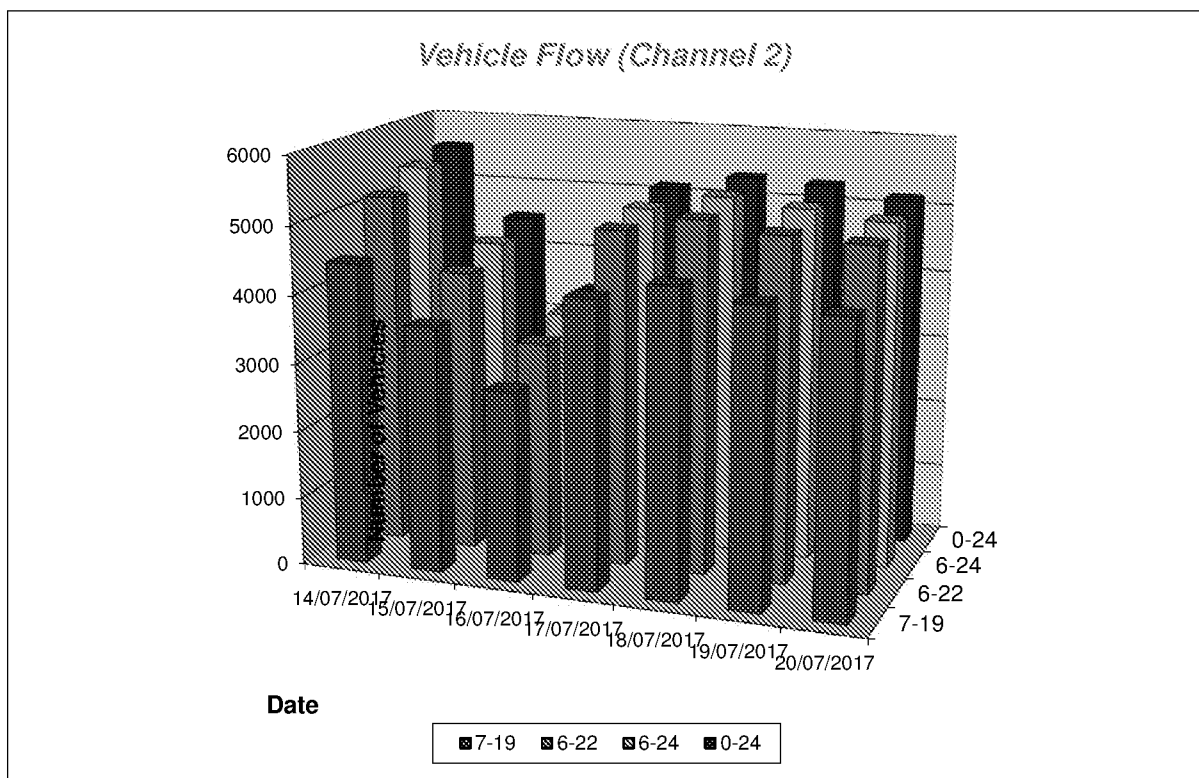
Channel 2 - Southbound

Vehicle Flow

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday	5 Day Ave	7 Day Ave
1	16	71	33	12	12	16	14	14	25
2	18	28	21	7	7	18	7	11	15
3	14	5	8	3	13	18	5	11	9
4	14	15	13	6	3	6	3	6	9
5	23	25	7	13	15	21	8	15	18
6	48	26	14	64	30	52	72	53	44
7	128	84	70	131	124	127	127	127	113
8	243	135	109	236	247	283	254	253	215
9	307	246	187	277	272	291	286	287	267
10	314	288	227	328	302	338	349	328	307
11	268	463	371	286	301	289	264	282	320
12	247	485	374	247	302	226	228	250	301
13	219	409	314	206	201	244	193	213	255
14	302	331	271	264	300	294	266	285	290
15	433	328	250	468	441	518	499	472	420
16	557	279	197	559	534	503	529	506	451
17	596	215	147	573	591	595	591	589	473
18	548	236	199	493	555	477	518	513	432
19	398	201	144	279	436	265	280	332	296
20	252	111	72	237	236	244	234	241	198
21	187	199	164	204	205	197	213	201	196
22	177	133	96	143	111	132	141	141	133
23	150	138	105	67	69	82	65	67	97
24	106	71	61	32	43	71	27	58	59

7-19	4432	3616	2790	4218	4462	4323	4257	4342	4017
6-22	5176	4143	3152	4931	5158	5023	4972	5052	4636
6-23	5835	4335	3238	5335	5323	5173	5053	5194	4812
0-24	5565	4522	3454	5135	5350	5307	5173	5306	4929



Bognor Regis ATC, A29 Shripney Road (Northern Site)

Channel 2 - Southbound

Average Speed

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	34.2	30.9	28.3	26.1	32.0	30.8	30.9
2	31.9	33.1	31.1	25.9	36.9	30.9	28.7
3	29.1	30.5	30.2	24.7	34.2	32.7	31.5
4	30.7	33.0	34.5	33.8	28.0	31.3	25.5
5	32.2	32.2	32.6	28.0	33.2	32.2	30.8
6	34.4	32.1	32.5	32.4	31.2	32.7	33.3
7	29.9	31.0	31.8	28.5	29.4	28.6	28.5
8	27.5	29.0	29.1	28.3	28.5	28.3	28.2
9	29.0	29.1	29.7	27.8	28.5	28.3	27.8
10	27.8	28.2	28.7	27.9	27.2	28.1	27.6
11	28.1	27.5	28.0	27.9	28.9	27.7	28.0
12	26.9	27.5	27.8	27.3	29.0	26.6	26.9
13	27.5	28.2	28.7	28.7	28.9	27.7	28.7
14	27.5	28.7	29.1	29.5	28.4	28.3	29.1
15	29.4	28.2	28.6	29.0	29.0	29.0	29.3
16	27.9	28.1	28.5	27.8	27.7	27.7	28.4
17	28.7	28.4	28.1	28.5	28.7	28.6	28.7
18	29.6	29.9	28.8	29.2	28.8	29.1	29.4
19	29.3	29.1	29.4	27.6	29.9	27.2	27.1
20	29.7	29.5	28.2	30.1	30.5	30.0	29.4
21	29.4	29.8	31.2	28.6	29.7	29.5	28.9
22	30.1	29.3	29.3	27.4	30.7	27.6	28.0
23	29.0	29.0	29.1	30.6	28.4	28.8	31.2
24	31.3	28.5	30.0	30.3	32.4	30.9	28.7

10-12	27.5	27.5	27.8	27.8	29.0	27.2	27.5
13-15	27.5	28.2	28.6	28.5	28.9	28.3	28.6
0-24	28.8	28.6	28.9	28.5	28.9	28.5	28.6

Average	28.7
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Channel 2 - Southbound

85th Percentile

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	38.3	38.3	33.7	33.6	38.2	33.6	38.8
2	33.5	43.3	38.5	33.3	43.2	38.8	33.3
3	33.9	43.2	33.6	33.1	38.3	38.5	43.7
4	38.5	33.5	38.2	38.2	33.8	38.2	25.9
5	43.4	43.2	33.5	33.1	38.1	38.9	33.8
6	43.8	38.6	33.7	38.4	38.5	38.4	38.7
7	38.8	38.4	38.8	34.0	38.8	38.3	33.4
8	33.7	33.9	33.4	33.5	33.8	33.8	33.1
9	33.7	33.5	33.9	33.5	33.3	33.2	33.4
10	34.0	33.2	33.7	34.0	34.0	33.4	33.3
11	33.3	33.7	33.1	33.2	33.8	33.2	33.7
12	33.5	33.7	33.6	33.4	33.7	33.9	33.3
13	33.4	33.6	33.7	33.4	33.9	33.6	33.8
14	33.7	33.8	33.0	33.3	33.9	33.4	33.2
15	33.2	33.2	33.4	33.5	33.4	33.4	33.6
16	33.4	33.8	33.4	33.1	33.1	33.9	34.0
17	33.5	33.2	33.3	33.5	34.0	33.6	33.2
18	33.8	34.0	34.0	34.0	33.8	33.9	33.9
19	33.5	33.1	38.8	33.6	33.7	33.5	33.1
20	33.4	33.1	33.7	33.9	38.4	38.3	34.0
21	33.5	38.8	38.4	33.7	33.0	33.9	33.6
22	38.2	33.4	33.7	33.4	33.2	33.3	33.6
23	33.6	33.5	33.3	38.7	33.2	38.3	33.9
24	38.5	33.1	33.4	33.1	38.5	38.2	33.6

10-12	33.7	33.1	33.4	33.8	33.4	33.3	33.2
13-15	33.2	33.2	33.3	33.7	33.1	33.3	33.3
0-24	33.4	33.0	33.1	33.5	33.3	33.7	33.1

85th %ile	33.3
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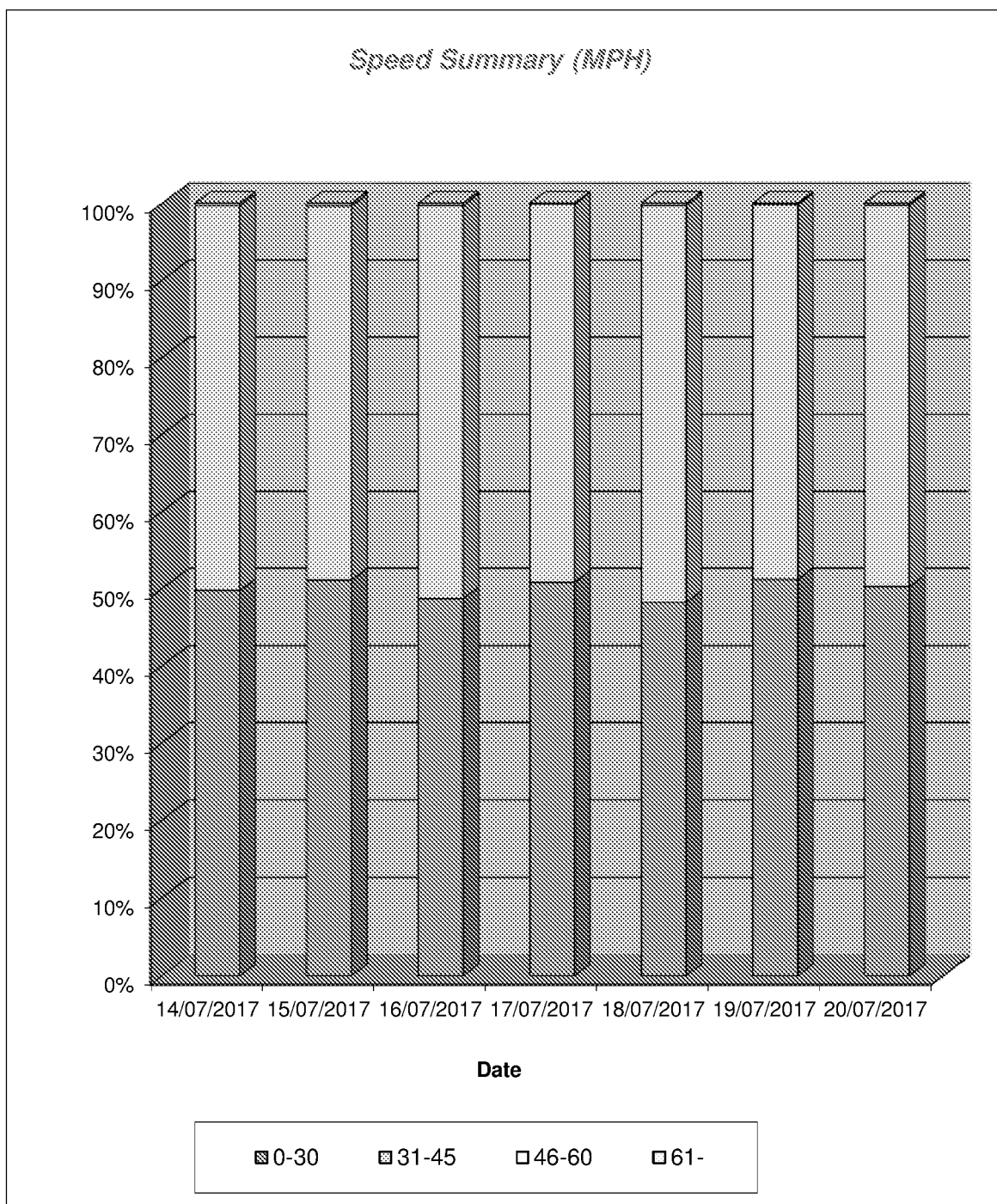
Bognor Regis ATC, A29 Shripney Road (Northern Site)

Channel 2 - Southbound

Speed Summary

Week 1

Speed (MPH)	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
0-30	2770	2312	1682	2611	2581	2718	2801
31-45	2777	2195	1762	2518	2754	2580	2558
46-60	18	15	10	6	15	9	14
61-	0	0	0	0	0	0	0
TOTAL	5565	4522	3454	5135	5350	5307	5173



Bognor Regis ATC, A29 Shripney Road (Northern Site)

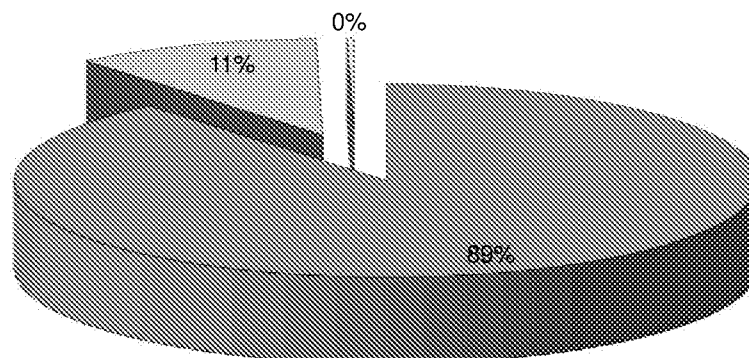
Channel 2 - Southbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
14/07/2017				
7-19	5281	555	16	4432
6-22	4538	621	17	5176
6-24	4772	535	16	5432
0-24	4892	653	20	5565
15/07/2017				
7-19	3344	266	6	3616
6-22	3636	300	7	4143
6-24	3735	310	7	4352
0-24	4197	315	10	4622
16/07/2017				
7-19	2571	219	3	2793
6-22	2947	241	4	3192
6-24	3135	255	4	3358
0-24	3183	265	6	3454
17/07/2017				
7-19	3679	525	11	4215
6-22	4317	602	12	4931
6-24	4531	615	13	5039
0-24	4496	625	14	5135
18/07/2017				
7-19	3938	530	14	4482
6-22	4532	611	15	5158
6-24	4671	615	16	5270
0-24	4709	623	18	5350
19/07/2017				
7-19	3904	504	15	4323
6-22	4432	575	16	5023
6-24	4573	580	17	5176
0-24	4683	601	23	5307
20/07/2017				
7-19	3727	519	11	4257
6-22	4364	578	12	4972
6-24	4533	588	13	5064
0-24	4558	602	13	5173
Average				
7-19	3561	445	11	4017
6-22	4141	504	12	4656
6-24	4351	513	13	4812
0-24	4388	526	15	4929

Total Vehicle Class Distribution



Bognor Regis ATC, A29 Shripney Road (Southern Site)

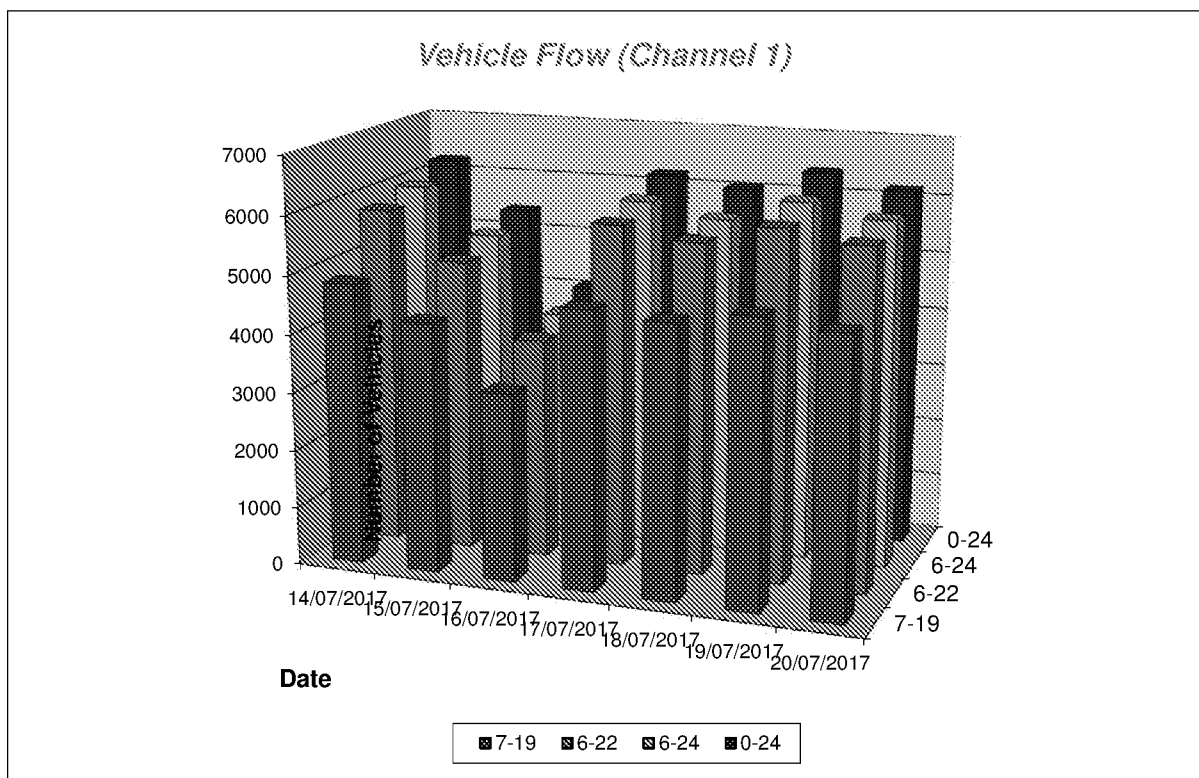
Channel 1 - Northbound

Vehicle Flow

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday	5 Day Ave	7 Day Ave
1	25	35	45	17	26	22	21	22	27
2	18	18	27	8	10	16	11	13	15
3	20	13	28	7	9	23	7	13	15
4	17	21	17	15	26	18	21	19	19
5	46	41	30	53	49	52	55	51	47
6	130	59	35	121	158	128	123	132	108
7	403	154	111	422	417	392	402	407	329
8	602	206	156	591	572	597	598	592	475
9	478	301	236	469	499	487	479	482	421
10	341	321	247	372	347	336	357	351	332
11	379	419	300	370	350	403	391	379	373
12	433	437	325	426	361	433	410	413	404
13	375	454	332	302	302	365	287	325	345
14	363	398	310	386	351	377	372	370	365
15	429	378	273	393	411	410	388	406	383
16	414	358	285	390	397	397	382	396	375
17	325	341	254	308	336	338	322	328	318
18	375	360	269	377	387	372	378	373	350
19	322	311	240	358	330	345	347	340	322
20	242	233	180	278	262	301	288	274	255
21	206	175	129	240	196	259	240	228	206
22	125	174	129	163	127	163	151	146	147
23	111	112	78	90	82	118	91	98	97
24	63	88	57	57	43	56	56	55	60

7-19	4836	4284	3227	4742	4643	4880	4711	4758	4472
6-22	5812	5020	3776	5645	5645	5375	5752	5814	5408
6-23	5305	5555	3533	5335	5723	5543	5553	5967	5567
0-24	6242	5407	4093	6213	6048	6408	6177	6218	5798



Bognor Regis ATC, A29 Shripney Road (Southern Site)

Channel 1 - Northbound

Average Speed

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	33.8	37.6	31.6	26.2	27.4	33.7	27.1
2	37.3	38.0	28.3	23.6	26.0	35.7	24.4
3	37.8	36.5	30.7	33.0	40.8	38.2	33.0
4	36.1	38.1	35.9	31.8	35.4	34.9	30.3
5	40.6	39.7	37.7	25.0	31.9	40.5	25.5
6	42.1	40.4	36.9	41.2	34.1	41.6	41.6
7	37.6	39.8	40.1	37.5	38.0	37.3	37.7
8	36.5	37.7	38.4	36.5	36.4	36.4	36.4
9	33.9	33.2	33.1	33.4	34.4	33.9	33.8
10	34.4	29.0	29.9	34.5	34.1	34.5	34.2
11	31.3	33.3	33.7	30.8	31.6	30.8	30.8
12	30.4	34.7	34.8	29.3	31.7	29.8	29.4
13	26.8	34.2	34.3	27.5	27.4	26.7	27.3
14	31.4	31.4	31.1	32.5	32.0	31.9	32.4
15	35.1	32.6	32.3	34.7	34.9	34.8	34.7
16	34.3	32.0	32.6	34.3	34.5	34.2	34.1
17	34.4	30.8	30.5	35.2	34.5	34.1	35.1
18	34.1	32.4	32.5	33.8	34.1	33.9	34.0
19	33.0	30.8	29.8	31.3	32.9	30.9	31.2
20	34.1	26.3	25.4	35.8	34.5	35.9	35.6
21	35.0	34.4	35.2	36.6	33.4	35.8	36.2
22	36.1	34.0	33.7	36.8	30.6	35.8	35.9
23	34.4	36.2	35.9	35.5	28.7	34.2	35.6
24	36.8	33.8	33.4	37.1	34.1	36.5	37.4

10-12	30.8	34.0	34.3	30.0	31.7	30.3	30.1
13-15	31.7	32.6	32.8	33.7	33.7	33.8	33.8
0-24	33.9	33.0	32.8	33.8	33.7	33.8	33.8

Average	33.5
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Channel 1 - Northbound

85th Percentile

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	38.7	43.6	44.0	38.7	38.9	38.7	38.2
2	43.5	43.3	43.4	38.9	38.7	43.9	38.5
3	43.6	43.3	43.3	33.8	43.5	43.5	33.3
4	43.3	43.8	38.2	38.0	43.4	43.1	43.3
5	48.3	48.8	43.2	38.5	43.1	48.8	38.0
6	48.8	48.6	48.6	48.9	43.8	48.4	48.5
7	43.0	44.0	43.4	43.4	43.5	43.5	43.2
8	43.8	43.9	43.4	43.7	43.8	43.5	43.9
9	38.8	43.2	43.7	38.5	38.6	38.2	38.6
10	38.7	38.7	38.3	38.5	38.8	38.3	38.8
11	38.0	39.0	38.6	38.5	38.0	38.1	38.9
12	38.4	38.2	38.2	38.4	38.2	38.6	38.3
13	38.9	38.5	38.2	38.4	38.1	38.2	38.5
14	38.8	38.1	38.6	38.3	38.1	38.9	38.1
15	38.4	39.0	38.1	38.1	38.3	38.1	38.6
16	39.0	38.7	38.5	38.2	38.1	38.4	38.4
17	38.9	38.0	38.9	44.0	38.0	38.3	39.0
18	38.1	43.6	38.3	43.1	43.5	43.9	43.1
19	43.9	38.1	38.8	43.4	38.7	43.8	43.9
20	43.4	38.1	38.4	43.4	43.5	43.3	43.6
21	43.5	43.8	43.3	43.5	38.8	43.7	43.3
22	43.8	38.3	38.9	43.2	38.1	43.3	43.1
23	38.1	43.0	43.6	43.5	38.2	38.1	43.5
24	43.6	38.3	38.6	43.3	43.7	43.0	43.2

10-12	38.5	38.4	38.4	38.5	38.5	38.3	39.0
13-15	38.5	38.3	38.3	38.5	38.3	38.5	38.1
0-24	38.6	38.0	38.6	43.2	43.1	38.3	39.0

85th %ile	39.3
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Bognor Regis ATC, A29 Shripney Road (Southern Site)

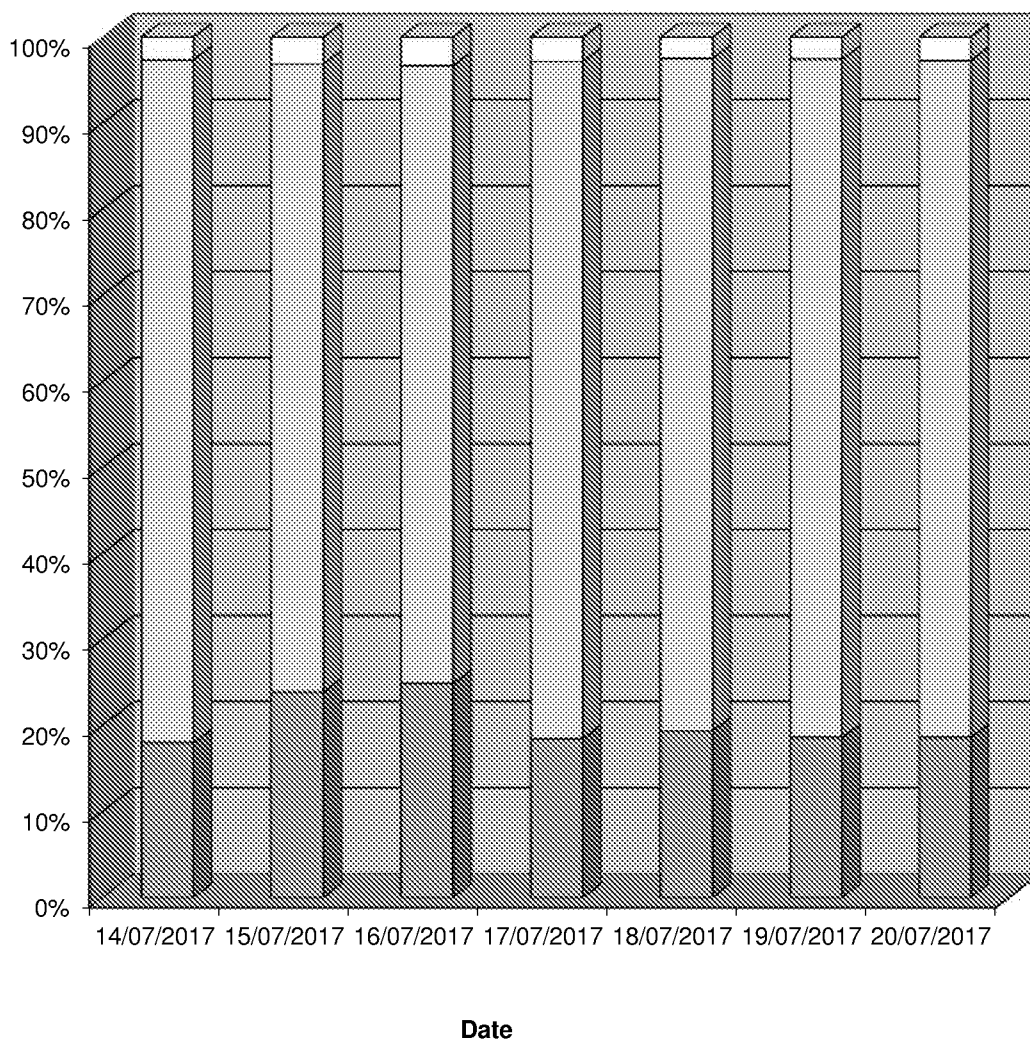
Channel 1 - Northbound

Speed Summary

Week 1

Speed (MPH)	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
0-30	1120	1288	1016	1145	1168	1187	1144
31-45	4958	3948	2940	4891	4728	5056	4863
46-60	164	171	137	177	152	165	170
61-	0	0	0	0	0	0	0
TOTAL	8242	5407	4093	6213	6048	6408	6177

Speed Summary (MPH)



Bognor Regis ATC, A29 Shripney Road (Southern Site)

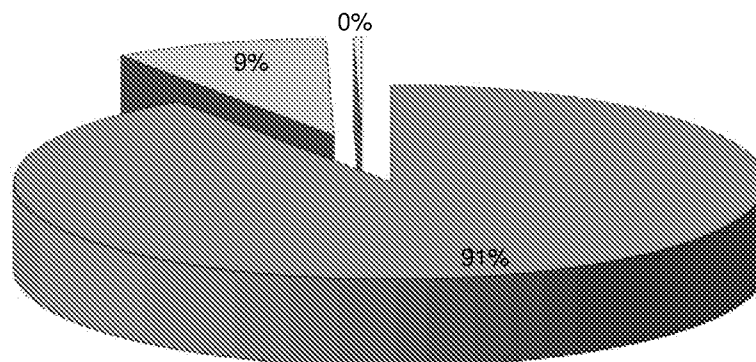
Channel 1 - Northbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
14/07/2017				
7-19	4318	492	26	4836
6-22	5238	573	29	5840
6-24	5175	531	29	5635
0-24	5602	608	32	6242
15/07/2017				
7-19	4038	240	6	4284
6-22	4742	271	7	5020
6-24	4811	300	7	5118
0-24	5112	288	7	5407
16/07/2017				
7-19	3045	177	5	3227
6-22	3571	200	5	3776
6-24	3520	196	5	3721
0-24	3667	218	8	3893
17/07/2017				
7-19	4175	552	15	4742
6-22	5178	650	17	5845
6-24	5221	653	18	5892
0-24	5515	679	19	6213
18/07/2017				
7-19	4197	511	25	4733
6-22	5015	602	28	5645
6-24	5131	608	28	5767
0-24	5382	638	28	6048
19/07/2017				
7-19	4308	529	23	4860
6-22	5323	636	26	5985
6-24	5435	635	26	6100
0-24	5715	664	29	6408
20/07/2017				
7-19	4163	531	17	4711
6-22	5153	629	19	5792
6-24	5230	623	19	5872
0-24	5511	646	20	6177
Average				
7-19	4022	433	17	4472
6-22	4844	508	19	5371
6-24	5131	613	19	5763
0-24	5243	534	20	5797

Total Vehicle Class Distribution



Bognor Regis ATC, A29 Shripney Road (Southern Site)

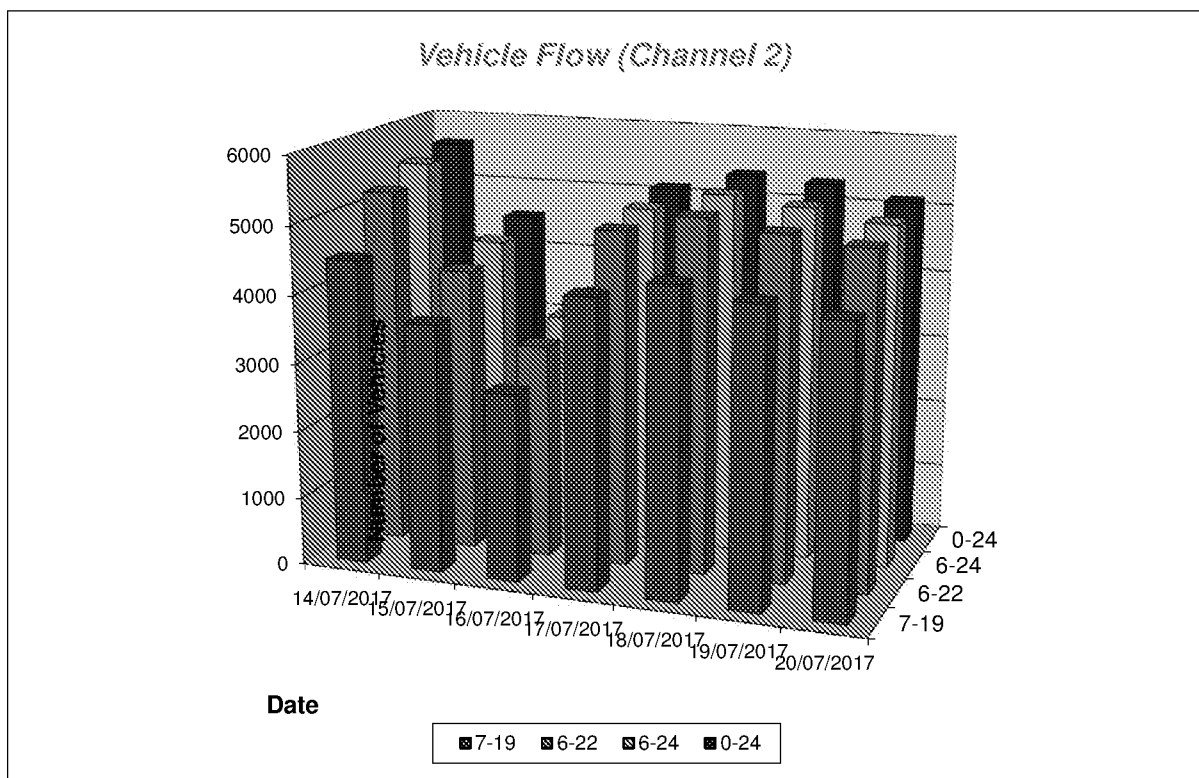
Channel 2 - Southbound

Vehicle Flow

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday	5 Day Ave	7 Day Ave
1	15	63	35	16	12	16	15	15	25
2	16	32	17	7	5	19	5	10	14
3	14	7	7	4	10	14	4	9	9
4	10	12	13	6	4	8	5	7	8
5	23	22	7	10	20	22	8	17	18
6	49	32	18	57	33	54	66	52	44
7	124	84	73	118	119	125	122	122	109
8	258	143	102	256	264	268	247	259	220
9	284	244	184	289	284	306	296	292	270
10	325	291	218	337	307	336	346	330	309
11	266	446	354	276	295	271	258	273	309
12	250	491	380	260	307	234	244	259	309
13	229	426	312	196	207	236	203	214	258
14	313	345	263	257	279	300	264	285	289
15	448	347	253	470	463	509	487	475	425
16	559	266	193	539	550	521	513	536	449
17	586	208	153	574	573	590	578	580	466
18	541	249	196	516	535	498	508	520	435
19	425	196	150	265	439	269	267	333	287
20	261	106	78	230	246	245	247	246	202
21	199	187	149	200	212	210	210	205	195
22	176	137	95	138	109	122	141	137	131
23	141	130	91	73	65	89	72	88	94
24	102	76	63	29	49	67	31	58	60

7-19	4484	3852	2758	4235	4503	4338	4211	4354	4028
6-22	5244	4188	3152	4921	5180	5040	4351	5065	4663
6-23	5885	4552	3232	5352	5353	5333	5253	5203	4817
0-24	5814	4540	3404	5123	5387	5329	5137	5318	4933



Bognor Regis ATC, A29 Shripney Road (Southern Site)

Channel 2 - Southbound

Average Speed

Week 1

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	39.0	36.8	34.3	33.6	39.7	37.7	34.8
2	38.6	40.0	35.2	33.0	41.0	38.3	33.0
3	37.6	39.4	35.9	36.8	39.5	37.6	38.0
4	36.0	39.7	38.6	41.3	35.5	35.5	39.0
5	38.0	39.6	39.4	36.0	38.4	39.6	36.8
6	41.2	39.0	39.4	39.8	39.2	40.8	40.5
7	35.1	38.4	38.7	34.3	35.3	34.4	34.7
8	34.0	35.2	35.4	33.9	33.9	33.9	34.1
9	34.0	35.7	35.8	34.0	34.0	33.9	34.0
10	33.4	34.5	34.7	33.6	33.0	33.5	33.5
11	34.2	33.4	33.3	33.6	34.0	33.9	33.8
12	32.4	33.0	33.0	31.9	34.4	32.0	32.2
13	33.1	33.8	33.6	34.7	34.6	33.1	34.8
14	33.4	34.7	34.7	35.2	34.8	33.5	34.9
15	35.0	34.7	34.5	35.1	35.1	35.0	35.0
16	33.4	34.6	34.6	33.7	33.5	33.4	33.6
17	34.7	34.3	34.2	34.8	34.6	34.7	34.7
18	35.7	35.2	35.5	35.3	35.5	35.3	35.3
19	35.7	35.4	35.1	33.2	35.8	32.8	32.9
20	36.1	35.6	35.7	35.9	36.0	35.8	35.6
21	35.7	36.6	36.5	35.2	35.5	35.6	35.2
22	35.5	35.4	35.1	32.6	36.2	32.4	32.6
23	34.5	35.9	35.8	35.4	35.1	34.9	36.0
24	37.0	36.4	36.6	36.1	38.3	37.0	36.8

10-12	33.4	33.2	33.1	32.8	34.2	33.0	33.0
13-15	33.5	34.2	34.3	34.2	34.2	33.5	34.1
0-24	34.6	34.8	34.7	34.4	34.8	34.3	34.4

Average	34.8
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Channel 2 - Southbound

85th Percentile

Hr Ending	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
1	43.3	43.3	38.7	38.6	43.2	43.6	38.8
2	43.5	48.3	43.5	33.3	48.2	43.8	33.3
3	43.9	43.2	38.6	43.1	43.3	43.5	43.7
4	43.5	43.5	43.2	43.2	38.8	43.2	43.4
5	48.4	48.2	43.5	38.1	43.1	48.9	38.8
6	48.8	43.6	48.7	43.4	43.5	48.4	48.7
7	43.8	43.4	43.8	44.0	43.8	43.3	43.4
8	38.7	38.9	38.4	38.5	38.8	38.8	43.1
9	38.7	38.5	38.9	38.5	38.3	38.2	38.4
10	39.0	38.2	38.7	39.0	39.0	38.4	38.3
11	38.3	38.7	38.1	38.2	38.8	38.2	38.7
12	38.5	38.7	38.6	38.4	38.7	38.9	38.3
13	38.4	38.6	38.7	38.4	38.9	38.6	38.8
14	38.7	38.8	38.0	38.3	38.9	38.4	38.2
15	38.2	38.2	38.4	38.5	38.4	38.4	38.6
16	38.4	38.8	38.4	38.1	38.1	38.9	39.0
17	38.5	38.2	38.3	38.5	39.0	38.6	38.2
18	38.8	39.0	39.0	39.0	38.8	38.9	38.9
19	38.5	38.1	38.8	38.6	38.7	38.5	38.1
20	38.4	38.1	38.7	43.9	38.4	38.3	39.0
21	38.5	38.8	43.4	38.7	38.0	38.9	38.6
22	43.2	38.4	38.7	38.4	38.2	38.3	38.6
23	38.6	38.5	38.3	38.7	38.2	38.3	43.9
24	43.5	43.1	43.4	43.1	43.5	38.2	43.6

10-12	38.7	38.1	38.4	38.8	38.4	38.3	38.2
13-15	38.2	38.2	38.3	38.7	38.1	38.3	38.3
0-24	38.4	38.0	38.1	38.5	38.3	38.7	38.1

85th %ile	38.3
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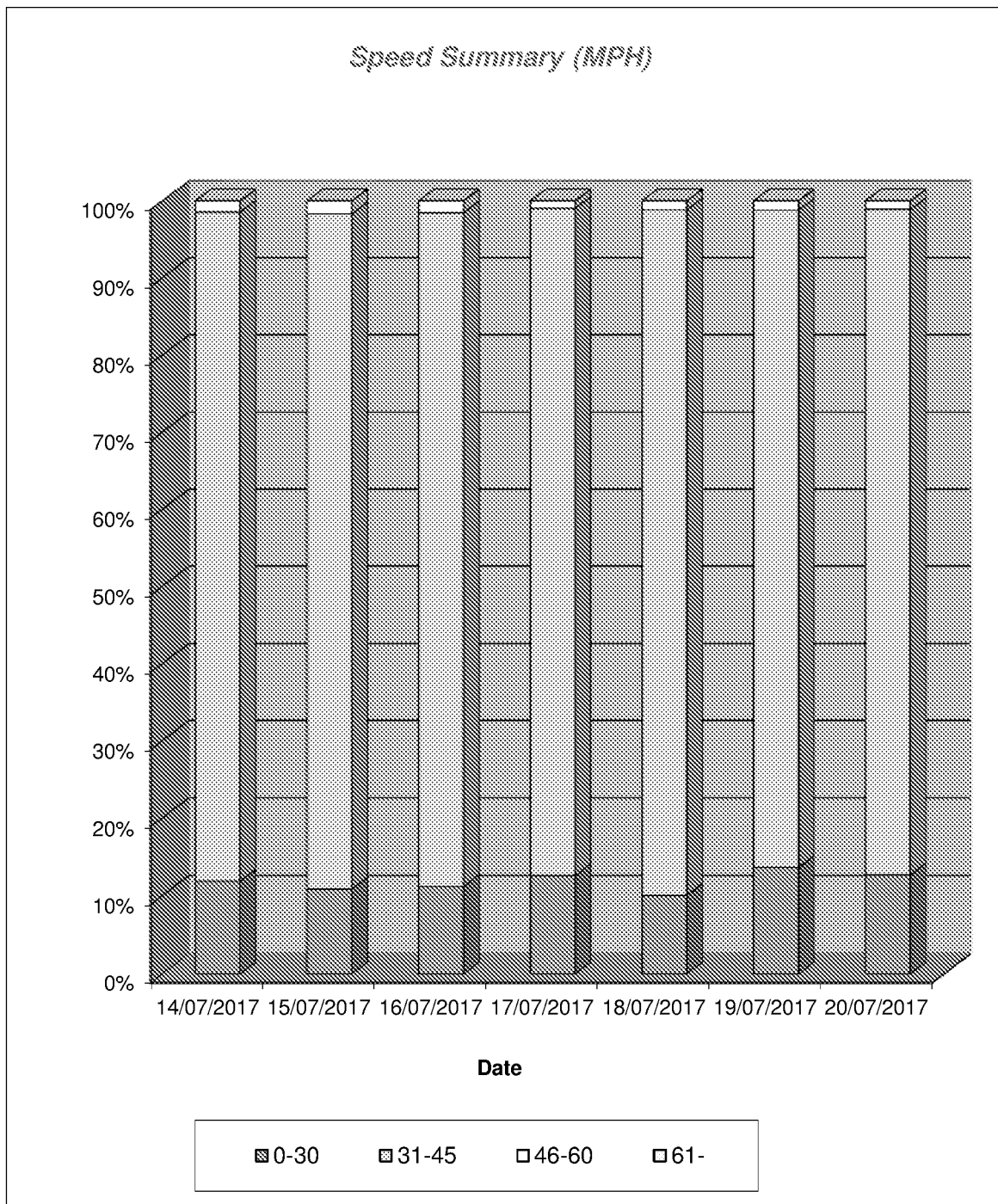
Bognor Regis ATC, A29 Shripney Road (Southern Site)

Channel 2 - Southbound

Speed Summary

Week 1

Speed (MPH)	14/07/2017 Friday	15/07/2017 Saturday	16/07/2017 Sunday	17/07/2017 Monday	18/07/2017 Tuesday	19/07/2017 Wednesday	20/07/2017 Thursday
0-30	666	493	381	645	542	727	651
31-45	4868	3971	2971	4430	4783	4538	4429
46-60	80	76	52	48	62	64	57
61-	0	0	0	0	0	0	0
TOTAL	5614	4540	3404	5123	5387	5329	5137



Bognor Regis ATC, A29 Shripney Road (Southern Site)

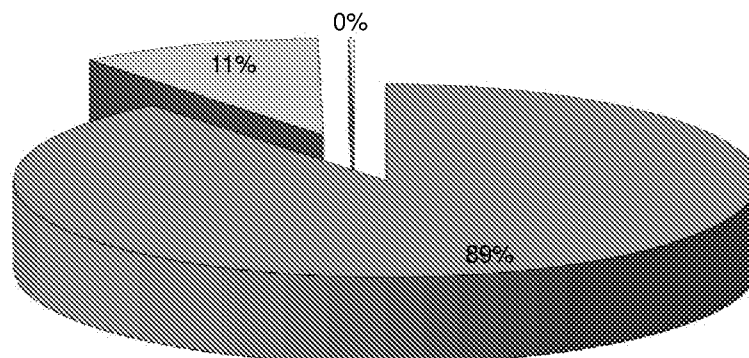
Channel 2 - Southbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
14/07/2017				
7-19	5030	541	13	4484
6-22	4522	603	14	5244
6-24	4535	517	15	5437
0-24	4960	637	17	5614
15/07/2017				
7-19	3364	263	5	3652
6-22	3653	297	6	4166
6-24	3751	308	6	4372
0-24	4223	310	7	4540
16/07/2017				
7-19	2545	210	3	2758
6-22	2914	235	4	3153
6-24	3032	251	4	3387
0-24	3146	253	5	3404
17/07/2017				
7-19	3699	527	9	4235
6-22	4313	588	10	4921
6-24	4332	619	11	5023
0-24	4493	618	12	5123
18/07/2017				
7-19	3948	545	12	4503
6-22	4552	615	12	5189
6-24	4572	619	12	5303
0-24	4743	631	13	5387
19/07/2017				
7-19	3824	502	12	4338
6-22	4431	556	13	5040
6-24	4611	571	14	5196
0-24	4722	590	17	5329
20/07/2017				
7-19	3683	518	10	4211
6-22	4331	589	11	4931
6-24	4332	583	12	5034
0-24	4514	611	12	5137
Average				
7-19	3573	444	9	4026
6-22	4132	501	10	4653
6-24	4332	583	11	4817
0-24	4400	521	12	4933

Total Vehicle Class Distribution

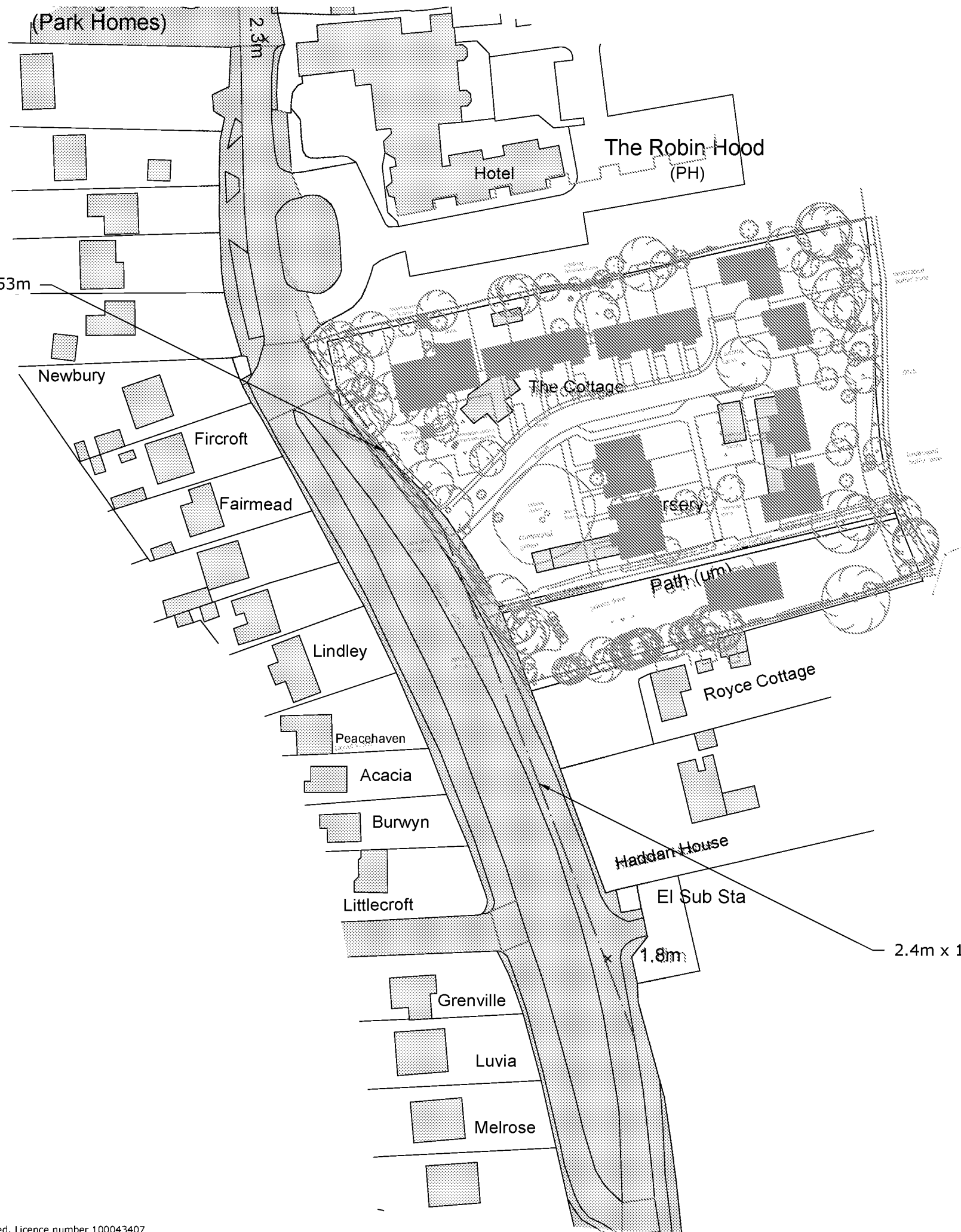


Appendix C

Visibility and Access Arrangements



Required 2.4m x 53m



motion

84 North Street
Guildford
Surrey
GU1 4AU

T: 01483 531 300

Golden Cross House
8 Duncannon Street
London
WC2N 4JF

T: 020 7031 8141

www.motion.co.uk

Project:
Shripney Road, Bognor Regis

Title:
Site Visibility

Scale: 1:1000 (@ A3)

Drawing:
160818-04

Revision:
A