

Hamble-le- Rice Parish Council
PLANNING COMMITTEE MEETING
Monday 23rd September 2019 at 7.00pm
at The Mercury Library & Community Hub, High Street, Hamble SO31 4JE
This meeting is open to members of the public.

AGENDA

1. **Welcome**
 - a. Apologies for absence
 - b. Declaration of interest and approved dispensations
 - c. Approve minutes
2. **Public Session**
3. **GE Aviation Update**
4. **Land at Satchell Lane – Judicial Review Decision**
5. **Eastleigh Borough Council Local Plan: Examination Hearing Sessions**
6. **Policy 156: Open Space**
7. **England Coastal Path: Submission**
8. **Signage Project**
9. **Hamble Lane: Traffic Survey**
10. **Note Delegated Authority Decisions Made Over Summer Recess**

APPLICATIONS WITHIN HAMBLE PARISH

11. **F/19/85302 -Land off the B397, Hound, Hampshire, SO31 5FT**
Installation of battery standby energy facility consisting of 13No. structures within a compound surrounded by 2.4 metre high security fence.
Consultation Ends: 18/09/2019 (extension granted for PC comments)
12. **H/19/86231 - 27 OLD PRIORY CLOSE, HAMBLE, SO31 4QP**
Single storey rear and side extension.
Consultation Ended: 12/09/2019 (extension granted for PC comments)
13. **L/19/86285 & F/19/86236 - FLAT 11, HAMBLE CLIFF HOUSE, WESTFIELD COMMON, HAMBLE, SO31 4HY**
Addition of kitchen extraction flue to rear of roof parapet and internal alterations.
Consultation Ends: 28/09/2019

DECISIONS

14. **H/19/85658 – 28 Old Priory Close, Hamble, SO31 4QP**
Lawful Development Certificate - Existing Use as Private storage of boats and equipment.
DECISION: 10/07/19 - Permit (Delegated Decision)
15. **H/19/85789 – 110 Hamble Lane, Hamble, SO31 4HT**
Demolition of existing garage, erection of new double garage and store building.
DECISION: 30/07/19 - Permit (Delegated Decision)
16. **T/19/85895 - 24 BARTON DRIVE, HAMBLE, SO31 4RE**
Sycamore (G1) - Reduce overhang back to boundary to suitable growth points 1 no.
Sycamore (T1) - Fell and replace with suitable species.
DECISION: 05/08/19 - Part Consent Part Refuse Trees (Delegated Decision)
17. **LDC/19/85841 - 26 CROWSPORT, HAMBLE, SO31 4HG**
Lawful Development Certificate for an existing use: Existing Terrace to be used as Terrace.
DECISION: 07/08/19 - CLUED - Certificate Not Issued Delegated Decision

18. **H/19/85917 - 28 BARON ROAD, HAMBLE, SO31 4RN**
Single storey side extension/ rear garden flat roof extension to provide accessible bedroom with internal alterations forming wetroom.
DECISION: 09/08/19 - Permit (Delegated Decision)
19. **H/19/85957 - 54 COACH ROAD, HAMBLE, SO31 4LA**
Single storey extension to side.
DECISION: 09/08/19 - Permit (Delegated Decision)
20. **H/19/85079 - 9 KINGFISHER CLOSE, HAMBLE, SO31 4PE**
Raise roof ridge to provide second floor living accommodation with associated rear dormer, extension of first floor rear balcony and alterations to fenestration to south elevation.
DECISION: 12/08/19 - Permit (Delegated Decision)
21. **T/19/86006 - 29 OLD PRIORY CLOSE, HAMBLE, SO31 4QP**
Proposal1 no. Horse Chestnut (T1) - Fell.
DECISION: 16/08/2019 - Consent To Tree Works For (Delegated Decision)
22. **H/19/86060 - 44 BARTON DRIVE, HAMBLE, SO31 4RE**
Erection of a car port.
DECISION: 21/08/2019 - Permit (Delegated Decision)
23. **NC/19/86118 - ORCHARD LODGE, SCHOOL LANE, HAMBLE, SO31 4JD**
1 no. Holly (T1) - Crown lift to give a 1.5 metre clearance over the garage. Reduce the lateral growth only on Orchard Lodge property side by up to 1.5 metres.
DECISION: 27/08/2019 - Raise No Objection To
24. **F/19/85997 - South Point 3 (SP3), Hamble Lane, Hamble, SO31 4NH**
Siting of water treatment plant and enclosure within existing site.
DECISION: 28/08/19 - Permit (Delegated Decision)
25. **T/19/86124 - 4 SYLVAN LANE, HAMBLE, SO31 4QG**
1 no. Holm Oak - reduce lateral growth away from property by 2.5m and reduce canopy height by 4m.
DECISION: 02/09/2019 - Part Consent Part Refuse Trees (Delegated Decision)
26. **H/19/86074 - 9 WESTFIELD COMMON, HAMBLE, SO31 4LB**
Single story side extension in replacement of existing garage.
DECISION: 11/09/2019 - Permit (Delegated Decision)
27. **LDC/19/86058 - Barncroft, Corner, Hamble, SO31 4RZ**
Lawful Development Certificate - Existing Use as Private storage of boats and equipment.
DECISION: 13/09/2019 - CLUED - Certificate Not Issued

Exempt Business - To consider passing a resolution under Section 100A(4) of the Local Government Act 1972 in respect of the following items of business on the grounds that it is likely to involve the disclosure of exempt information as defined in paragraph 3 of Part 1 of Schedule 12A of the Act.
28. **Well Lane**
29. **Enforcement Cases**

Dated: 17th September 2019

Signed: *Amanda Jobling*, Clerk to Hamble Parish Council#

UPCOMING PARISH COUNCIL MEETINGS (subject to being agreed by Council on 13th May)

Full Council – Monday 14th October, 7pm at The Mercury

Planning Committee – Monday 28th October, 7pm at The Mercury

Asset Management Committee – Tuesday 5th November, 8.30am at The Mercury

Full Council – Monday 11th November, 7pm at The Mercury

Planning Committee – Monday 25th November, 7pm at The Mercury

OTHER UPCOMING PUBLIC MEETINGS**Local Area Committee Meetings**

Thursday 26th September, 6pm at Hamble Primary School

**Minutes of the Planning Committee held on Monday 22nd July 2019 at The Mercury
Library and Community Hub, High Street, Hamble at 7PM**

PRESENT:

Cllr I Underdown (Chair)
Cllr J Dajka (arrived 19.08)
Cllr T Dann
Cllr J Nesbit-Bell
Cllr T Ryan
Cllr A Thompson

Cllr Simon Hand also present

Minutes are reference using the following notation the date followed by the item number. The minute prefix is 22.07.19 -

IN ATTENDANCE:

Clerk

Members of the public:

None

1a. Apologies for Absence

Cllr Rolfe

1b. Declarations of interest and approved dispensations

Cllr Underdown - Foreshore and Dinghy Park

1c. Approve Minutes of the Planning Committee held on 24th June 2019

Proposed Cllr Thompson Seconded Cllr Ryan

A couple of minor changes had been made and highlighted. It was resolved that the minutes of the above meeting be accepted as a true record. The minutes were then signed by the Chair.

2. Public Session

None

3. Correspondence regarding Cycle Ways

The Clerk was asked to update the Planning Committee on resolving the issue of cyclists riding over Hamble Halt Bridge causing potential problems for residents that have a shared drive out onto Hamble Lane. The Clerk confirmed that HCC would be replacing the missing signs and reviewing the location.

Members commented on the correspondence received about the cycleway and in particular the fact that scooters weren't entitled to use it. Also voiced concerns about the condition of the cycle way and the need for improvements. The Clerk confirmed that the letter had been submitted to HCC team that is responsible for cycleways.

4. GE Application Update

The Clerk confirmed that both the Chair of Planning and Council have been listed to speak at Thursday's meeting of the Local Area Committee at Pilands Wood. Members raised concerns about the confusion over venues and the time of the meeting which was earlier than parish meetings and could preclude those working from attending.

Currently speakers are likely to be allowed two and half minutes. The Chair asked that Members do not opt to speak without first being briefed on the Councils position.

Signed: _____

Date: _____

Page 1 of 3

5. Traffic Survey

Clerk highlighted the current issues with the report and the need for more information about comparators across Hampshire. When further information is available it will be circulated and included on the Planning Committee Agenda in September

6. England Coastal Footpath

Chair highlighted the previous responses that the Council had made and the objection that HPC has made to the use of the Pink Ferry as the crossing point rather than the first bridge crossing which is a discretionary option available to Natural England. HPC have objected to the Ferry being part of the designated route due to the fixed hours of operation which could limit people's ability to cross when the Ferry is not in service. Chair also highlighted the revised diversion at Hamble Point/Common which is due to wet ground conditions on the existing line. There were also concerns about the area of restriction off of the Foreshore at the public hard. Not clear why has been highlighted as it is part of the beach with public access.

Further consideration needs to be given to whether we raise a formal objection to the proposals given we are landowners and a statutory consultee or we just make representations. If we object, we will need to attend the public hearing. Agreed that the Clerk and Chair would draft a response for submission.

7. Signage Working Group Feedback

Cllr Thompson outlined the work carried out so far, but what now needs to be done to rationalise and improve the signage. Suggested that we seek advice about how to achieve this and accept the recommendations in the report including liaison with businesses and brown sign users. Group to report back in due course.

APPLICATIONS WITHIN THE PARISH

8. H/19/85079 - 9 KINGFISHER CLOSE, HAMBLE, SO31 4P

Raise roof to provide second floor living accommodation with associated rear dormer, extension of first floor rear balcony. (Amended plans from original application of 01/03/2019).

Object. Despite the revisions to the application the Committee still felt that the second floor due to its siting, design, massing and scale, would create an unattractive and incongruous feature at odds with the appearance of the house and neighbouring properties and detrimental to the character and pattern of development within the locality.

Proposed Cllr Dajka Seconded Cllr Thompson

9. H/19/85917 - 28 BARON ROAD, HAMBLE, SO31 4RN

Single storey side extension/ rear garden flat roof extension to provide accessible bedroom with internal alterations forming wetroom.

Object. This remains a large side extension that will be very visual from the street and will compromise the design of the surrounding properties and the visual integrity of the estate.

Proposed Cllr Dajka Seconded Cllr Thompson

10. F/19/85990 - Mercury Marina Satchell Lane, Hamble, SO31 4HQ

Upgrading and improvement of existing access road and new soft landscaping (re-submission of F/16/78751).

Comment. Committee welcomed the improvements but wanted to be certain that they were delivered in a timely fashion.

Proposed Cllr Ryan Seconded Cllr Dann

11. H/19/85957 - 54 COACH ROAD, HAMBLE, SO31 4LA

Single storey extension to side.

Support – Sympathetic to other extensions in the location.

Proposed Cllr Thompson Seconded Cllr Dajka

12. F/19/85997 - South Point 3 (SP3), Hamble Lane, Hamble, SO31 4NH

Siting of water treatment plant and enclosure within existing site.

Support. No visually intrusive from outside of the plant.

Proposed Cllr Thompson Seconded Cllr Ryan

13. T/19/85895 - 24 BARTON DRIVE, HAMBLE, SO31 4RE

*Sycamore (G1) - Reduce overhang back to boundary to suitable growth points
1 no. Sycamore (T1) - Fell and replace with suitable species.*

Object. The absence of photographic material and expert advice on the condition of the respective trees means that the Council object until the further information is available.

Proposed Cllr Thompson Seconded Cllr Ryan

DECISIONS

14 – 15 The outcome of the applications listed were noted.

EXEMPT BUSINESS

Proposed Cllr Underdown Seconded Cllr Thompson

It was resolved due to the nature of the business to exclude members of the public and press and move into Exempt Business.

The following matters were discussed (16) Approve Exempt Minutes for May and (17) Enforcement Cases.

The meeting finished at 20.18pm.

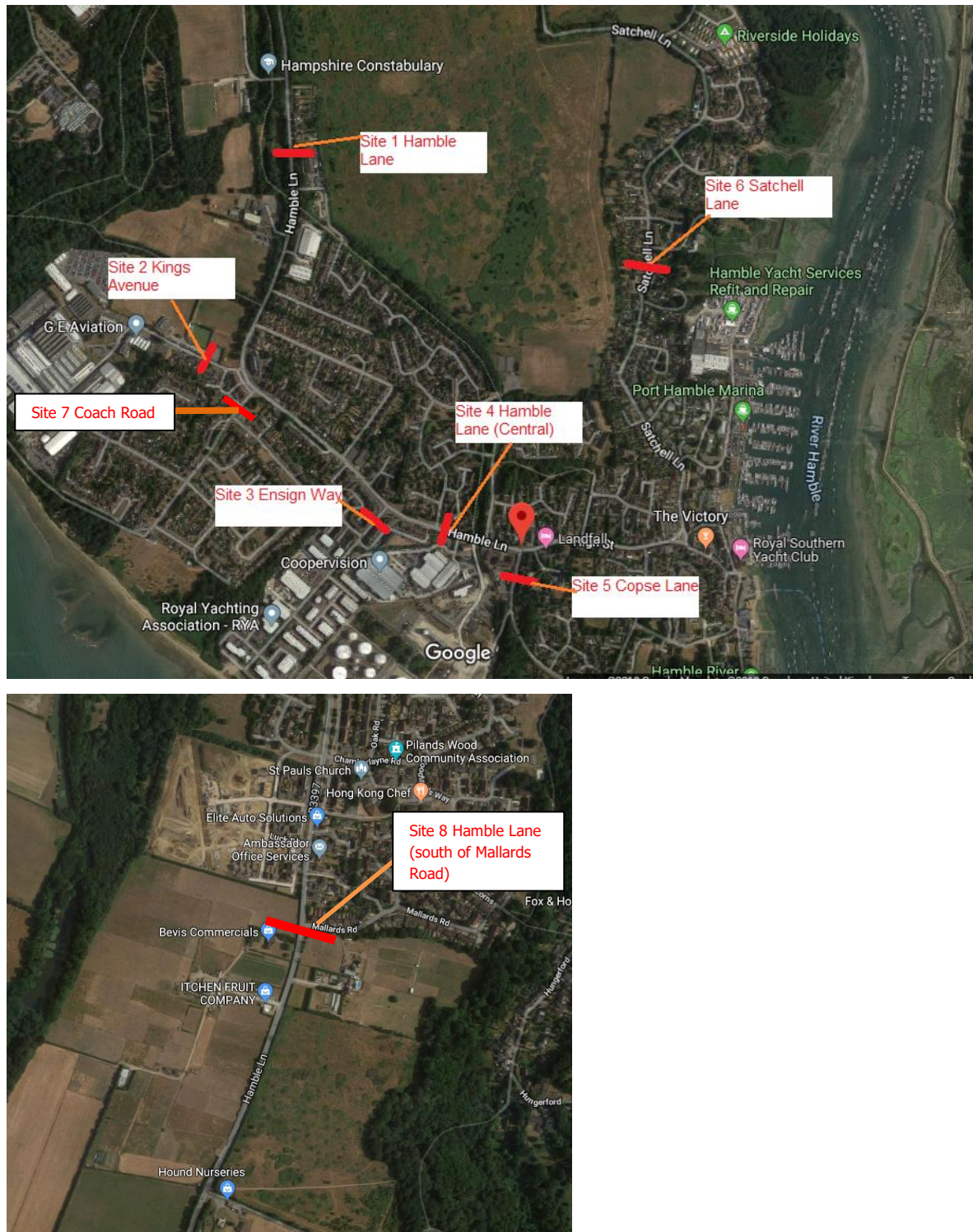
TN04 Rev A: ATC Traffic Survey - Summary

Project:	Hamble Traffic Study	Office:	Southampton
Project No:	A111484	Prepared by:	JS
Client:	Hamble Parish Council	Approved by:	MA
Date:	September 2019	Status:	For Information
Subject:	TN04 ATC Traffic Survey - Summary		

1 Brief

- 1.1 WYG have been commissioned by Hamble Parish Council to undertake several surveys within the Hamble area to record traffic movements and carriageway speeds. This Technical Note summarises the findings of the surveys which are for the following locations:
- Site 1 Hamble Lane;
 - Site 2 Kings Avenue;
 - Site 3 Ensign Way;
 - Site 4 Hamble Lane (Central);
 - Site 5 Copse Lane;
 - Site 6 Satchell Lane;
 - Site 7 Coach Road; and
 - Site 8: Hamble Lane (south of Mallards Road).
- 1.2 WYG commissioned Automatic Traffic Count (ATC) surveys from Friday 10th May – Thursday 23rd May 2019. This was undertaken by a specialist independent survey company and involved placing two rubber tubes across the carriageway which are linked to a recording box.
- 1.3 The locations of the eight ATCs are shown on **Figure 1.1**.

Figure 1.1 Location of Survey Adjacent to Allotments on Hamble Lane



- 1.4 From this, the total traffic flows across the week were recorded, along with the composition of traffic (e.g. the split of cars/buses/HGVs etc), and average and 85th percentile speeds (i.e. the speed below which 85% of traffic was travelling).

Local Network Flow Diagrams

- 1.5 An overview of the two-way traffic flows for the AM, PM peaks, an average weekday and Annual Average Daily Traffic (AADT) flows at each of the ATC locations is shown in **Figures 1.2-1.5** below.

Figure 1.2 AM Peak Network Flows



Figure 1.3 PM Peak Network Flows

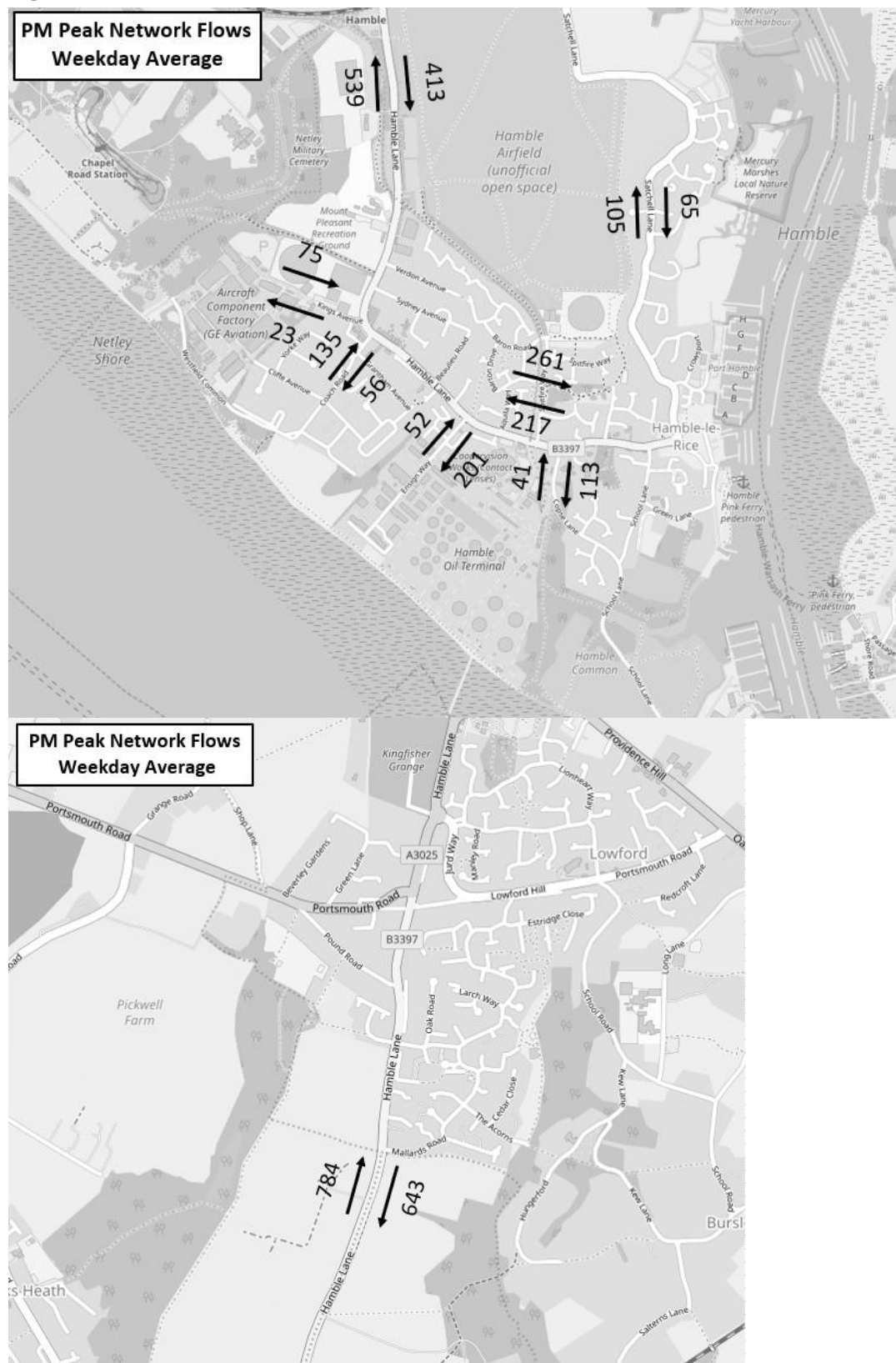


Figure 1.4 Daily (24hr) Network Flows

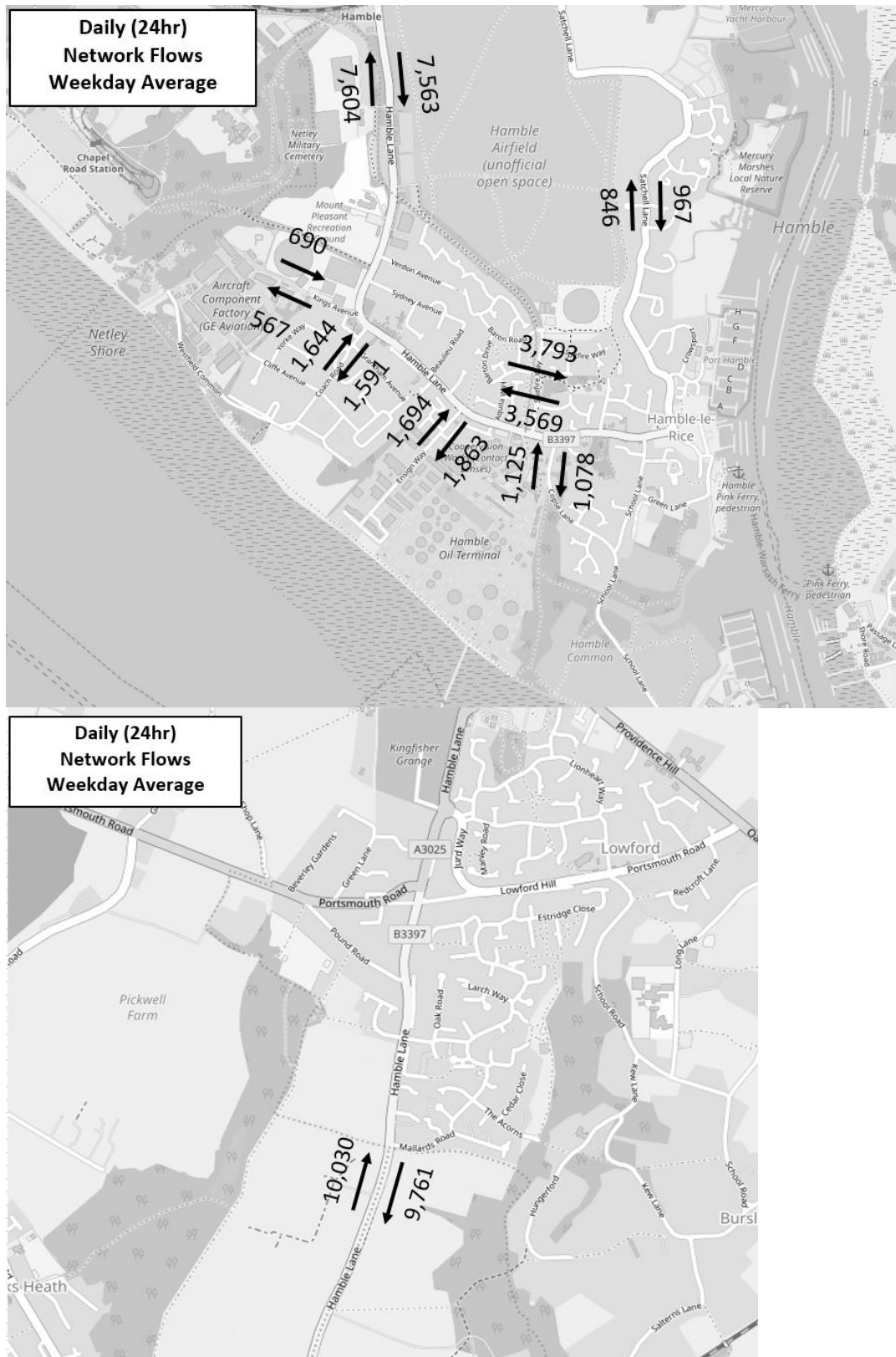


Figure 1.5 Annual Average Daily Traffic (AADT) Network Flows



- 1.6 A larger scale version of the above **Figures 1.1-1.5** is included in **Appendix A**. The following section provides further detail of the existing traffic conditions at each of the ATC locations shown above, including a 14-day average traffic profile, weekday average traffic profile and average traffic speeds.

2 Traffic Profile

ATC Location 1 – Hamble Lane

- 2.1 **Figure 2.1** below shows the location of the ATC on Hamble Lane.

Figure 2.1 Location of Survey Adjacent to Allotments on Hamble Lane



14 Day average

- 2.2 The typical weekday profiles are shown in **Figures 2.2** and **2.3**.

Figure 2.2 Northbound Traffic Flows

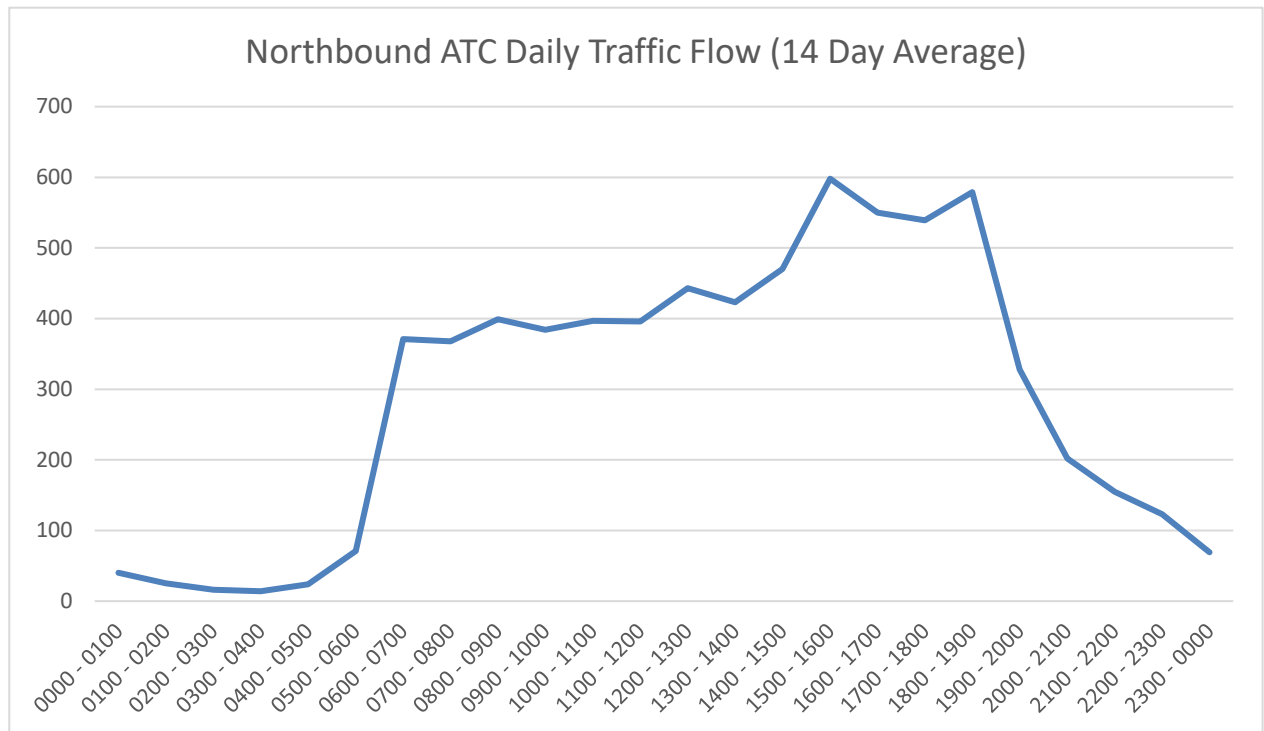
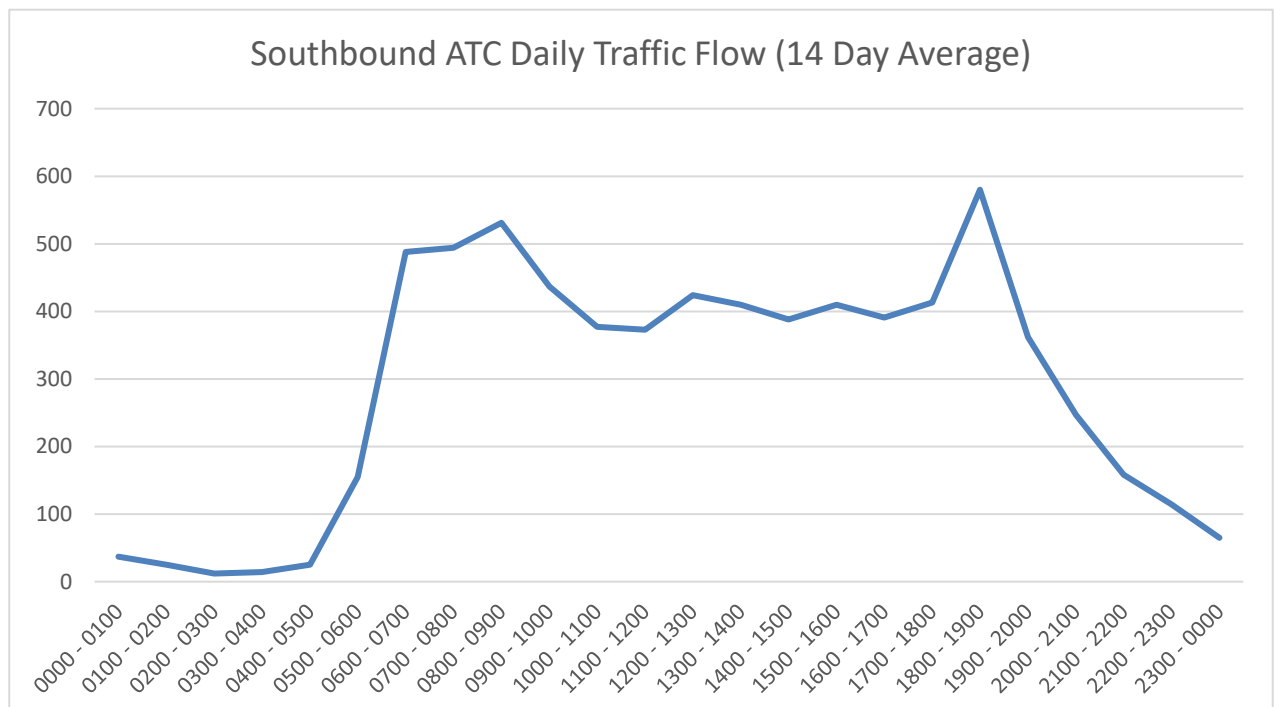


Figure 2.3 Southbound Traffic Flows



2.3 A summary of the daily traffic flows for the two weeks is shown in **Table 2.1**.

Table 2.1 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	40	37	77
0100 – 0200	25	25	50
0200 – 0300	16	12	28
0300 – 0400	14	14	28
0400 – 0500	24	25	49
0500 – 0600	71	155	226
0600 – 0700	371	488	859
0700 – 0800	368	494	862
0800 – 0900	399	531	930
0900 – 1000	384	437	821
1000 – 1100	397	377	774
1100 – 1200	396	373	769
1200 – 1300	443	424	867
1300 – 1400	423	410	833
1400 – 1500	470	388	858
1500 – 1600	598	410	1008
1600 – 1700	550	391	941
1700 – 1800	539	413	952
1800 – 1900	579	580	1159
1900 – 2000	328	362	690
2000 – 2100	202	247	449
2100 – 2200	155	158	313
2200 – 2300	123	114	237
2300 – 0000	69	65	134
0700 – 1900	5544	5226	10770
0600 – 2200	6599	6480	13079
0600 – 0000	6791	6659	13450
0000 – 0000	6980	6927	13907

2.4 The data shows that typical two-way flows in the peak hours are in the order of 950 vehicles, and daily two-way flows are around 14,000 vehicles.

2.5 Traffic speeds are summarised in **Table 2.2**.

Table 2.2 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	31.2	36.3
Southbound	30.8	34.4

2.6 Average speeds are in the order of 30 - 31mph, and 85% of drivers are typically doing under 34-36mph.

Weekday average

2.7 The typical weekday profiles are shown in **Figures 2.4** and **2.5**.

Figure 2.4 Northbound Traffic Flows

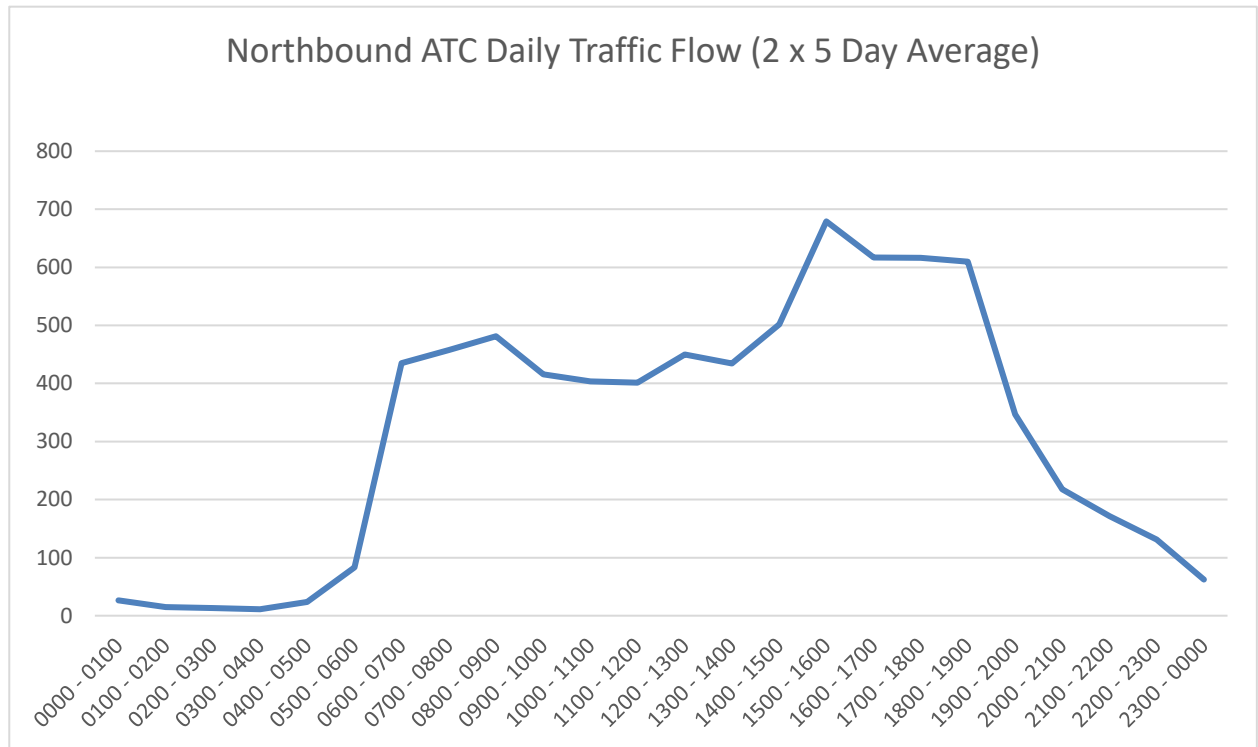
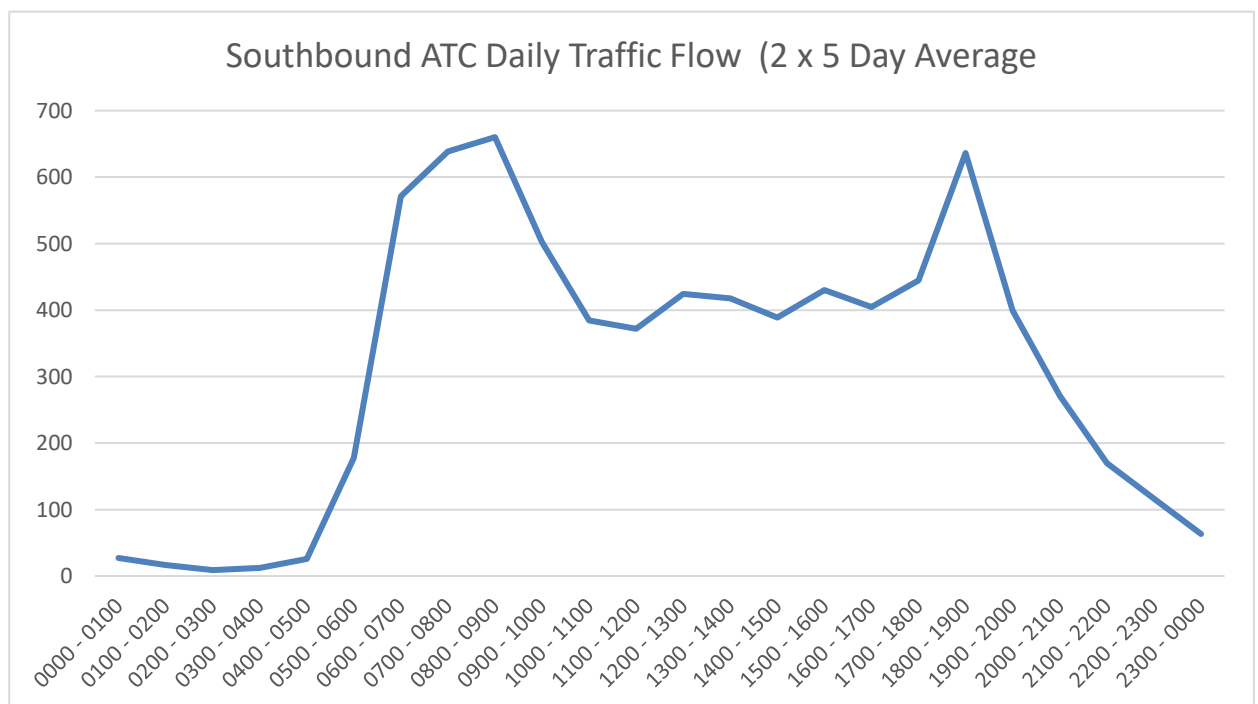


Figure 2.5 Southbound Traffic Flows



2.8 A summary of the daily traffic flows for the two weeks is shown in **Table 2.3**.

Table 2.3 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	27	27	54
0100 – 0200	15	17	32
0200 – 0300	13	9	22
0300 – 0400	11	12	23
0400 – 0500	24	26	50
0500 – 0600	83	178	261
0600 – 0700	435	571	1006
0700 – 0800	457	639	1096
0800 – 0900	481	660	1141
0900 – 1000	416	502	918
1000 – 1100	403	385	788
1100 – 1200	402	372	774
1200 – 1300	450	424	874
1300 – 1400	435	418	853
1400 – 1500	502	389	891
1500 – 1600	679	430	1109
1600 – 1700	617	405	1022
1700 – 1800	616	445	1061
1800 – 1900	610	636	1246
1900 – 2000	347	400	747
2000 – 2100	218	271	489
2100 – 2200	172	170	342
2200 – 2300	131	116	247
2300 – 0000	62	63	125
0700 – 1900	6067	5703	11770
0600 – 2200	7239	7114	14353
0600 – 0000	7432	7294	14726
0000 – 0000	7604	7563	15167

2.9 The data shows that typical two-way flows in the peak hours are in the order of 1100 vehicles, and daily two-way flows are around 14,000 vehicles.

2.10 Traffic speeds are summarised in **Table 2.4**.

Table 2.4 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	31.2	36.3
Southbound	30.8	34.4

2.11 Average speeds are in the order of 30 - 31mph, and 85% of drivers are typically doing 34 - 36mph or below.

Annual Average Daily Traffic (AADT)

- 2.12 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.5** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT data.

Table 2.5 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Traffic (AADT)
Northbound	6,961
Southbound	6,908
Total	13,869

- 2.13 Annual Average Daily Traffic (AADT) flows have been estimated at 6,961 travelling northbound and 6,908 travelling southbound, equating to two-way AADT flows of 13,869.

ATC Location 2 – Kings Avenue

2.14 **Figure 2.6** below shows the location of the ATC on Kings Avenue.

Figure 2.6 Location of Survey on Kings Avenue



14 Day average

2.15 The typical weekday profiles are shown in **Figures 2.7** and **2.8**.

Figure 2.7 Eastbound Traffic Flows

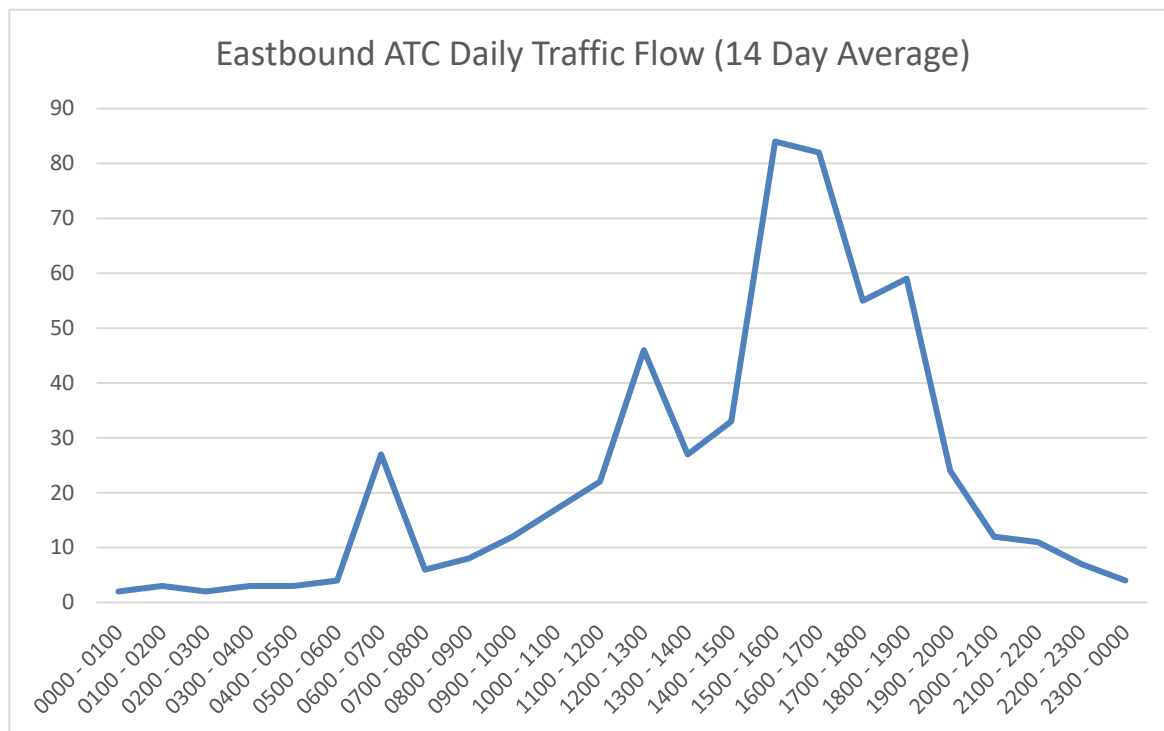
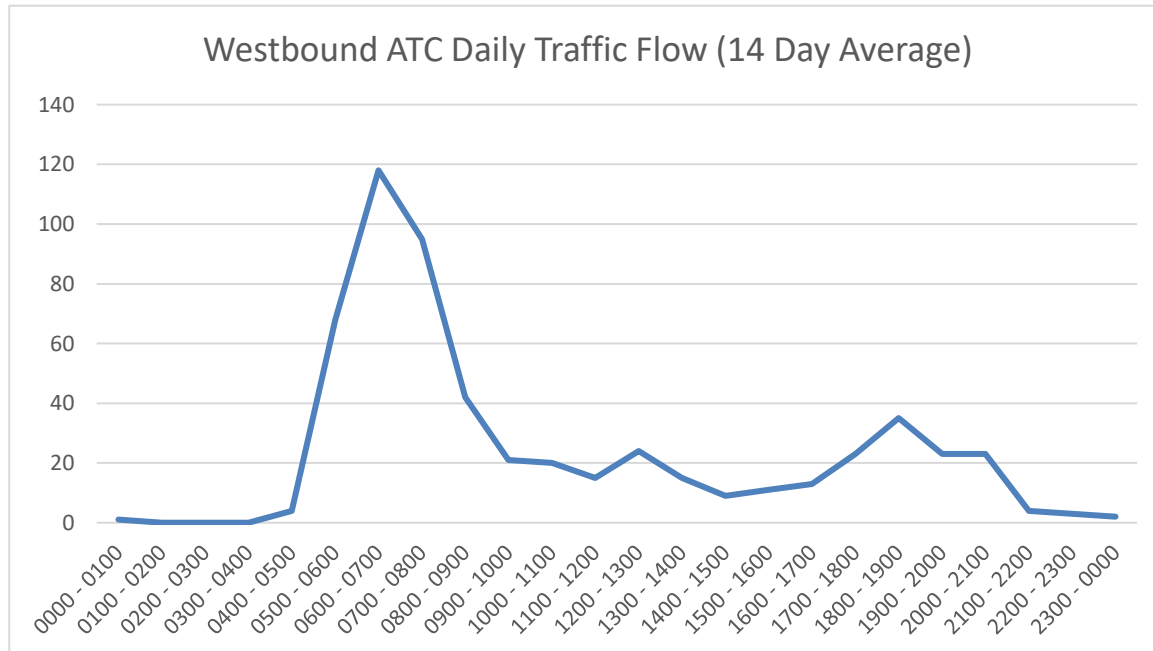


Figure 2.8 Westbound Traffic Flows



2.16 A summary of the daily traffic flows for the two weeks is shown in **Table 2.5**.

Table 2.6 Summary of Daily Traffic Flows

Time	Eastbound Flow (All Vehicles)	Westbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	2	1	3
0100 – 0200	3	0	3
0200 – 0300	2	0	2
0300 – 0400	3	0	3
0400 – 0500	3	4	7
0500 – 0600	4	68	72
0600 – 0700	27	118	145
0700 – 0800	6	95	101
0800 – 0900	8	42	50
0900 – 1000	12	21	33
1000 – 1100	17	20	37
1100 – 1200	22	15	37
1200 – 1300	46	24	70
1300 – 1400	27	15	42
1400 – 1500	33	9	42
1500 – 1600	84	11	95
1600 – 1700	82	13	95
1700 – 1800	55	23	78
1800 – 1900	59	35	94
1900 – 2000	24	23	47
2000 – 2100	12	23	35
2100 – 2200	11	4	15
2200 – 2300	7	3	10
2300 – 0000	4	2	6
0700 – 1900	451	323	774
0600 – 2200	525	490	1015
0600 – 0000	537	494	1031
0000 – 0000	554	567	1121

2.17 The data shows that typical two-way flows in the peak hours are in the order of 50 - 80 vehicles, and daily two-way flows are around 1,100 vehicles.

2.18 Traffic speeds are summarised in **Table 2.6**.

Table 2.7 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Eastbound	22.4	18.2
Westbound	21.9	18.0

2.19 Average speeds are in the order of 22mph, and 85% of drivers are typically doing 18mph or below.

Weekday average

2.20 The typical weekday profiles are shown in **Figures 2.9** and **2.10**.

Figure 2.9 Eastbound Traffic Flows

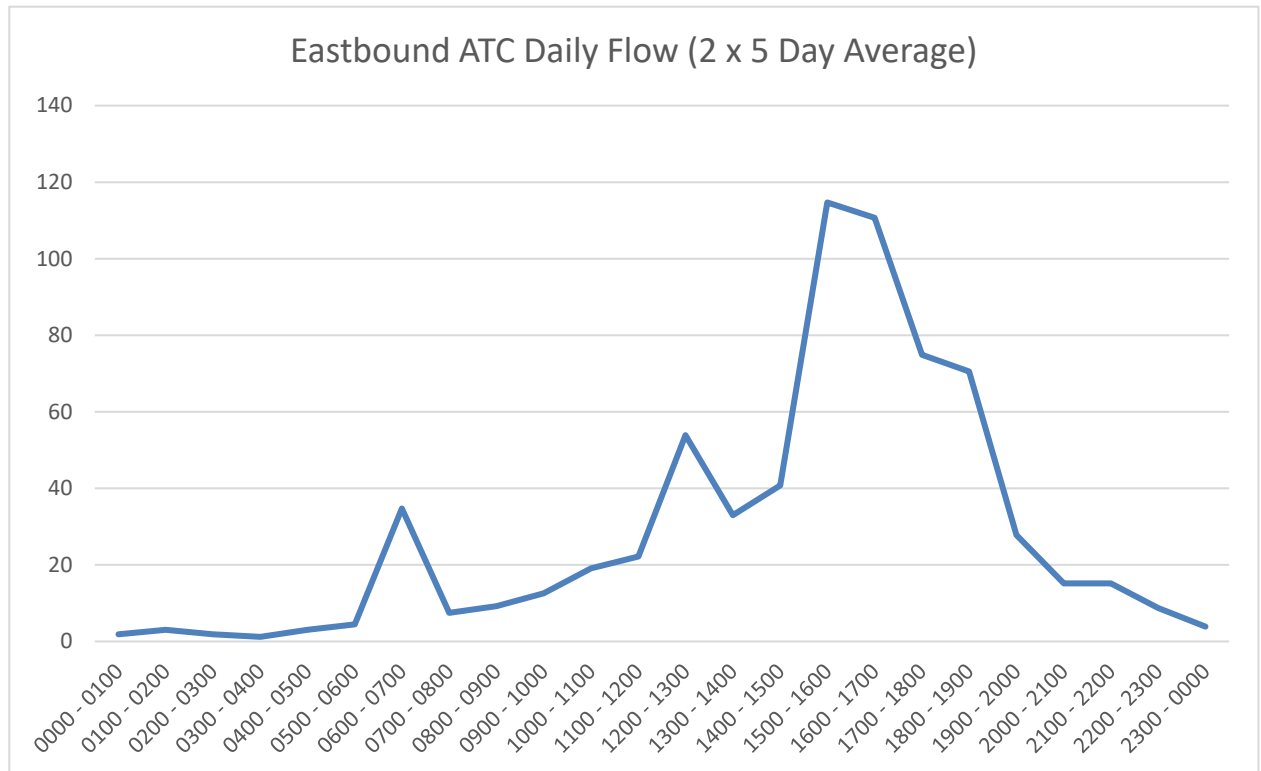
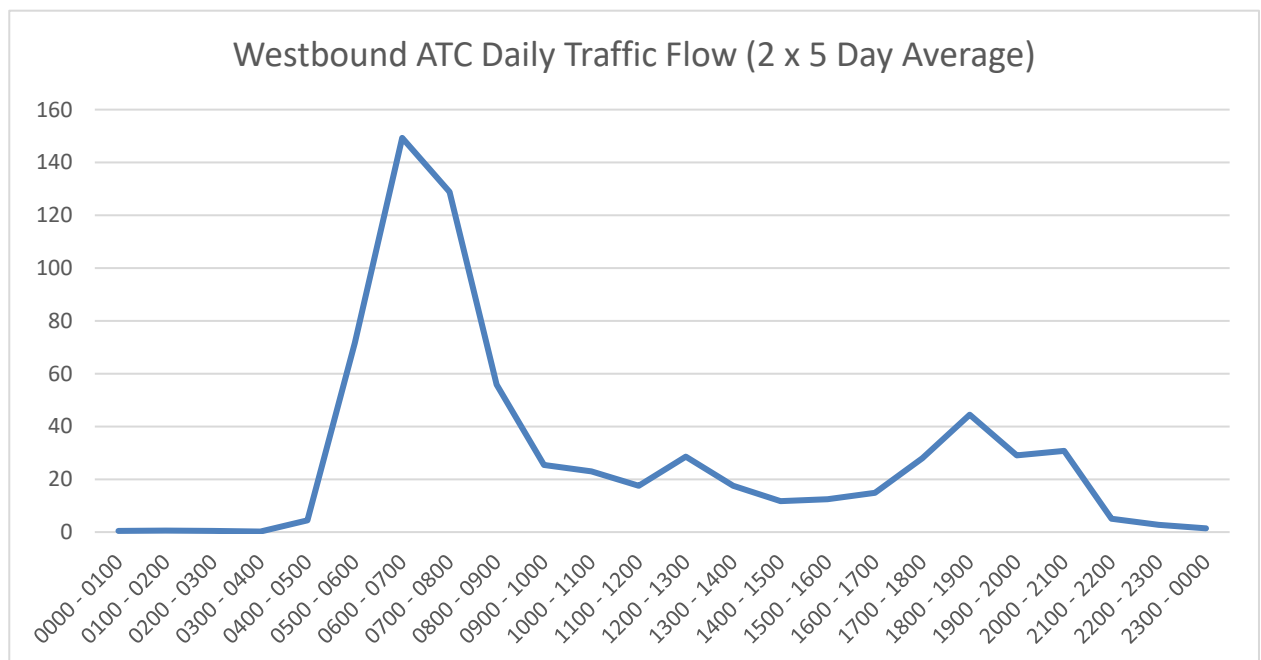


Figure 2.10 Westbound Traffic Flows



2.21 A summary of the daily traffic flows for the two weeks is shown in **Table 2.7**.

Table 2.8 Summary of Daily Traffic Flows

Time	Eastbound Flow (All Vehicles)	Westbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	2	1	3
0100 – 0200	3	0	3
0200 – 0300	2	0	2
0300 – 0400	1	0	1
0400 – 0500	3	4	7
0500 – 0600	5	68	73
0600 – 0700	35	118	153
0700 – 0800	8	95	103
0800 – 0900	9	42	51
0900 – 1000	13	21	34
1000 – 1100	19	20	39
1100 – 1200	22	15	37
1200 – 1300	54	24	78
1300 – 1400	33	15	48
1400 – 1500	41	9	50
1500 – 1600	115	11	126
1600 – 1700	111	13	124
1700 – 1800	75	23	98
1800 – 1900	71	35	106
1900 – 2000	28	23	51
2000 – 2100	15	23	38
2100 – 2200	15	4	19
2200 – 2300	9	3	12
2300 – 0000	4	2	6
0700 – 1900	569	323	892
0600 – 2200	662	490	1152
0600 – 0000	675	494	1169
0000 – 0000	690	567	1257

2.22 The data shows that typical two-way flows in the peak hours are in the order of around 50 vehicles in the AM vehicles peak and 100 in the PM, and daily two-way flows are around 1,200 vehicles.

2.23 Traffic speeds are summarised in **Table 2.8**.

Table 2.9 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Eastbound	18.2	22.4
Westbound	18	21.9

2.24 Average speeds are in the order of around 18mph, and 85% of drivers are typically doing 21 - 22mph or below.

Annual Average Daily Traffic (AADT)

- 2.25 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.10** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.10 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Traffic (AADT)
Eastbound	552
Westbound	566
Total	1,118

- 2.26 Annual Average Daily Traffic (AADT) flows have been estimated at 552 travelling northbound and 566 travelling southbound, equating to two-way AADT flows of 1,118.

ATC Location 3 – Ensign Way

2.27 **Figure 2.11** below shows the location of the ATC.

Figure 2.11 Location of Survey on Ensign Way



14 Day average

2.28 The typical weekday profiles are shown in **Figures 2.12** and **2.13**.

Figure 2.12 Northbound Traffic Flows

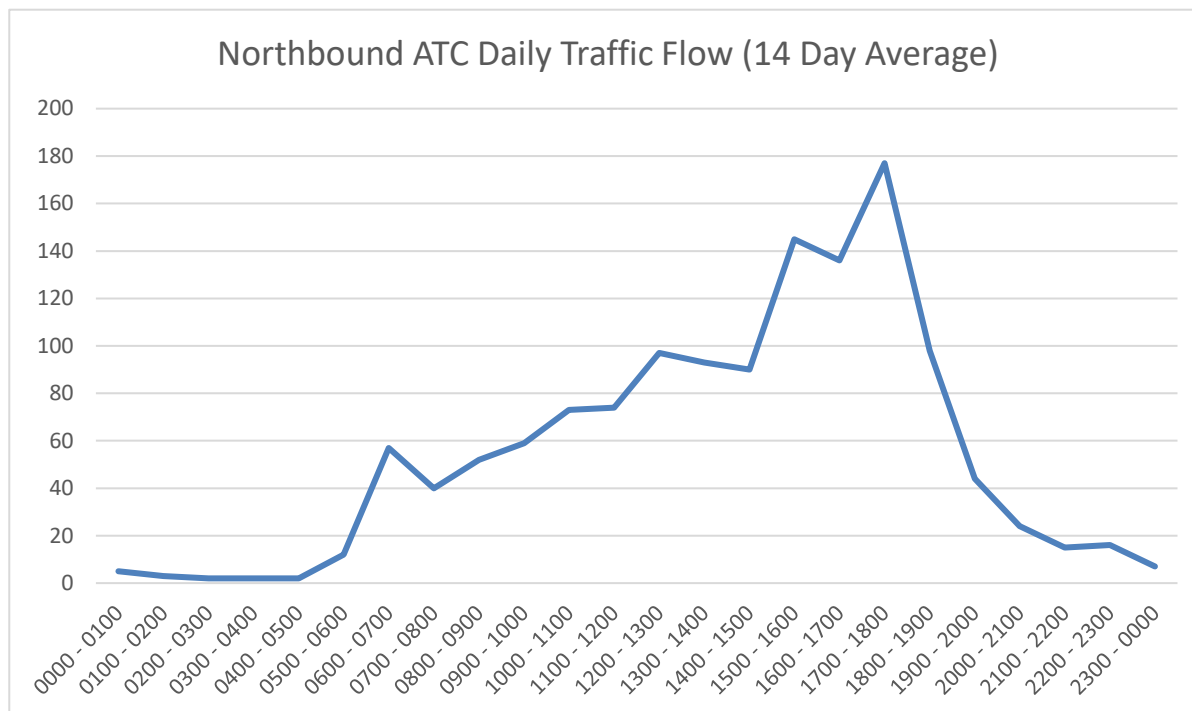
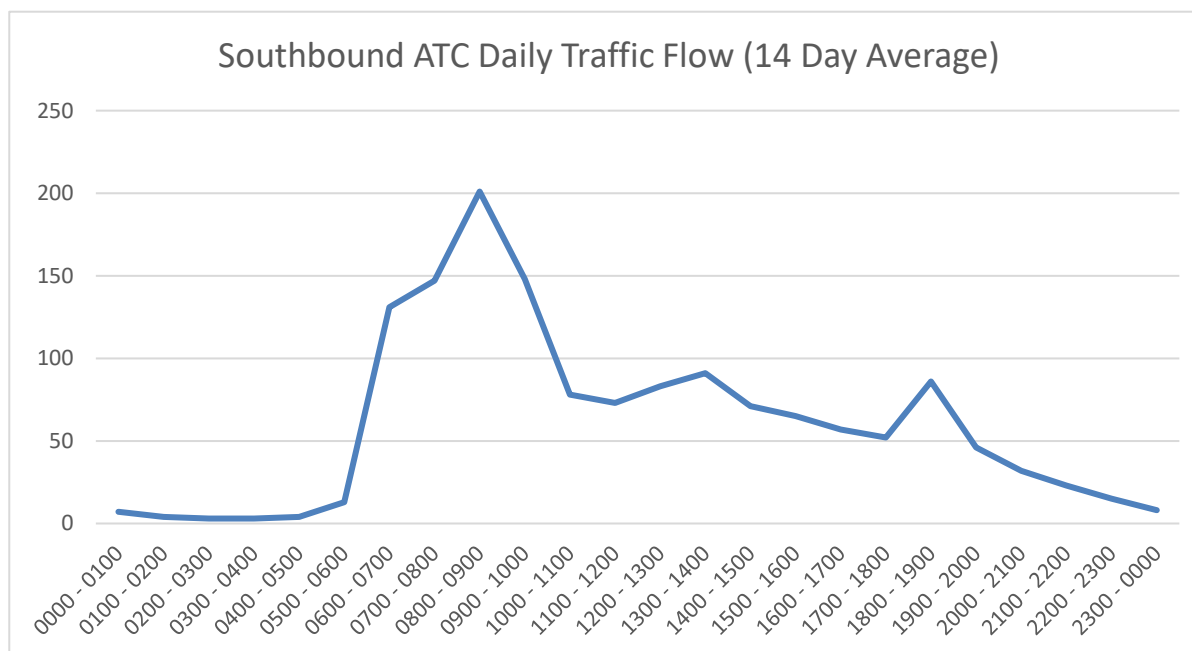


Figure 2.13 Southbound Traffic Flows



2.29 A summary of the daily traffic flows for the two weeks is shown in **Table 2.9**.

Table 2.11 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	5	7	12
0100 – 0200	3	4	7
0200 – 0300	2	3	5
0300 – 0400	2	3	5
0400 – 0500	2	4	6
0500 – 0600	12	13	25
0600 – 0700	57	131	188
0700 – 0800	40	147	187
0800 – 0900	52	201	253
0900 – 1000	59	148	207
1000 – 1100	73	78	151
1100 – 1200	74	73	147
1200 – 1300	97	83	180
1300 – 1400	93	91	184
1400 – 1500	90	71	161
1500 – 1600	145	65	210
1600 – 1700	136	57	193
1700 – 1800	177	52	229
1800 – 1900	98	86	184
1900 – 2000	44	46	90
2000 – 2100	24	32	56
2100 – 2200	15	23	38
2200 – 2300	16	15	31
2300 – 0000	7	8	15
0700 – 1900	1134	1152	2286
0600 – 2200	1274	1383	2657
0600 – 0000	1296	1407	2703
0000 – 0000	1323	1440	2763

2.30 The data shows that typical two-way flows in the peak hours are in the order of 950 vehicles, and daily two-way flows are around 14,000 vehicles.

2.31 Traffic speeds are summarised in **Table 2.10**.

Table 2.12 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	21.3	26.1
Southbound	20.6	24.6

2.32 Average speeds are in the order of 20 - 21mph, and 85% of drivers are typically doing 30mph or below.

Weekday average

2.33 The typical weekday profiles are shown in **Figures 2.14** and **2.15**.

Figure 2.14 Northbound Traffic Flows

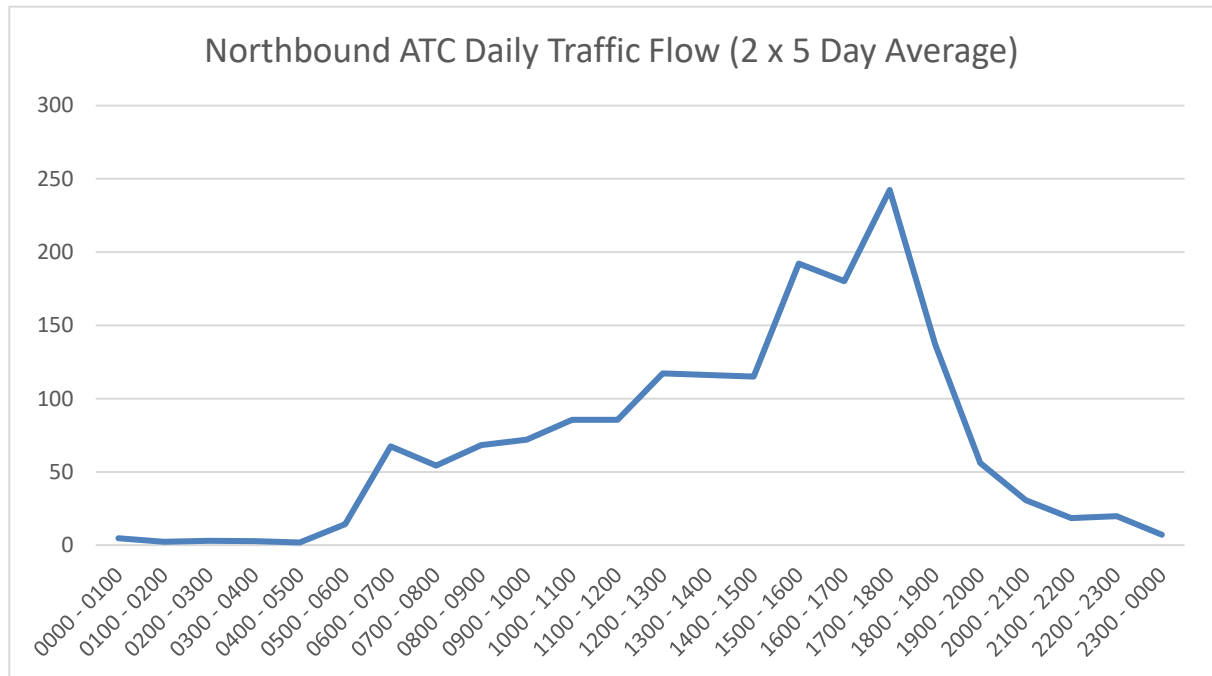
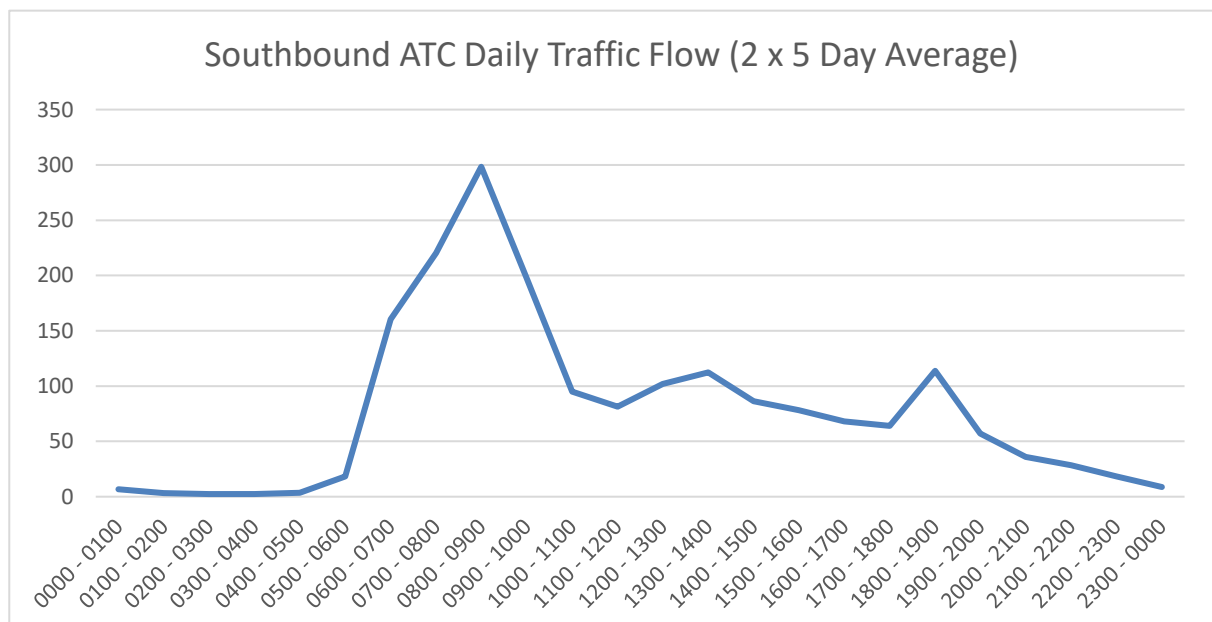


Figure 2.15 Southbound Traffic Flows



2.34 A summary of the daily traffic flows for the two weeks are shown in **Table 2.13**.

Table 2.13 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	5	7	11
0100 – 0200	2	3	6
0200 – 0300	3	3	5
0300 – 0400	3	2	5
0400 – 0500	2	4	5
0500 – 0600	14	18	33
0600 – 0700	67	160	228
0700 – 0800	54	220	275
0800 – 0900	68	298	367
0900 – 1000	72	198	270
1000 – 1100	86	95	181
1100 – 1200	86	82	167
1200 – 1300	117	102	219
1300 – 1400	116	112	229
1400 – 1500	115	86	201
1500 – 1600	192	78	271
1600 – 1700	180	68	248
1700 – 1800	242	64	306
1800 – 1900	137	114	251
1900 – 2000	56	57	113
2000 – 2100	31	36	67
2100 – 2200	19	29	47
2200 – 2300	20	18	38
2300 – 0000	7	9	16
0700 – 1900	1466	1518	2984
0600 – 2200	1638	1800	3438
0600 – 0000	1665	1826	3492
0000 – 0000	1694	1863	3557

2.35 The data shows that typical two-way flows in the peak hours are in the order of 300 - 360 vehicles, and daily two-way flows are around 3,500 vehicles.

2.36 Traffic speeds are summarised in **Table 2.14**.

Table 2.14 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	31.2	36.3
Southbound	30.8	34.4

2.37 Average speeds are in the order of 31mph, and 85% of drivers are typically doing 37mph or below.

Annual Average Daily Traffic (AADT)

- 2.38 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.15** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.15 Summary of Annual Average Daily Traffic

Direction	Annual Average Daily Traffic (AADT)
Northbound	1,320
Southbound	1,436
Total	2,756

- 2.39 Annual Average Daily Traffic (AADT) flows have been estimated at 1,320 travelling northbound and 1,436 travelling southbound, equating to two-way AADT flows of 2,756.

ATC Location 4 – Hamble Lane

2.40 **Figure 2.16** shows the location of the ATC.

Figure 2.16 Location of Survey on Hamble Lane



14 Day average

2.41 The typical weekday profiles are shown in **Figures 2.17** and **2.18**.

Figure 2.17 Eastbound Traffic Flows

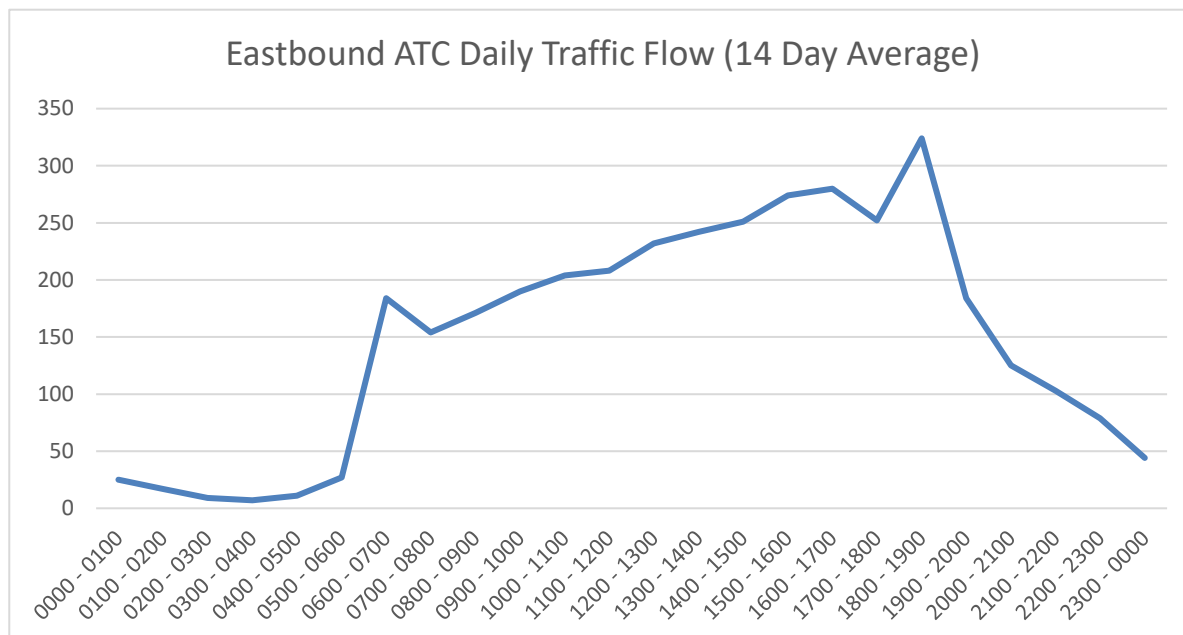
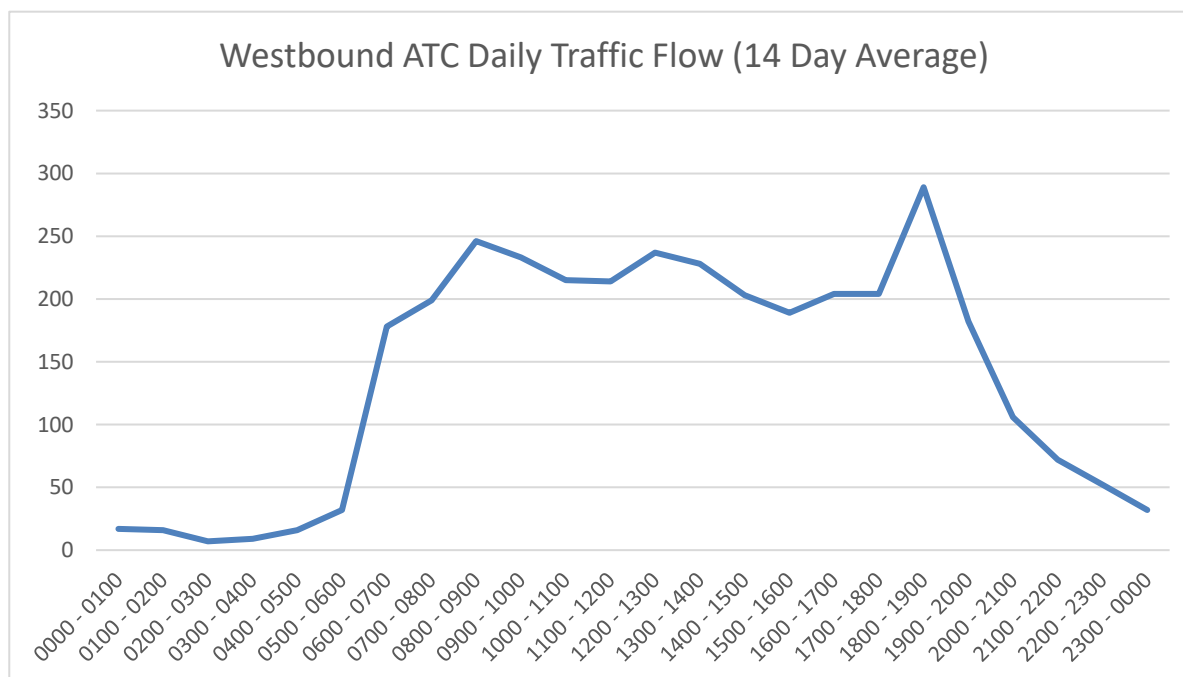


Figure 2.18 Westbound Traffic Flows



2.42 A summary of the daily traffic flows for the two weeks is shown in **Table 2.16**.

Table 2.16 Summary of Daily Traffic Flows

Time	Eastbound Flow (All Vehicles)	Westbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	25	17	42
0100 – 0200	17	16	33
0200 – 0300	9	7	16
0300 – 0400	7	9	16
0400 – 0500	11	16	27
0500 – 0600	27	32	59
0600 – 0700	184	178	362
0700 – 0800	154	199	353
0800 – 0900	171	246	417
0900 – 1000	190	233	423
1000 – 1100	204	215	419
1100 – 1200	208	214	422
1200 – 1300	232	237	469
1300 – 1400	242	228	470
1400 – 1500	251	203	454
1500 – 1600	274	189	463
1600 – 1700	280	204	484
1700 – 1800	252	204	456
1800 – 1900	324	289	613
1900 – 2000	184	182	366
2000 – 2100	125	106	231
2100 – 2200	103	72	175
2200 – 2300	79	52	131
2300 – 0000	44	32	76
0700 – 1900	2783	2661	5444
0600 – 2200	3379	3198	6577
0600 – 0000	3502	3282	6784
0000 – 0000	3597	3377	6974

2.43 The data shows that typical two-way flows in the peak hours are in the order of 450 vehicles, and daily two-way flows are around 7,000 vehicles.

2.44 Traffic speeds are summarised in **Table 2.17**.

Table 2.17 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Eastbound	28.2	33.6
Westbound	28.2	33.4

2.45 Average speeds are in the order of 31mph, and 85% of drivers are typically doing 35-36mph or below.

Weekday average

2.46 The typical weekday profiles are shown in **Figures 2.19** and **2.20**.

Figure 2.19 Eastbound Traffic Flows

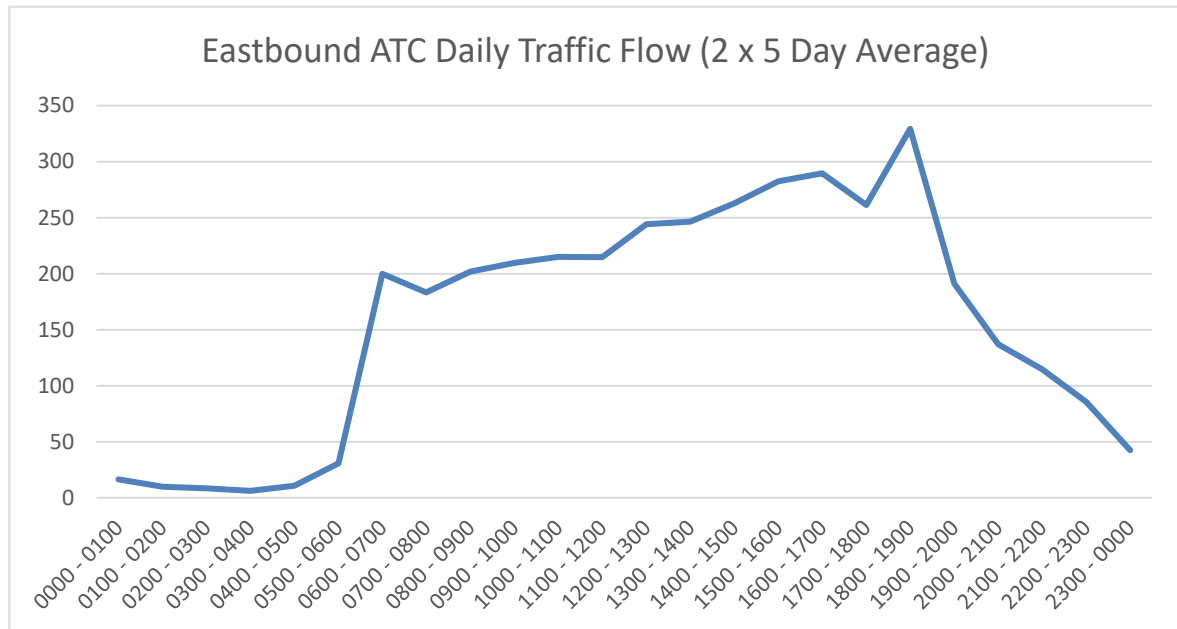
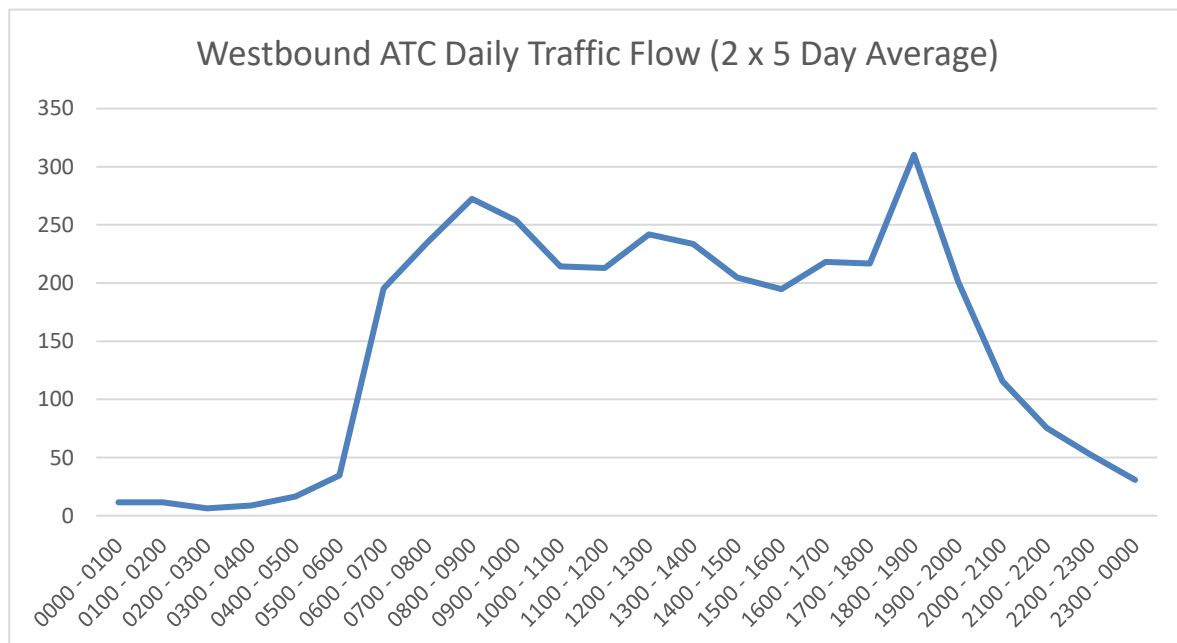


Figure 2.20 Westbound Traffic Flows



2.47 A summary of the daily traffic flows for the two weeks is shown in **Table 2.15**.

Table 2.18 Summary of Daily Traffic Flows

Time	Eastbound Flow (All Vehicles)	Westbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	16	12	28
0100 – 0200	10	11	21
0200 – 0300	8	6	15
0300 – 0400	6	9	15
0400 – 0500	11	17	27
0500 – 0600	31	35	65
0600 – 0700	200	195	395
0700 – 0800	183	235	418
0800 – 0900	202	273	474
0900 – 1000	210	254	463
1000 – 1100	215	214	429
1100 – 1200	215	213	428
1200 – 1300	244	242	486
1300 – 1400	246	234	480
1400 – 1500	263	205	467
1500 – 1600	282	195	477
1600 – 1700	290	218	508
1700 – 1800	261	217	478
1800 – 1900	329	310	640
1900 – 2000	191	201	392
2000 – 2100	137	116	253
2100 – 2200	115	75	190
2200 – 2300	86	52	138
2300 – 0000	43	31	73
0700 – 1900	2940	2809	5749
0600 – 2200	3583	3396	6979
0600 – 0000	3711	3480	7190
0000 – 0000	3793	3569	7362

2.48 The data shows that typical two-way flows in the peak hours are in the order of 400 - 500 vehicles, and daily two-way flows are around 7,000 vehicles.

2.49 Traffic speeds are summarised in **Table 2.19**.

Table 2.19 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Eastbound	28.2	33.7
Westbound	28.5	33.4

2.50 Average speeds are in the order of 28mph, and 85% of drivers are typically doing under 35mph.

Annual Average Daily Traffic (AADT)

- 2.51 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.20** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.20 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Total (AADT)
Eastbound	3,587
Westbound	3,368
Total	6,955

- 2.52 Annual Average Daily Traffic (AADT) flows have been estimated at 3,587 travelling northbound and 3,368 travelling southbound, equating to two-way AADT flows of 6,955.

ATC Location 5 – Copse Lane

2.53 **Figure 2.21** shows the location of the ATC.

Figure 2.21 Location of Survey on Copse Lane



14 Day average

2.54 The typical weekday profiles are shown in **Figures 2.22** and **2.23**.

Figure 2.22 Northbound Traffic Flows

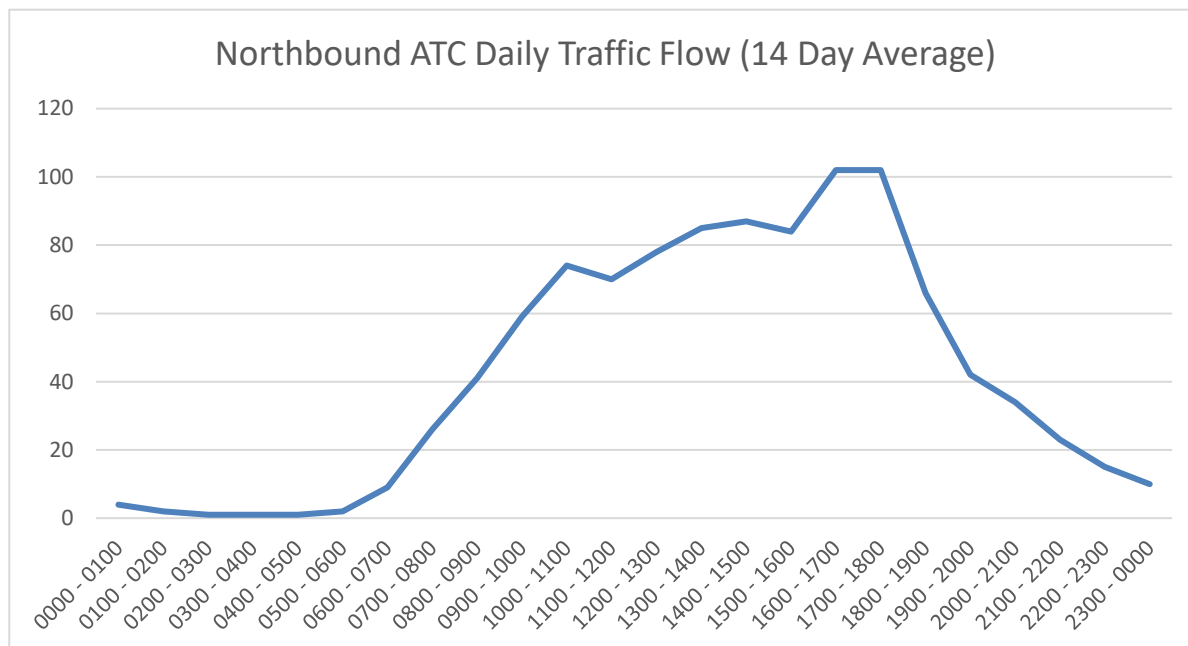
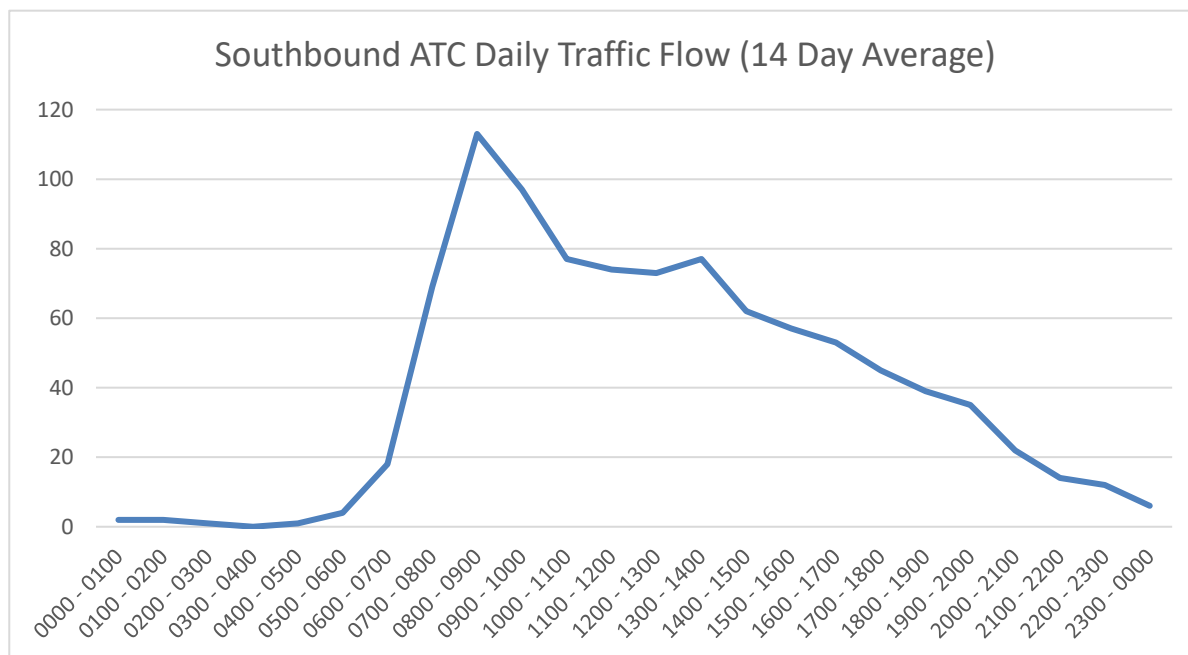


Figure 2.23 Southbound Traffic Flows



2.55 A summary of the daily traffic flows for the two weeks is shown in **Table 2.21**.

Table 2.21 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	4	2	6
0100 – 0200	2	2	4
0200 – 0300	1	1	2
0300 – 0400	1	0	1
0400 – 0500	1	1	2
0500 – 0600	2	4	6
0600 – 0700	9	18	27
0700 – 0800	26	69	95
0800 – 0900	41	113	154
0900 – 1000	59	97	156
1000 – 1100	74	77	151
1100 – 1200	70	74	144
1200 – 1300	78	73	151
1300 – 1400	85	77	162
1400 – 1500	87	62	149
1500 – 1600	84	57	141
1600 – 1700	102	53	155
1700 – 1800	102	45	147
1800 – 1900	66	39	105
1900 – 2000	42	35	77
2000 – 2100	34	22	56
2100 – 2200	23	14	37
2200 – 2300	15	12	27
2300 – 0000	10	6	16
0700 – 1900	873	836	1709
0600 – 2200	980	924	1904
0600 – 0000	1006	942	1948
0000 – 0000	1017	952	1969

2.56 The data shows that typical two-way flows in the peak hours are in the order of 150 vehicles, and daily two-way flows are around 1,900 vehicles.

2.57 Traffic speeds are summarised in **Table 2.22**.

Table 2.22 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	31.2	36.3
Southbound	30.8	34.4

2.58 Average speeds are in the order of 31mph, and 85% of drivers are typically doing 36mph or below.

Weekday average

2.59 The typical weekday profiles are shown in **Figures 2.24** and **2.25**.

Figure 2.24 Northbound Traffic Flows

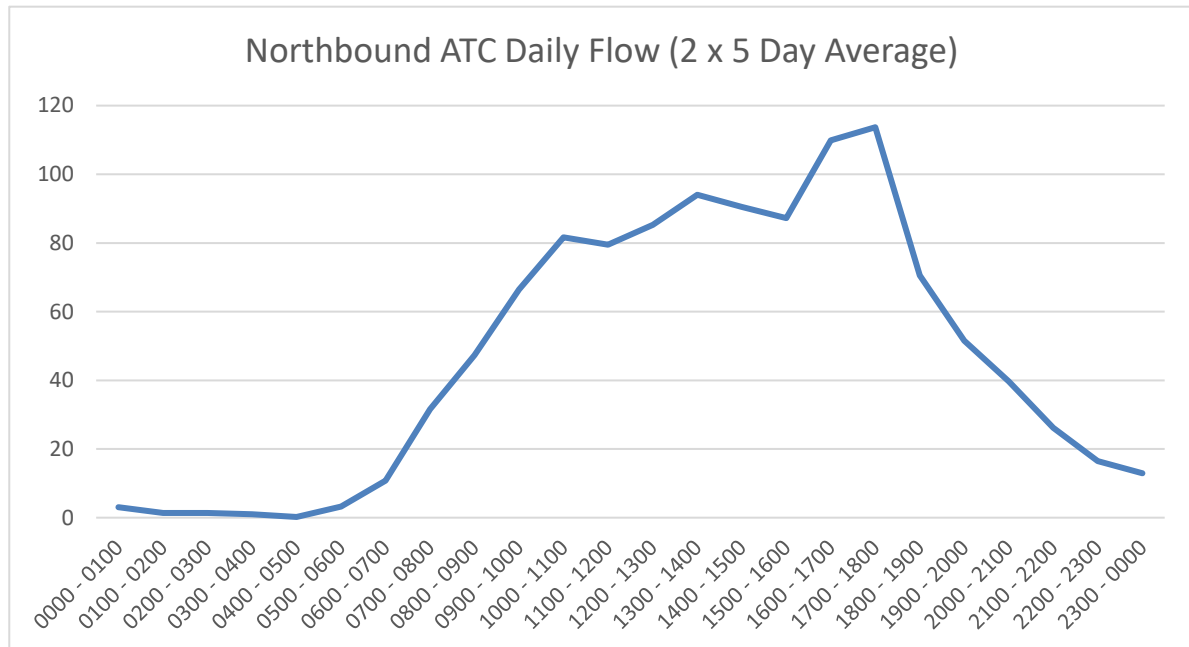
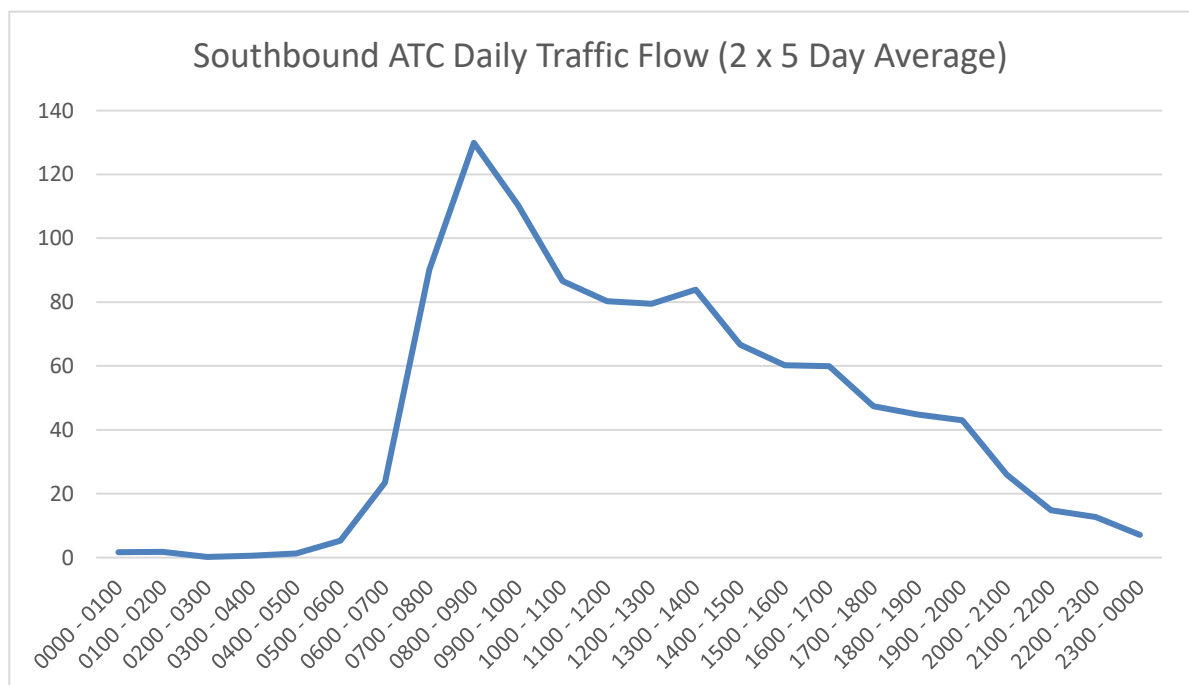


Figure 2.25 Southbound Traffic Flows



2.60 A summary of the daily traffic flows for the two weeks is shown in **Table 2.23**.

Table 2.23 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	3	2	5
0100 – 0200	1	2	3
0200 – 0300	1	0	2
0300 – 0400	1	1	2
0400 – 0500	0	1	2
0500 – 0600	3	5	9
0600 – 0700	11	23	34
0700 – 0800	32	90	122
0800 – 0900	47	130	177
0900 – 1000	66	110	177
1000 – 1100	82	87	168
1100 – 1200	80	80	160
1200 – 1300	85	80	165
1300 – 1400	94	84	178
1400 – 1500	91	67	157
1500 – 1600	87	60	147
1600 – 1700	110	60	170
1700 – 1800	114	47	161
1800 – 1900	71	45	115
1900 – 2000	52	43	95
2000 – 2100	40	26	66
2100 – 2200	26	15	41
2200 – 2300	17	13	29
2300 – 0000	13	7	20
0700 – 1900	958	940	1897
0600 – 2200	1086	1047	2133
0600 – 0000	1115	1067	2182
0000 – 0000	1125	1078	2203

2.61 The data shows that typical two-way flows in the peak hours are in the order of 170 vehicles, and daily two-way flows are around 2,200 vehicles.

2.62 Traffic speeds are summarised in **Table 2.24**.

Table 2.24 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	23.2	27.8
Southbound	23.1	27

2.63 Average speeds are in the order of 23mph, and 85% of drivers are typically doing 30mph or below.

Annual Average Daily Traffic (AADT)

- 2.64 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.25** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.25 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Traffic (AADT)
Northbound	1,014
Southbound	950
Total	1,964

- 2.65 Annual Average Daily Traffic (AADT) flows have been estimated at 1,014 travelling northbound and 950 travelling southbound, equating to two-way AADT flows of 1,964.

ATC Location – Satchell Lane

2.66 **Figure 2.26** below shows the location of the ATC on Satchell Lane.

Figure 2.26 Location of Survey on Satchell Lane



14 Day average

2.67 The typical weekday profiles are shown in **Figures 2.27** and **2.28**.

Figure 2.27 Northbound Traffic Flows

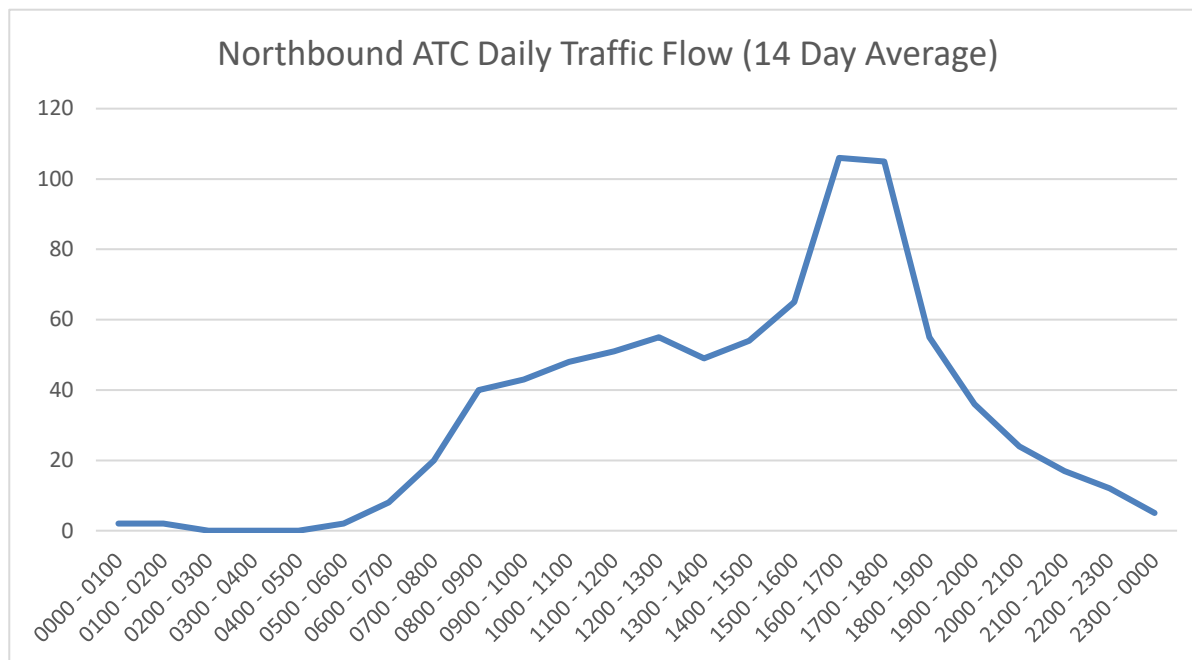
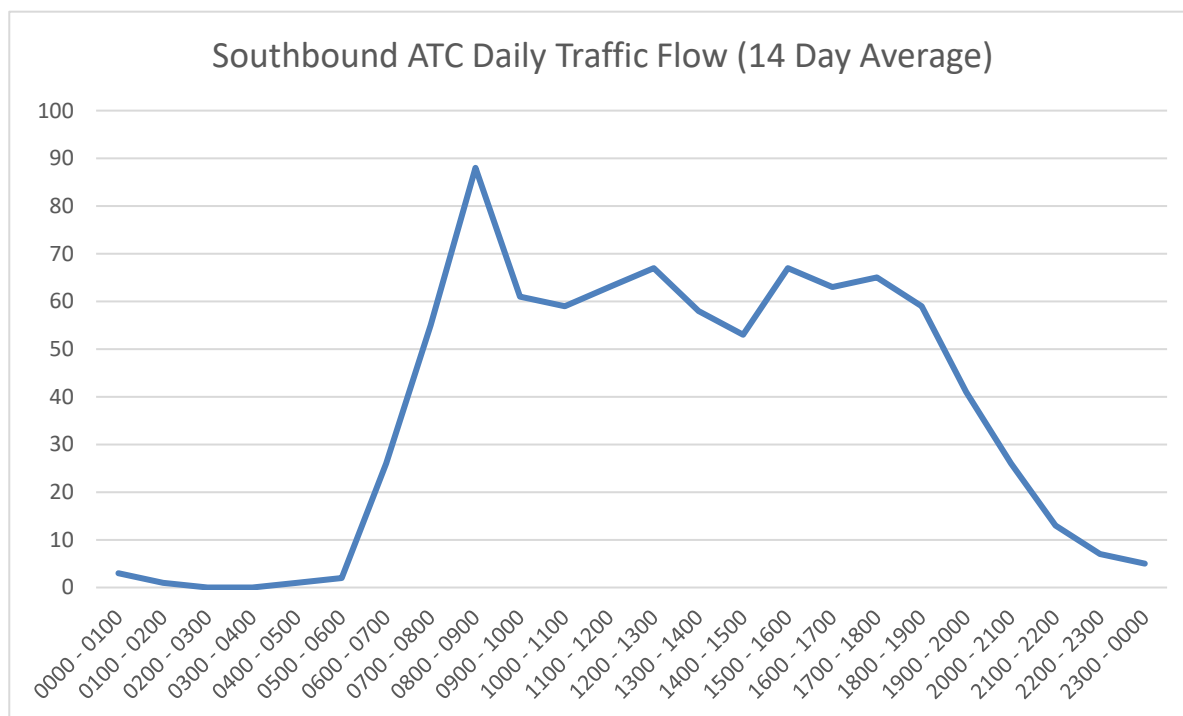


Figure 2.28 Southbound Traffic Flows



2.68 A summary of the daily traffic flows for the two weeks is shown in **Table 2.26**.

Table 2.26 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	2	3	5
0100 – 0200	2	1	3
0200 – 0300	0	0	0
0300 – 0400	0	0	0
0400 – 0500	0	1	1
0500 – 0600	2	2	4
0600 – 0700	8	26	34
0700 – 0800	20	55	75
0800 – 0900	40	88	128
0900 – 1000	43	61	104
1000 – 1100	48	59	107
1100 – 1200	51	63	114
1200 – 1300	55	67	122
1300 – 1400	49	58	107
1400 – 1500	54	53	107
1500 – 1600	65	67	132
1600 – 1700	106	63	169
1700 – 1800	105	65	170
1800 – 1900	55	59	114
1900 – 2000	36	41	77
2000 – 2100	24	26	50
2100 – 2200	17	13	30
2200 – 2300	12	7	19
2300 – 0000	5	5	10
0700 – 1900	689	757	1446
0600 – 2200	774	863	1637
0600 – 0000	791	875	1666
0000 – 0000	798	882	1680

2.69 The data shows that typical two-way flows in the peak hours are in the order of 150 vehicles, and daily two-way flows are around 1,600 vehicles.

2.70 Traffic speeds are summarised in **Table 2.27**.

Table 2.27 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	22.2	26.2
Southbound	21	25.2

2.71 Average speeds are in the order of 21 - 22mph, and 85% of drivers are typically doing 27mph or below.

Weekday average

2.72 The typical weekday profiles are shown in **Figures 2.29** and **2.30**.

Figure 2.29 Northbound Traffic Flows

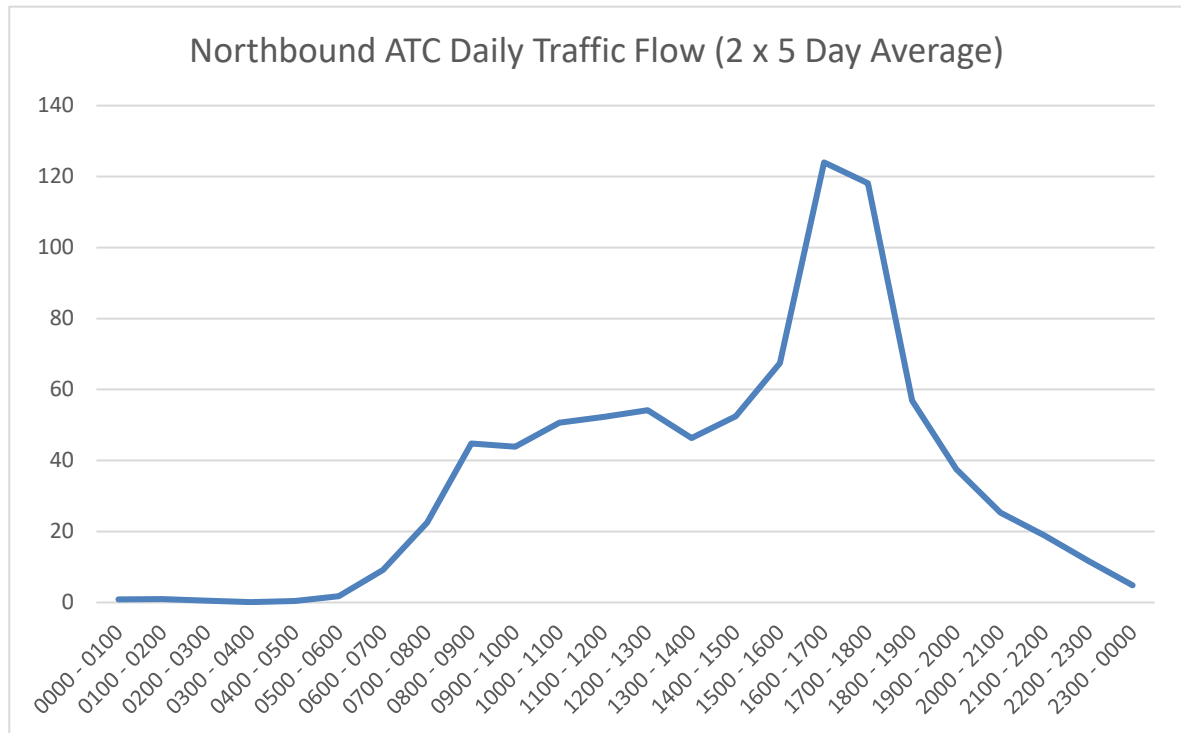
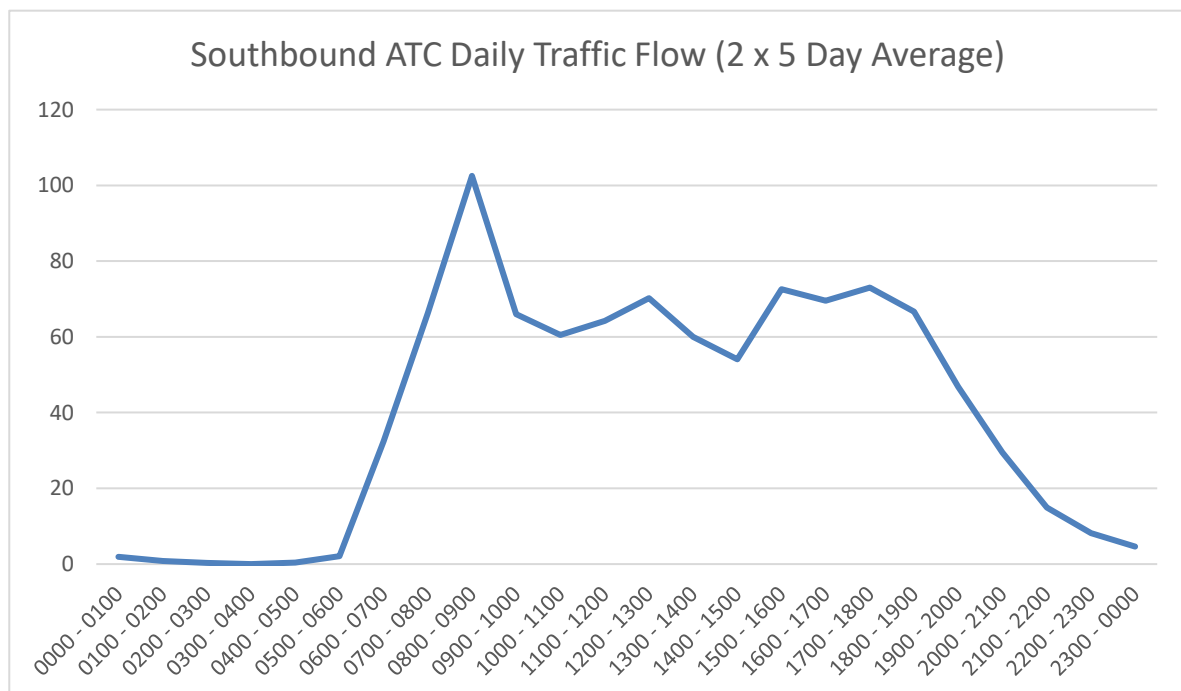


Figure 2.30 Southbound Traffic Flows



2.73 A summary of the daily traffic flows for the two weeks is shown in **Table 2.28**.

Table 2.28 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	1	2	3
0100 – 0200	1	1	2
0200 – 0300	1	0	1
0300 – 0400	0	0	0
0400 – 0500	0	0	1
0500 – 0600	2	2	4
0600 – 0700	9	32	42
0700 – 0800	23	66	89
0800 – 0900	45	103	147
0900 – 1000	44	66	110
1000 – 1100	51	61	111
1100 – 1200	52	64	117
1200 – 1300	54	70	124
1300 – 1400	46	60	106
1400 – 1500	53	54	107
1500 – 1600	67	73	140
1600 – 1700	124	70	194
1700 – 1800	118	73	191
1800 – 1900	57	67	124
1900 – 2000	38	47	84
2000 – 2100	25	30	55
2100 – 2200	19	15	34
2200 – 2300	12	8	20
2300 – 0000	5	5	9
0700 – 1900	734	826	1559
0600 – 2200	825	949	1774
0600 – 0000	841	962	1803
0000 – 0000	846	967	1813

2.74 The data shows that typical two-way flows in the peak hours are in the order of 150 vehicles, and daily two-way flows are around 1,800 vehicles.

2.75 Traffic speeds are summarised in **Table 2.29**.

Table 2.29 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	22.4	26.4
Southbound	21.3	25.5

2.76 Average speeds are in the order of 21 - 22mph, and 85% of drivers are typically doing 27mph or below.

Annual Average Daily Traffic (AADT)

- 2.77 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.30** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.30 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Total (AADT)
Northbound	796
Southbound	879
Total	1,675

- 2.78 Annual Average Daily Traffic (AADT) flows have been estimated at 796 travelling northbound and 879 travelling southbound, equating to two-way AADT flows of 1,675.

ATC Location – Coach Road

2.79 **Figure 2.31** shows the location of the ATC.

Figure 2.31 Location of Survey Adjacent to Coach Road



14 Day average

2.80 The typical weekday profiles are shown in **Figures 2.32** and **2.33**.

Figure 2.32 Northbound Traffic Flows

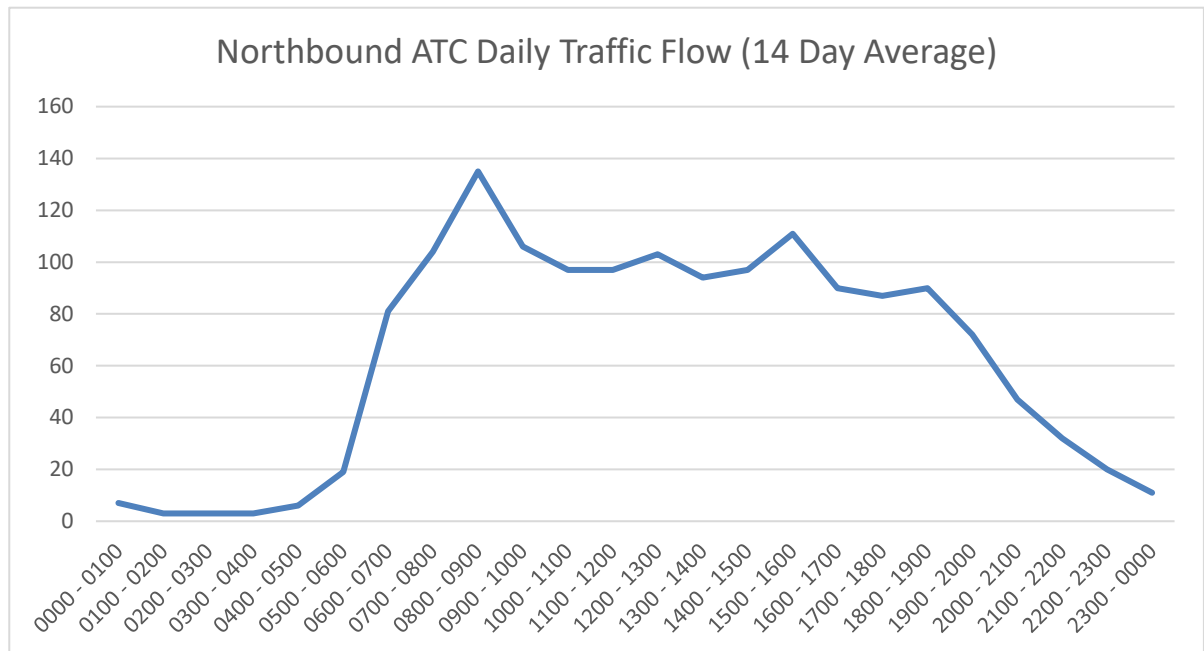
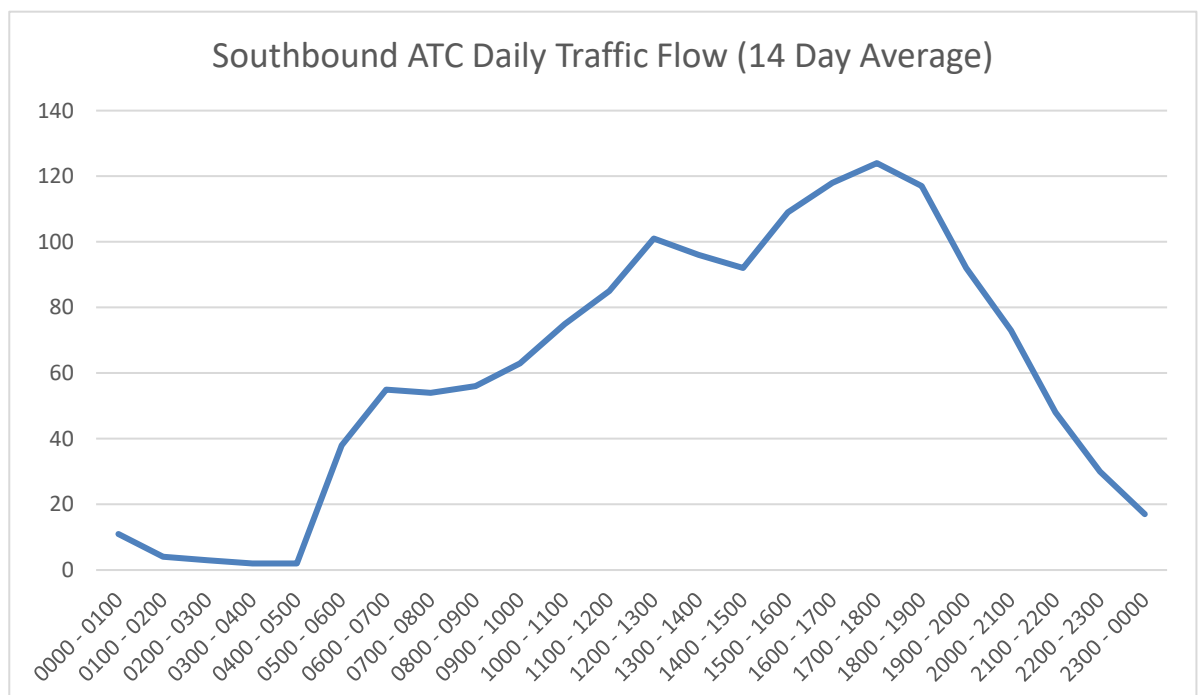


Figure 2.33 Southbound Traffic Flows



2.81 A summary of the daily traffic flows for the two weeks is shown in **Table 2.31**.

Table 2.31 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	7	11	18
0100 – 0200	3	4	7
0200 – 0300	3	3	6
0300 – 0400	3	2	5
0400 – 0500	6	2	8
0500 – 0600	19	38	57
0600 – 0700	81	55	136
0700 – 0800	104	54	158
0800 – 0900	135	56	191
0900 – 1000	106	63	169
1000 – 1100	97	75	172
1100 – 1200	97	85	182
1200 – 1300	103	101	204
1300 – 1400	94	96	190
1400 – 1500	97	92	189
1500 – 1600	111	109	220
1600 – 1700	90	118	208
1700 – 1800	87	124	211
1800 – 1900	90	117	207
1900 – 2000	72	92	164
2000 – 2100	47	73	120
2100 – 2200	32	48	80
2200 – 2300	20	30	50
2300 – 0000	11	17	28
0700 – 1900	1210	1090	2300
0600 – 2200	1442	1357	2799
0600 – 0000	1473	1404	2877
0000 – 0000	1514	1464	2978

2.82 The data shows that typical two-way flows in the peak hours are in the order of 200 vehicles, and daily two-way flows are around 3,000 vehicles.

2.83 Traffic speeds are summarised in **Table 2.32**.

Table 2.32 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	19.9	23.8
Southbound	19.7	23

2.84 Average speeds are in the order of 20mph, and 85% of drivers are typically doing 24mph or below.

Weekday average

2.85 The typical weekday profiles are shown in **Figures 2.34** and **2.35**.

Figure 2.34 Northbound Traffic Flows

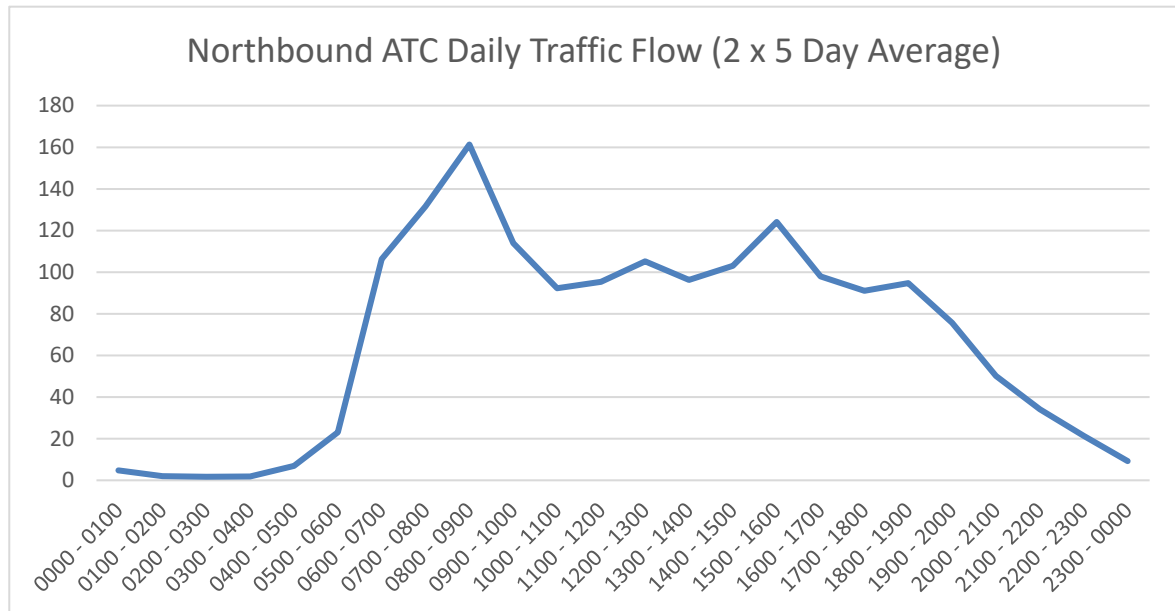
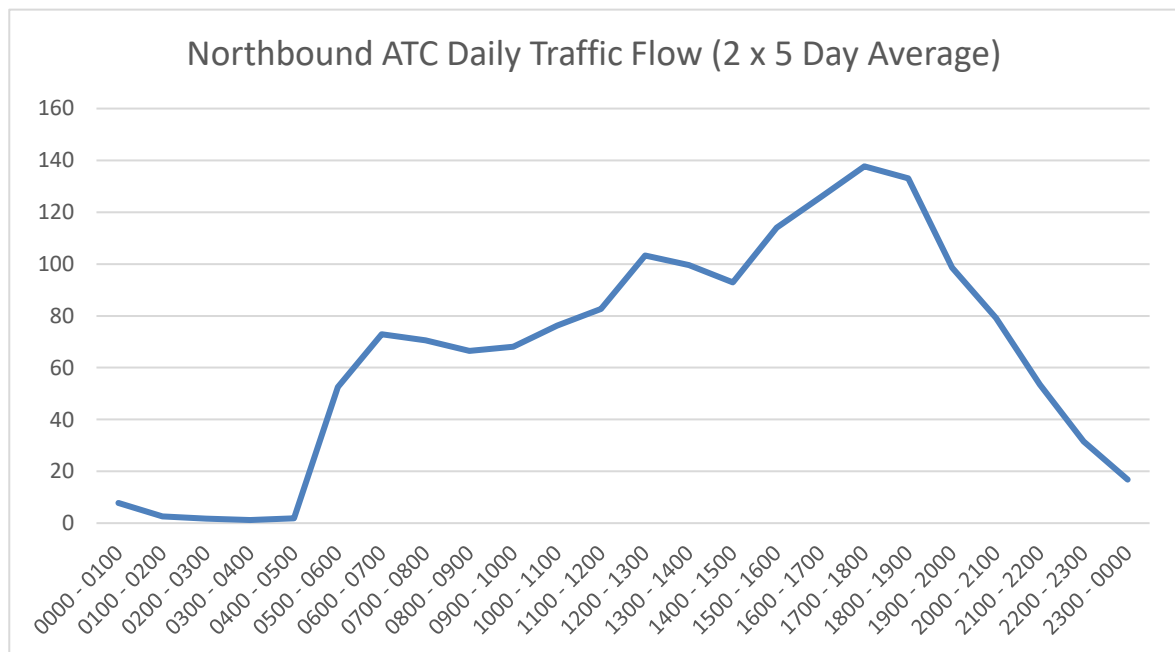


Figure 2.35 Southbound Traffic Flows



2.86 A summary of the daily traffic flows for the two weeks is shown in **Table 2.33**.

Table 2.33 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	5	8	13
0100 – 0200	2	3	5
0200 – 0300	2	2	3
0300 – 0400	2	1	3
0400 – 0500	7	2	9
0500 – 0600	23	53	76
0600 – 0700	106	73	179
0700 – 0800	132	71	202
0800 – 0900	161	67	228
0900 – 1000	114	68	182
1000 – 1100	92	76	169
1100 – 1200	95	83	178
1200 – 1300	105	103	209
1300 – 1400	96	100	196
1400 – 1500	103	93	196
1500 – 1600	124	114	238
1600 – 1700	98	126	224
1700 – 1800	91	138	229
1800 – 1900	95	133	228
1900 – 2000	76	99	174
2000 – 2100	50	79	129
2100 – 2200	34	54	88
2200 – 2300	21	32	53
2300 – 0000	9	17	26
0700 – 1900	1307	1170	2478
0600 – 2200	1573	1475	3048
0600 – 0000	1604	1523	3127
0000 – 0000	1644	1591	3234

2.87 The data shows that typical two-way flows in the peak hours are in the order of 950 vehicles, and daily two-way flows are around 3,200 vehicles.

2.88 Traffic speeds are summarised in **Table 2.34**.

Table 2.34 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	19.8	23.8
Southbound	19.7	23

2.89 Average speeds are in the order of 20mph, and 85% of drivers are typically doing 24mph or below.

Annual Average Daily Traffic (AADT)

- 2.90 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.35** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.35 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Traffic (AADT)
Northbound	1,510
Southbound	1,460
Total	2,970

- 2.91 Annual Average Daily Traffic (AADT) flows have been estimated at 1,510 travelling northbound and 1,460 travelling southbound, equating to two-way AADT flows of 2,970.

ATC Location 8 – Hamble Lane (south of Mallards Road)

- 2.92 **Figure 2.36** below shows the location of the ATC on Hamble Lane (south of Mallards Road).
- 2.93 The ATC data at this location was recorded for one week only and therefore a 14-day average traffic profile has not been included for this location.

Figure 2.36 Location of Survey on Hamble Lane, south of Mallards Road



Weekday average

- 2.94 The typical weekday profiles are shown in **Figures 2.37** and **2.38**.

Figure 2.37 Northbound Traffic Flows

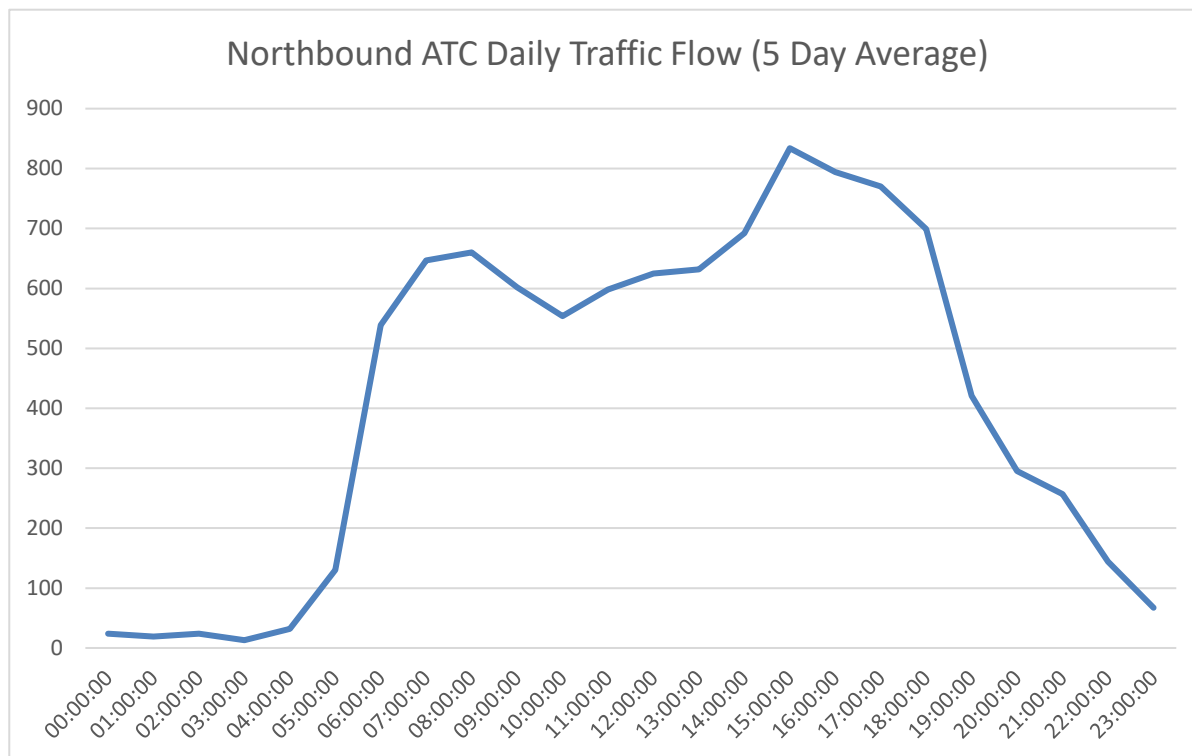
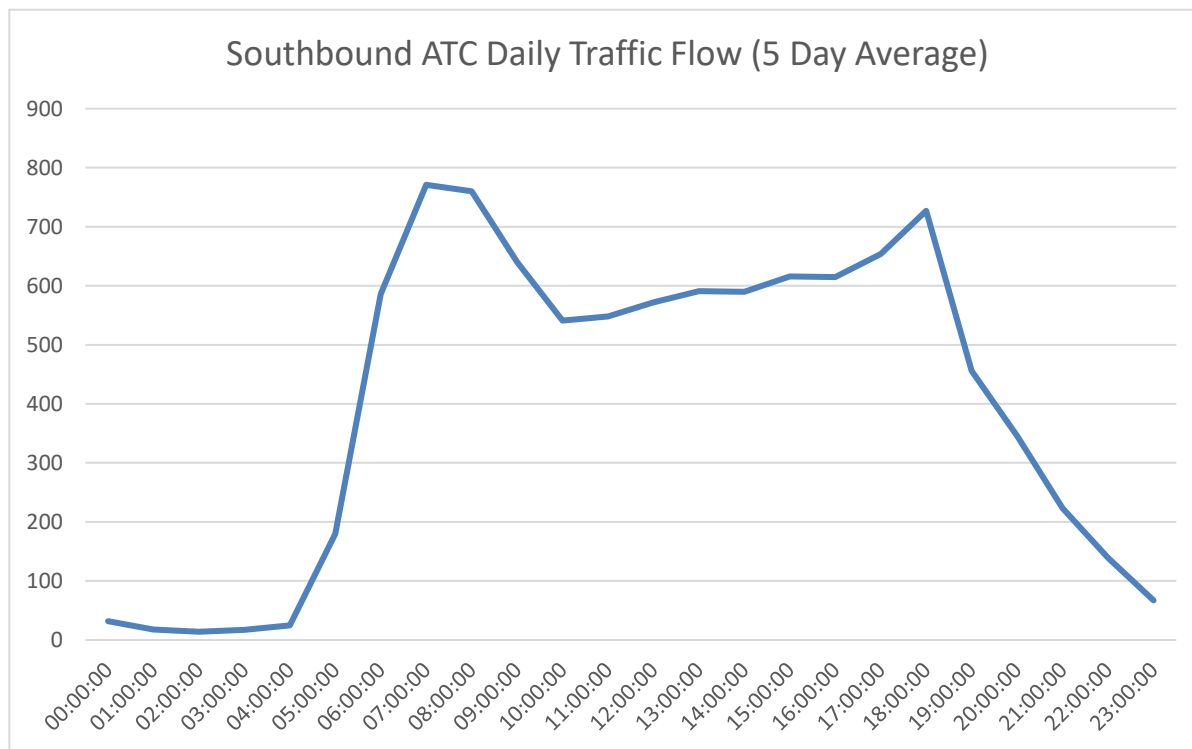


Figure 2.38 Southbound Traffic Flows



2.95 A summary of the daily traffic flows for the two weeks is shown in **Table 2.36**.

Table 2.36 Summary of Daily Traffic Flows

Time	Northbound Flow (All Vehicles)	Southbound Flow (All Vehicles)	Total Flow (All Vehicles)
0000 – 0100	24	32	56
0100 – 0200	19	18	37
0200 – 0300	24	14	38
0300 – 0400	13	17	30
0400 – 0500	32	25	57
0500 – 0600	130	180	310
0600 – 0700	539	586	1125
0700 – 0800	647	771	1418
0800 – 0900	660	760	1420
0900 – 1000	602	640	1242
1000 – 1100	554	541	1095
1100 – 1200	598	548	1146
1200 – 1300	625	572	1197
1300 – 1400	632	591	1223
1400 – 1500	692	590	1282
1500 – 1600	834	616	1450
1600 – 1700	794	615	1409
1700 – 1800	770	654	1424
1800 – 1900	699	727	1426
1900 – 2000	421	456	877
2000 – 2100	295	346	641
2100 – 2200	257	223	480
2200 – 2300	144	139	283
2300 – 0000	67	67	134
0700 – 1900	8107	7624	15731
0600 – 2200	9620	9234	18854
0600 – 0000	9832	9440	19272
0000 – 0000	10074	9726	19800

2.96 The data shows that typical two-way flows in the peak hours are in the order of 1,400 vehicles, and daily two-way flows are around 20,000 vehicles.

2.97 Traffic speeds are summarised in **Table 2.37**.

Table 2.37 Summary of Recorded Traffic Speeds

Direction	Average Speed (mph)	85 th Percentile Speed (mph)
Northbound	27.4	34.6
Southbound	30.8	35.6

2.98 Average speeds are in the order of 27-31mph, and 85% of drivers are typically doing under 36mph.

Annual Average Daily Traffic (AADT)

- 2.99 Annual Average Daily Traffic (AADT) data has been calculated at the ATC location, which is presented in **Table 2.38** below. This has been calculated using the weekly average total and factoring it up to estimate the annual average total and dividing this total by 365 days to produce the AADT.

Table 2.38 Summary of Annual Average Daily Traffic (AADT)

Direction	Annual Average Daily Traffic (AADT)
Northbound	9,512
Southbound	9,168
Total	18,680

- 2.100 AADT flows have been estimated at 9,512 travelling northbound and 9,168 travelling southbound, equating to two-way AADT flows of 18,680.

3 Traffic Comparators / Traffic Management Measures

Traffic Comparators - Hamble

- 3.1 AADF flows have been extracted from the Department for Transport's (DfT) Road Traffic Statistics to be used as a comparator and to assist with validation of data for the ATC data collected. AADF counts have been extracted from a count location on Spitfire Way in Hamble for the year 2018, which are summarised in **Table 3.1** below.

Table 3.1 Summary of Annual Average Daily Traffic (AADF) – Spitfire Way

Direction	Annual Average Daily Traffic (AADF)
Northbound	528
Southbound	511
Total	1,039

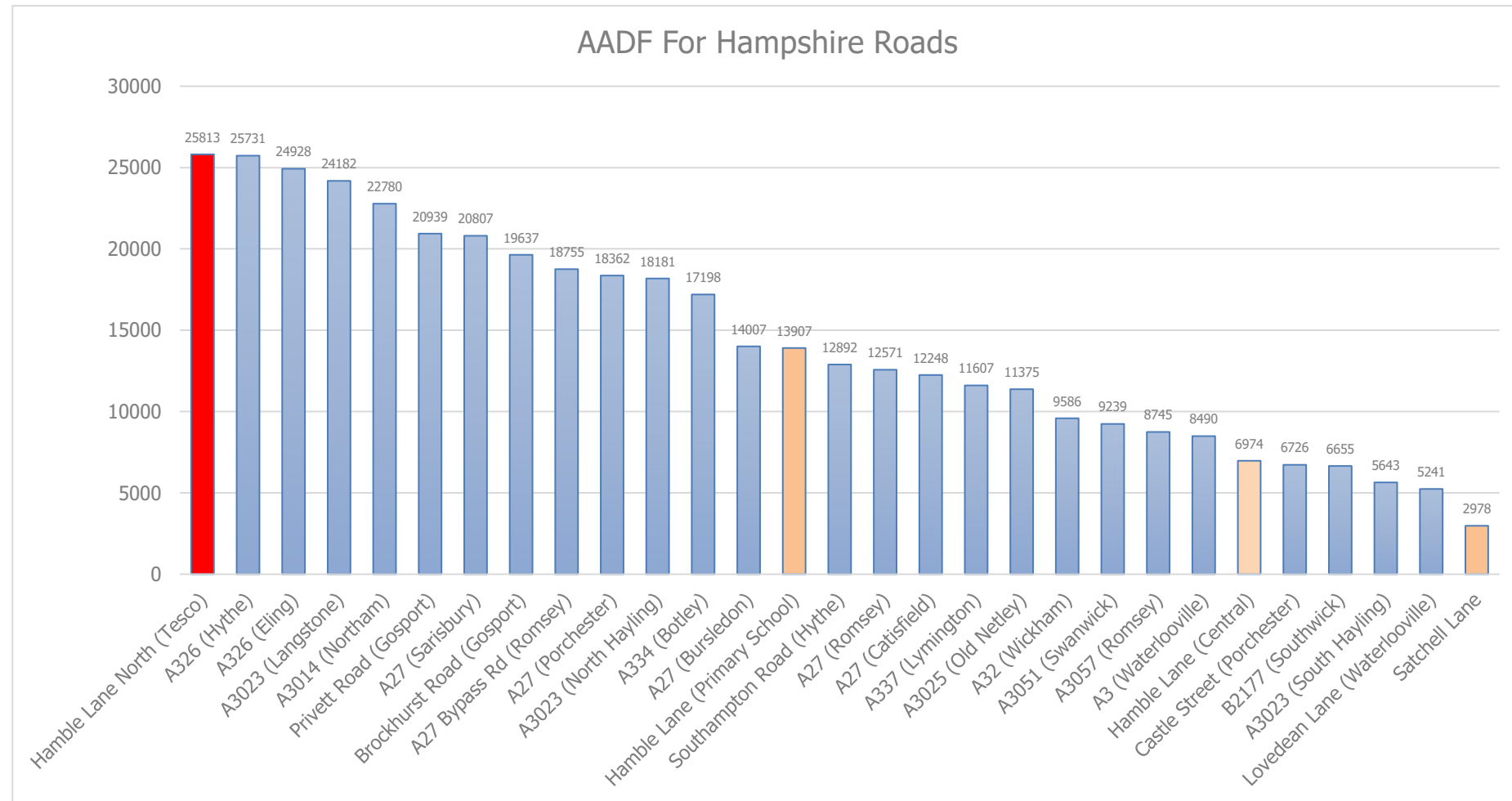
- 3.2 This is comparable to the surveyed annual average daily traffic data for Kings Avenue, which has estimated flows of 552 northbound and 566 southbound, equating to two-way AADF flows of 1,119. Kings Avenue is also classified as a minor road similar to Spitfire Way.
- 3.3 The peak hour flows for Spitfire Way have been identified as between 08:00-09:00 and 17:00-18:00, this is in line with the peak hour periods at the ATC locations.

Traffic Comparators – Wider Hampshire Region

- 3.4 A further exercise has been undertaken to compare the traffic data to patterns in the wider region. The DfT database has been used to determine AADF flows on other significant links across Hampshire, on roads including the A27, A326 and A32 amongst others. The results are illustrated on **Figure 3.1**.



Figure 3.1 Summary of AADF on Hampshire Roads



- 3.5 The results in **Figure 3.1** shows that the total traffic within Hamble is typically at the higher end of, what are considered, comparable districts and roads within the region.
- 3.6 A comparison of the daily flow profiles for the three ATC key count points on Hamble Lane and Satchell Lane has been made with other settlements across the Hampshire region on an hourly basis. Sites in Newbury and Durrington have also been included to show observations align to other southern counties.
- 3.7 This is using full primary ATC data collected from traffic surveys forming part of planning applications WYG have undertaken, the results of which are shown on **Figures 3.2-3.4**.
- 3.8 The results show that the traffic flows observed at the Hamble sites broadly follow the patterns seen elsewhere whereby there are defined AM and PM peaks, however there is a noticeable extension of the peak periods in the morning and evening and a flatter traffic flow profile throughout the day.
- 3.9 Furthermore, the traffic peaks appear to be less defined and more spread out in Hamble. **Figures 3.3 and 3.5** clearly show this trend where the other count sites have a more significant AM and PM peak period and notably reduced flows during the remaining daily hours.
- 3.10 The central site on Hamble Lane, east of Aquila Way, appears to show a less defined peak hour in the morning, and a later peak hour in the evening (around 1800-1900, compared with 1600-1700 or 1700-1800 elsewhere).
- 3.11 The Hamble Lane (north of the primary school) count site can be seen to have an earlier start to the AM peak hour, at around 0600-700 rather than 0700-0800 elsewhere.



Table 3.2: Comparison of Hamble Lane (North of the Primary School) with Regional Roads

	B3397 Hamble Lane, 60m north of Hamble Primary School - May 2019	Hulbert Road, Havant - Feb 2019	Gosport Road, Stubbington - July 2017	Quarr Hill, Ryde - July 2017	Newport Road, Sandown - July 2017	Medina Way, Newport - July 2017	Verwood Road, Ringwood - July 2018	Goring Road, Durrington - June 2016
0000 - 0100	54	55	65	107	42	95	53	87
0100 - 0200	31	36	35	59	22	53	22	34
0200 - 0300	22	22	20	26	13	28	11	24
0300 - 0400	24	33	20	53	18	31	19	13
0400 - 0500	49	56	73	40	36	60	36	31
0500 - 0600	261	207	333	207	123	219	128	136
0600 - 0700	1006	526	1240	416	376	598	440	477
0700 - 0800	1096	851	1842	1017	996	1814	1248	1191
0800 - 0900	1141	1227	1858	1081	1267	1843	1482	1380
0900 - 1000	918	970	1663	1090	1205	1528	1141	1247
1000 - 1100	788	922	1653	1246	1361	1633	1112	1192
1100 - 1200	773	951	1727	1248	1336	1724	1161	1236
1200 - 1300	874	1005	1912	1289	1326	1880	1299	1259
1300 - 1400	852	1070	1952	1323	1394	1862	1309	1344
1400 - 1500	891	1102	1978	1243	1396	1966	1277	1362
1500 - 1600	1109	1227	1974	1368	1523	1967	1213	1414
1600 - 1700	1022	1373	2084	1249	1555	2086	1181	1438
1700 - 1800	1061	1222	1991	1398	1623	1848	1291	1443
1800 - 1900	1246	999	1703	1105	1182	1380	957	1324
1900 - 2000	746	698	1200	840	760	1059	682	1052
2000 - 2100	489	452	772	569	549	663	469	771
2100 - 2200	341	355	530	530	482	542	291	517
2200 - 2300	247	270	457	414	253	400	246	439
2300 - 0000	126	169	271	208	100	268	190	287
0700 - 1900	11771	12919	22337	14657	16164	21531	14671	15830
0600 - 2200	14353	14950	26079	17012	18331	24393	16553	18647
0600 - 0000	14726	15389	26807	17634	18684	25061	16989	19373
0000 - 0000	15167	15798	27353	18126	18938	25547	17258	19698



Figure 3.2 Comparison of Hamble Lane (Primary School) Flow Profile

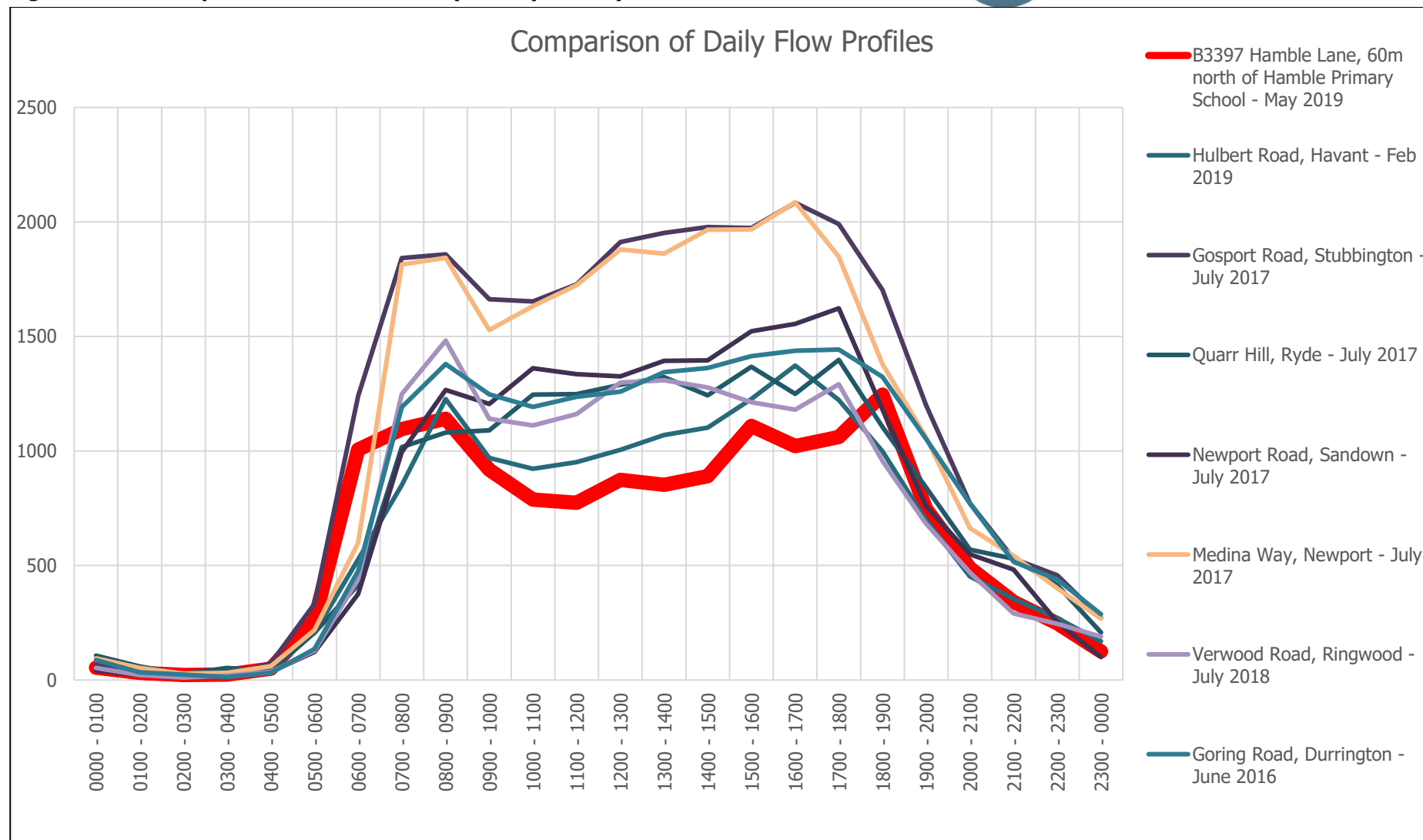


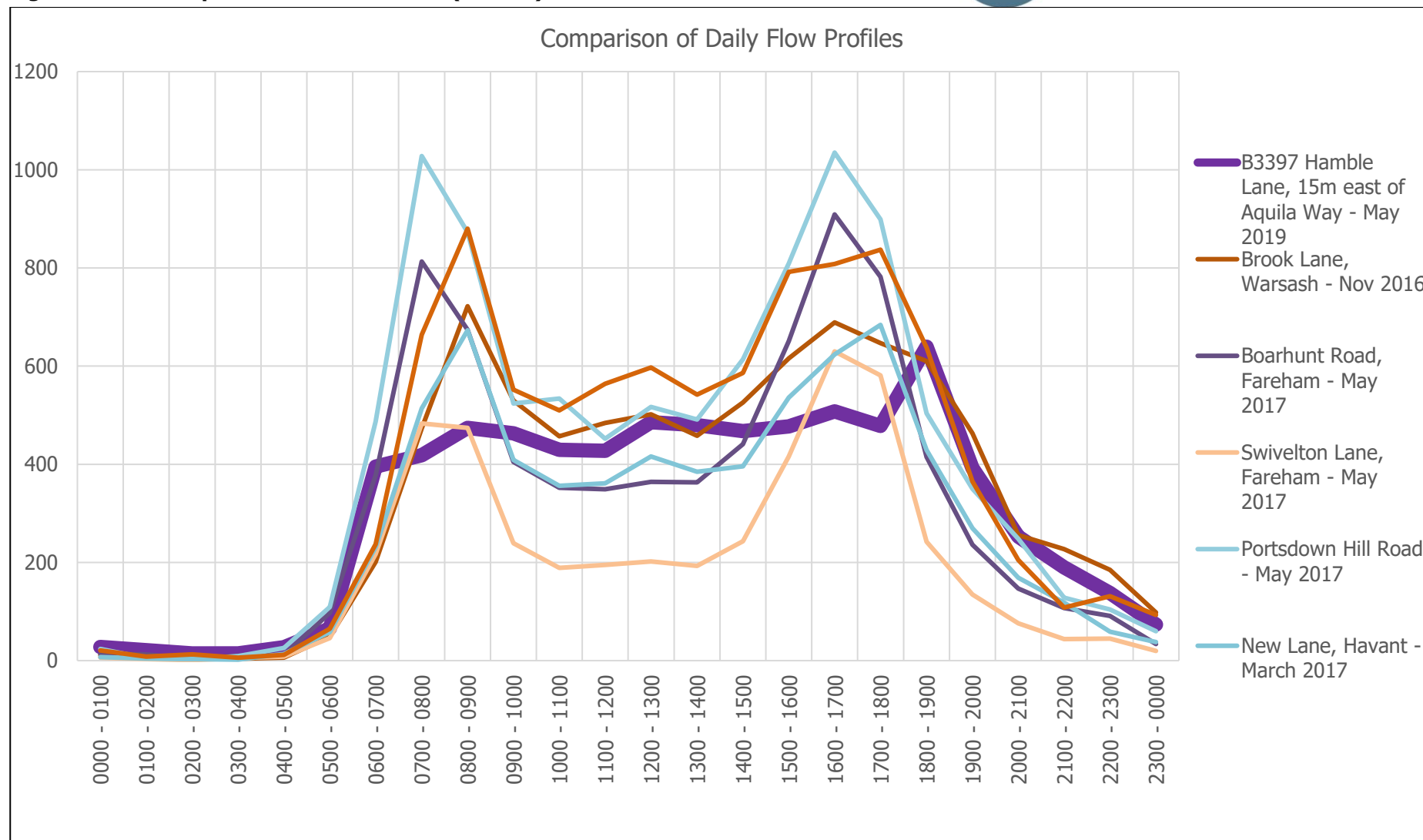


Table 3.3 Comparison of Hamble Lane (Central) with Regional Roads

	B3397 Hamble Lane, 15m east of Aquila Way - May 2019	Brook Lane, Warsash - Nov 2016	Boarhunt Road, Fareham - May 2017	Swivelton Lane, Fareham - May 2017	Portsdown Hill Road - May 2017	New Lane, Havant - March 2017	Andover Road, Newbury - March 2018
0000 - 0100	28	11	14	6	24	7	21
0100 - 0200	21	9	13	3	5	4	8
0200 - 0300	15	4	3	1	3	3	13
0300 - 0400	15	4	10	5	9	2	6
0400 - 0500	27	6	12	8	26	14	12
0500 - 0600	65	49	97	46	109	58	65
0600 - 0700	395	201	378	217	487	231	237
0700 - 0800	418	473	813	483	1028	514	664
0800 - 0900	474	722	674	474	873	673	880
0900 - 1000	463	530	405	239	524	409	552
1000 - 1100	429	457	352	189	534	356	510
1100 - 1200	428	484	349	195	452	361	564
1200 - 1300	486	502	364	202	517	416	597
1300 - 1400	480	458	363	193	491	385	542
1400 - 1500	467	526	441	243	614	396	586
1500 - 1600	477	616	651	416	809	536	792
1600 - 1700	508	689	909	630	1035	624	808
1700 - 1800	478	647	782	581	899	684	837
1800 - 1900	640	610	415	242	504	429	638
1900 - 2000	392	463	236	135	350	270	365
2000 - 2100	253	256	147	76	248	169	205
2100 - 2200	190	227	107	44	128	118	108
2200 - 2300	138	185	91	45	104	59	131
2300 - 0000	73	98	34	20	60	38	93
0700 - 1900	5749	6714	6518	4087	8280	5783	7970
0600 - 2200	6979	7861	7386	4559	9493	6571	8885
0600 - 0000	7190	8144	7511	4624	9657	6668	9109
0000 - 0000	7362	8227	7660	4693	9833	6756	9234



Figure 3.3 Comparison of Hamble Lane (Central) Flow Profile

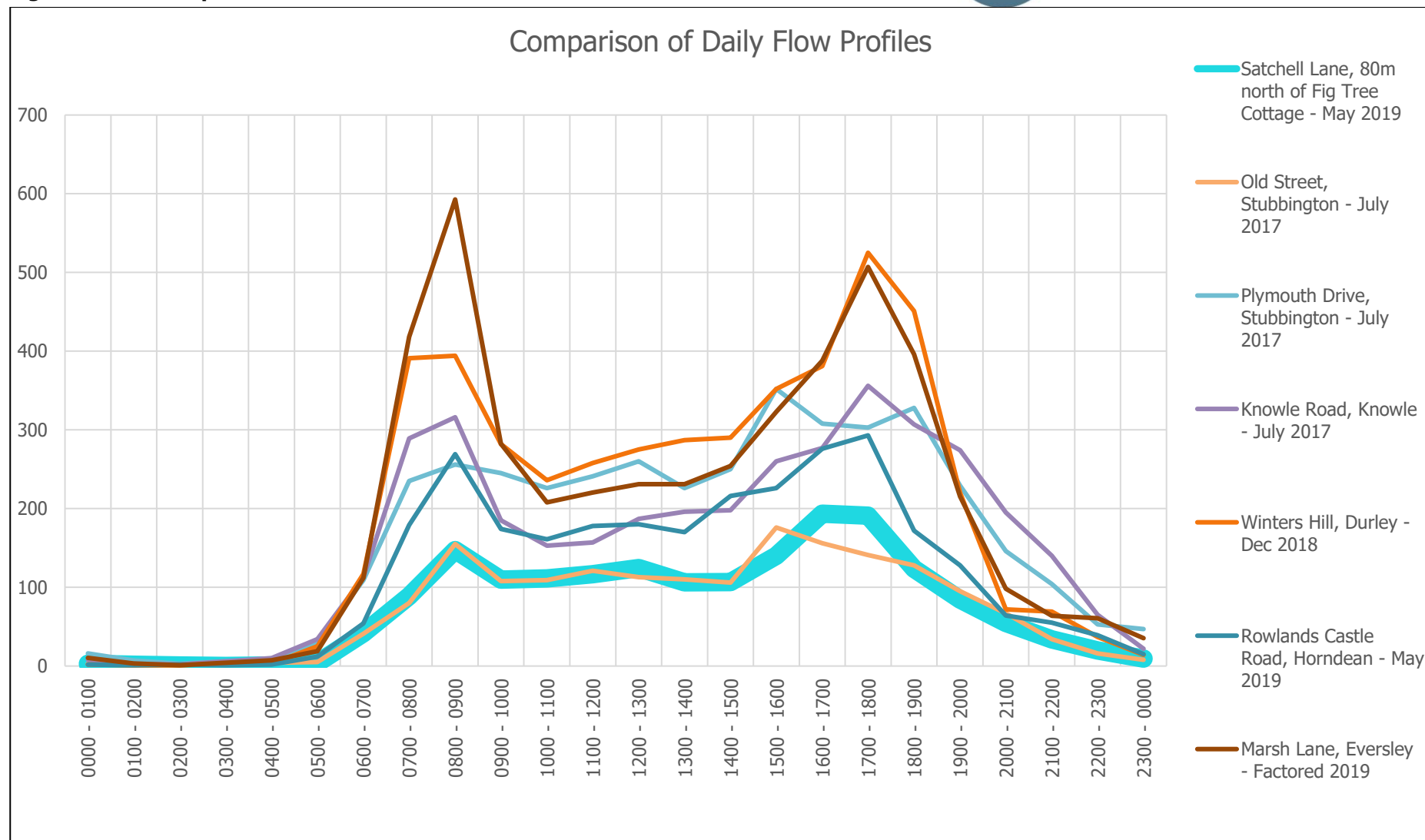


**Table 3.4 Comparison of Satchell Lane (Central) with Regional Roads**

	Satchell Lane, 80m north of Fig Tree Cottage - May 2019	Old Street, Stubbington - July 2017	Plymouth Drive, Stubbington - July 2017	Knowle Road, Knowle - July 2017	Winters Hill, Durley - Dec 2018	Rowlands Castle Road, Horndean - May 2019	Marsh Lane, Eversley - Factored 2019
0000 - 0100	3	3	16	8	2	2	10
0100 - 0200	2	1	7	3	1	1	3
0200 - 0300	1	1	3	2	1	2	1
0300 - 0400	0	4	6	6	3	1	4
0400 - 0500	1	4	5	10	3	2	7
0500 - 0600	4	5	30	34	25	12	19
0600 - 0700	42	41	109	113	117	54	112
0700 - 0800	89	80	235	289	391	179	418
0800 - 0900	147	155	256	316	394	269	593
0900 - 1000	110	108	245	185	282	174	282
1000 - 1100	111	109	226	153	236	161	208
1100 - 1200	117	121	241	157	258	178	221
1200 - 1300	124	113	260	187	275	180	231
1300 - 1400	106	110	226	196	287	170	231
1400 - 1500	107	106	250	198	290	216	254
1500 - 1600	140	176	352	260	352	226	323
1600 - 1700	194	156	308	277	381	276	388
1700 - 1800	191	141	303	356	525	293	507
1800 - 1900	124	128	328	307	451	172	396
1900 - 2000	84	95	229	274	220	128	215
2000 - 2100	55	67	146	195	72	64	98
2100 - 2200	34	34	104	140	69	55	64
2200 - 2300	20	16	53	65	37	39	61
2300 - 0000	9	8	47	22	14	15	36
0700 - 1900	1559	1503	3230	2881	4122	2494	4052
0600 - 2200	1774	1740	3818	3603	4600	2795	4541
0600 - 0000	1803	1764	3918	3690	4651	2849	4637
0000 - 0000	1813	1782	3985	3753	4686	2869	4682



Figure 3.4 Comparison of Satchell Lane Flow Profile



Traffic Management Measures

Recommendations

- 3.12 In terms of recommended traffic management measures to reduce congestion within the local area, these could include:
- Intelligent Traffic System (ITS) – road network performance can be monitored and adjusted in real-time.
 - Mobile Traffic App – a mobile phone application which sends the user notifications/ alerts of network congestion in the local area.

4 Summary and Conclusion

Summary

- 4.1 WYG have been commissioned by Hamble Parish Council to undertake several surveys within the Hamble area, to record traffic movements and carriageway speed. WYG commissioned Automatic Traffic Count (ATC) surveys from Friday 10th May – Thursday 23rd May 2019. This was undertaken by a specialist independent survey company.
- 4.2 Total traffic flows across the week were recorded at the survey sites, along with the composition of traffic (e.g. the split of cars/buses/HGVs etc), and average and 85th percentile speeds (i.e. the speed below which 85% of traffic was travelling).

Next Steps

- 4.3 The information recorded by the specialist independent survey company should be used to engage with Hampshire County Council and Eastleigh Borough Council to identify potential improvement schemes to alleviate traffic issues in Hamble, and produce a list of highways schemes including ITS measures that Hamble Parish Council can promote for the benefit residents and businesses within Hamble.

