

## Report

Output from the speed and traffic monitoring equipment purchased by the Council

During May/June our first records were obtained from the lamppost close to the bridge across the old railway cutting on Warwick Road. The records are for vehicles entering the village.

The second installation records vehicle data in the 40mph limit area on Banbury Road in July, again tracking detail for traffic approaching the village.

The third installation was placed in Bridge Street as from 10 September.

We must accept that by using a single piece of equipment the information has flaws (eg we are only recording snapshots, the information doesn't tell us where the traffic goes to eg Warwick Road turning left or right at the T junction at the church etc).

However it does provide us with an accurate benchmark. The plan is that by the year end it is intended to have set the benchmark for volume and average speed of traffic entering the village on all five main routes. Following this, we can then repeat the exercise but for traffic leaving the village to provide us with more intelligence about which direction the traffic is going and when. We can then repeat the recordings year after year after year to identify trends.

We haven't yet been able to compare our data with that of the traffic survey conducted in week commencing 3 September by the County Council because we haven't received the County Council's detail. But we have compared it with the data recorded by the consultants employed by the company who planned to develop the site next to the High School.

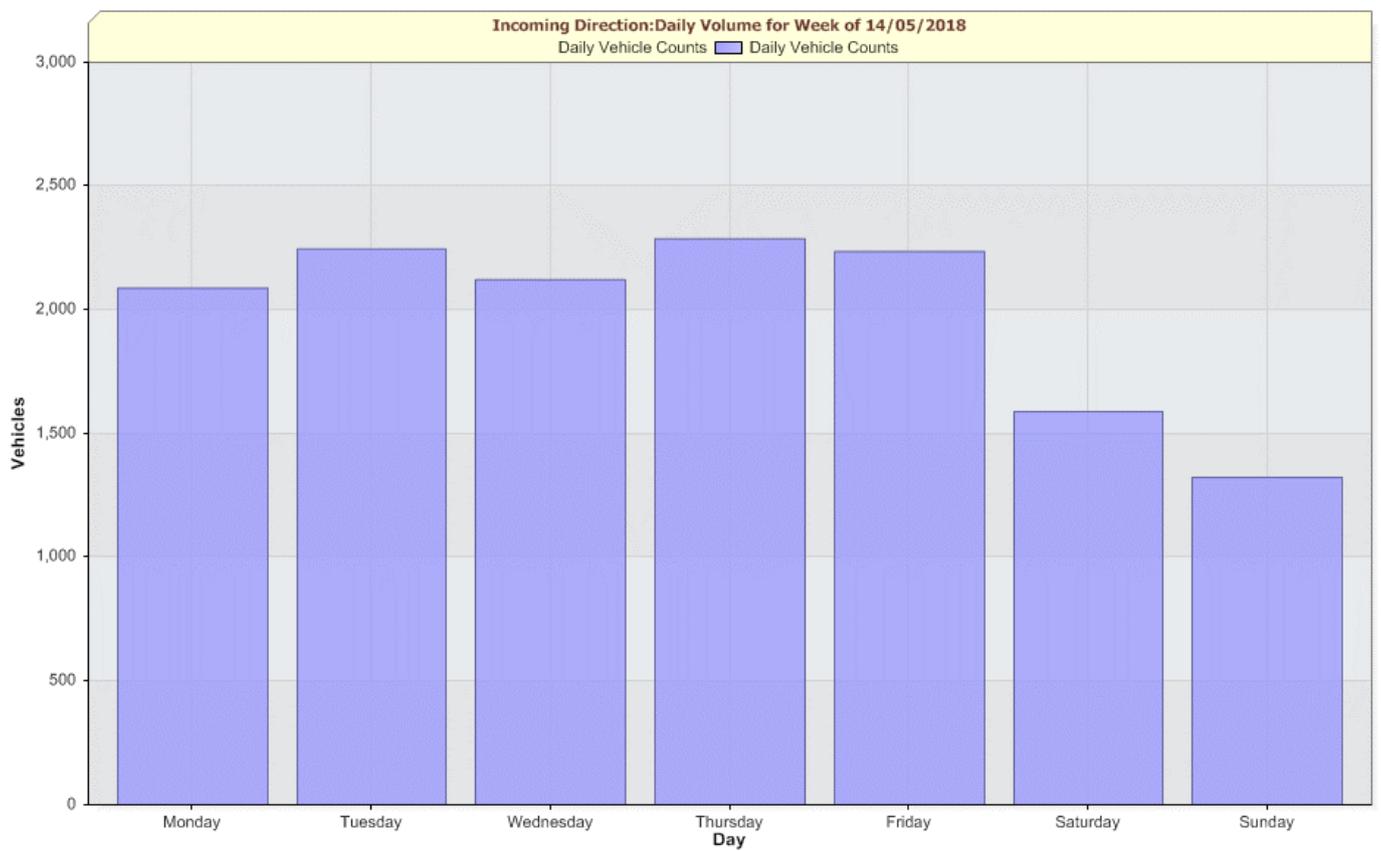
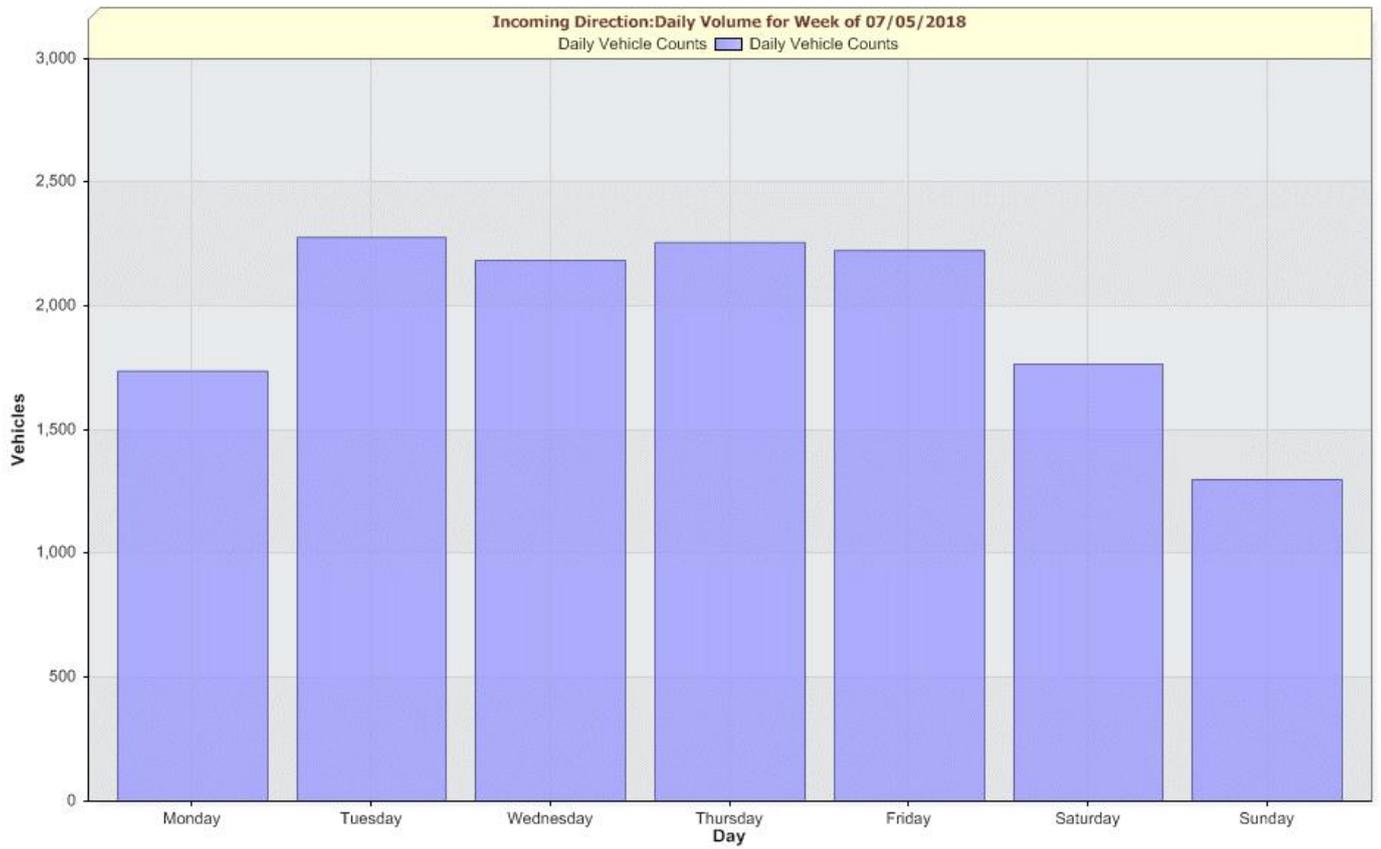
Increases in traffic volumes into the village have been recorded at 4.9% on Warwick Road and 5.3% on Banbury Road between November 2014 and June/July 2018 (see Appendix 2 for evidence)

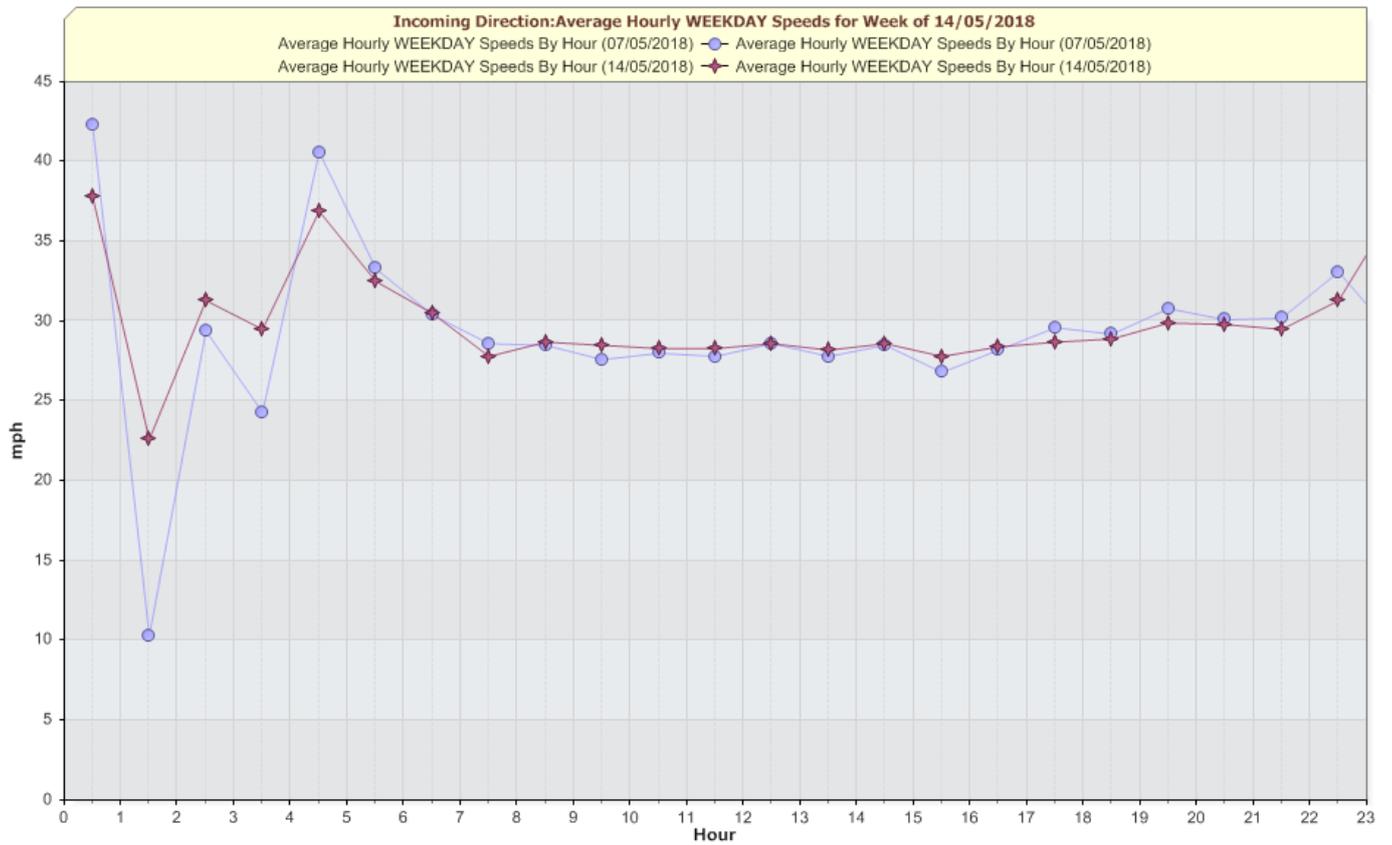
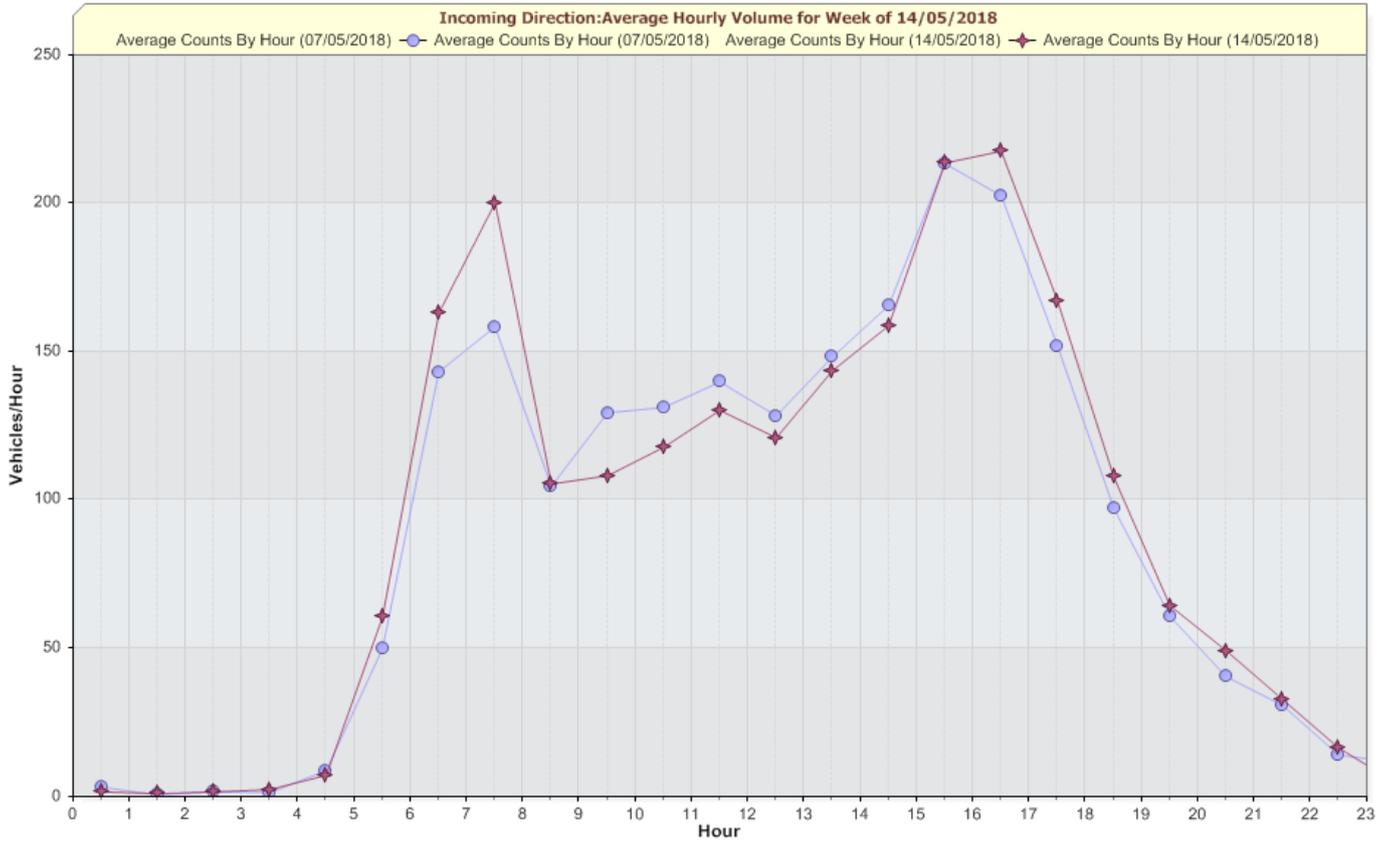
Appendix 1 provides graphical interpretations of the information we have collected to date. These demonstrate several aspects;

- That average speeds indicate general adherence to speed limits but there are clearly spikes with some vehicles travelling greater than the permitted speed limit to achieve an average speed just below the permitted level.
- Most week days have generated in excess of 3,000 vehicles per day entering the village from just two routes. When the data is available from the other three routes, it can be expected that the daily midweek average of vehicles entering the village will be c5,000. We may need to consider the means of demonstrating whether this is excessive or not for our village road network.
- The monitoring of traffic leaving the village is anticipated to give us more intelligence about the traffic volume and pressure on each road that may merit some highways treatment eg it is anticipated that there will be proportionately higher traffic using Southam Road going to JLR/Aston Martin and the M40.

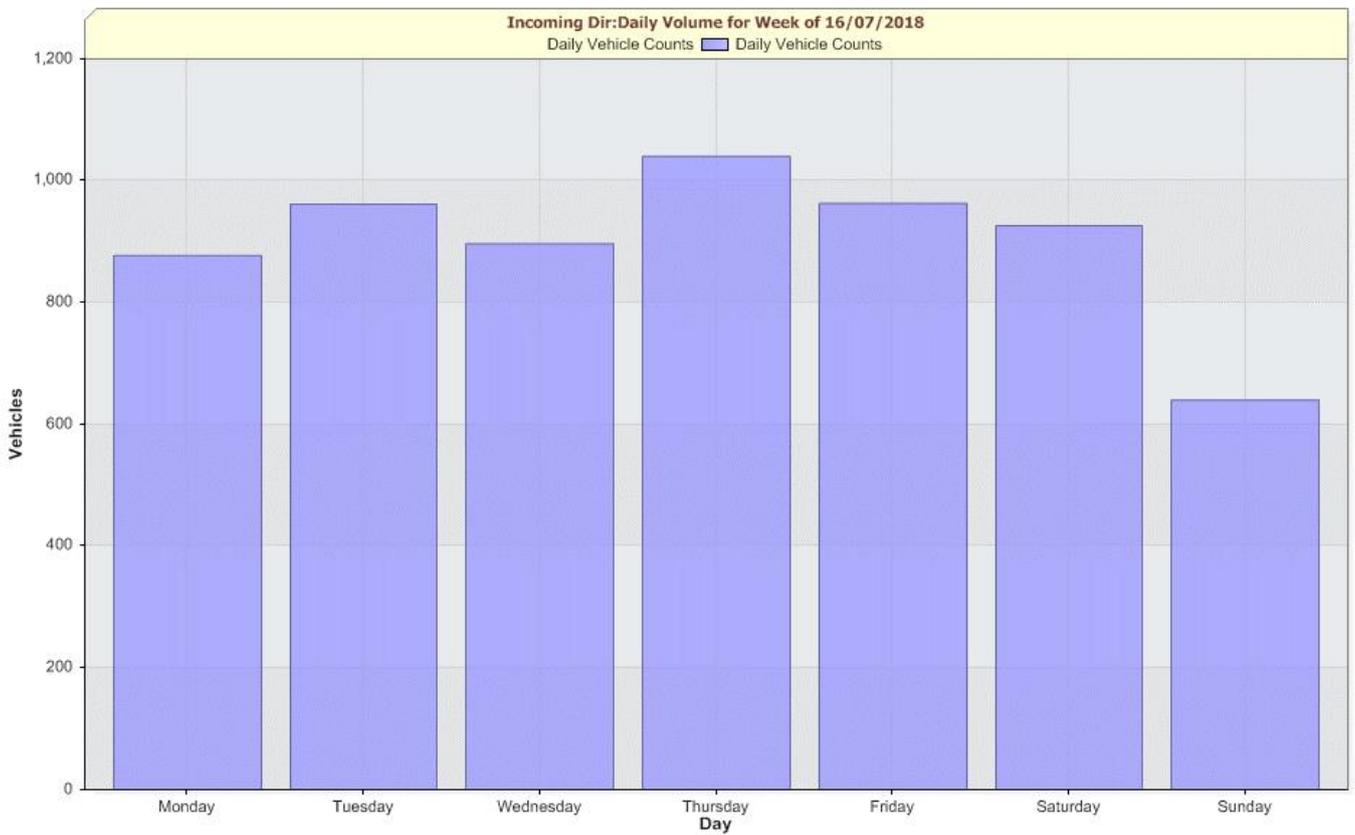
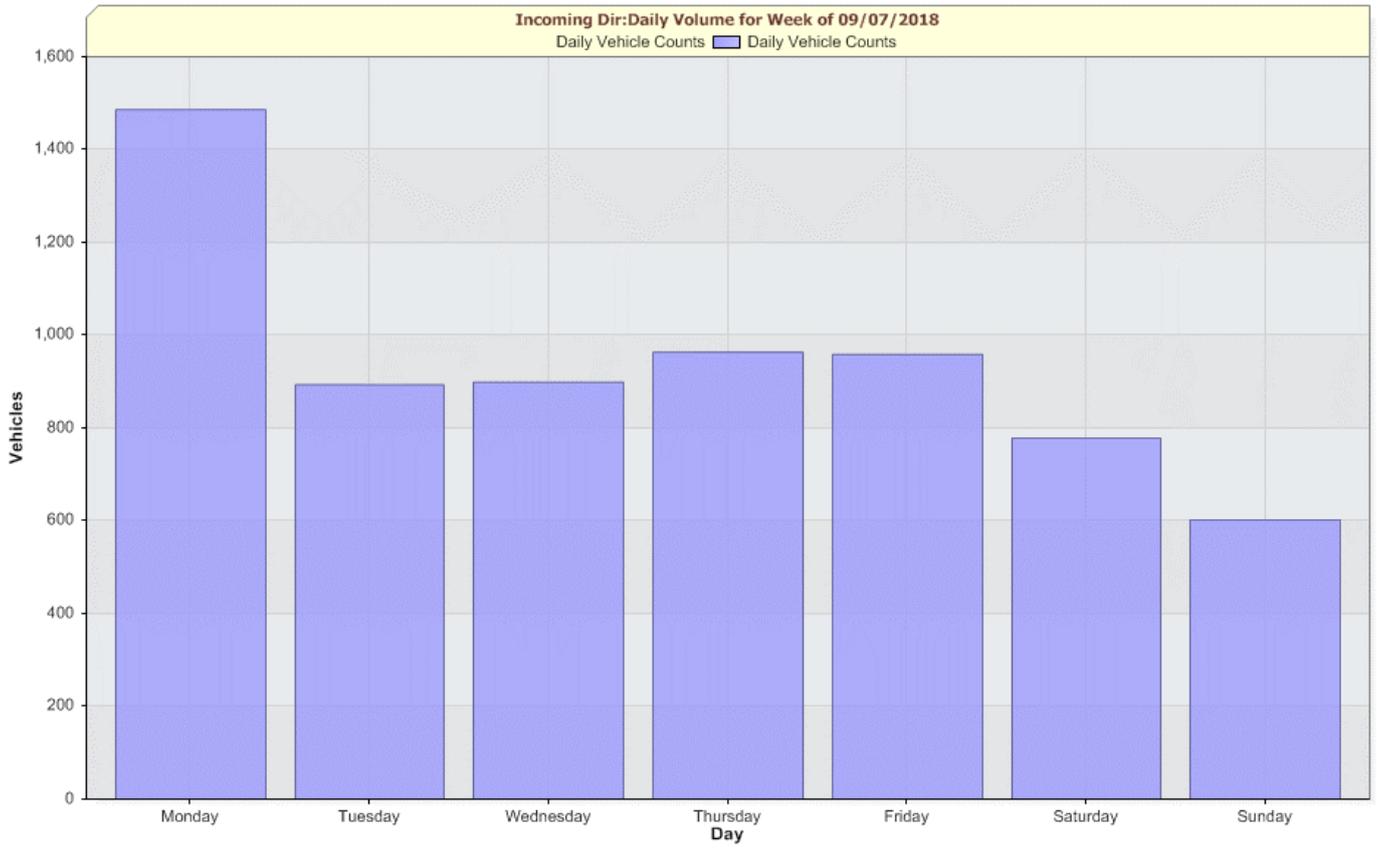
# Appendix 1

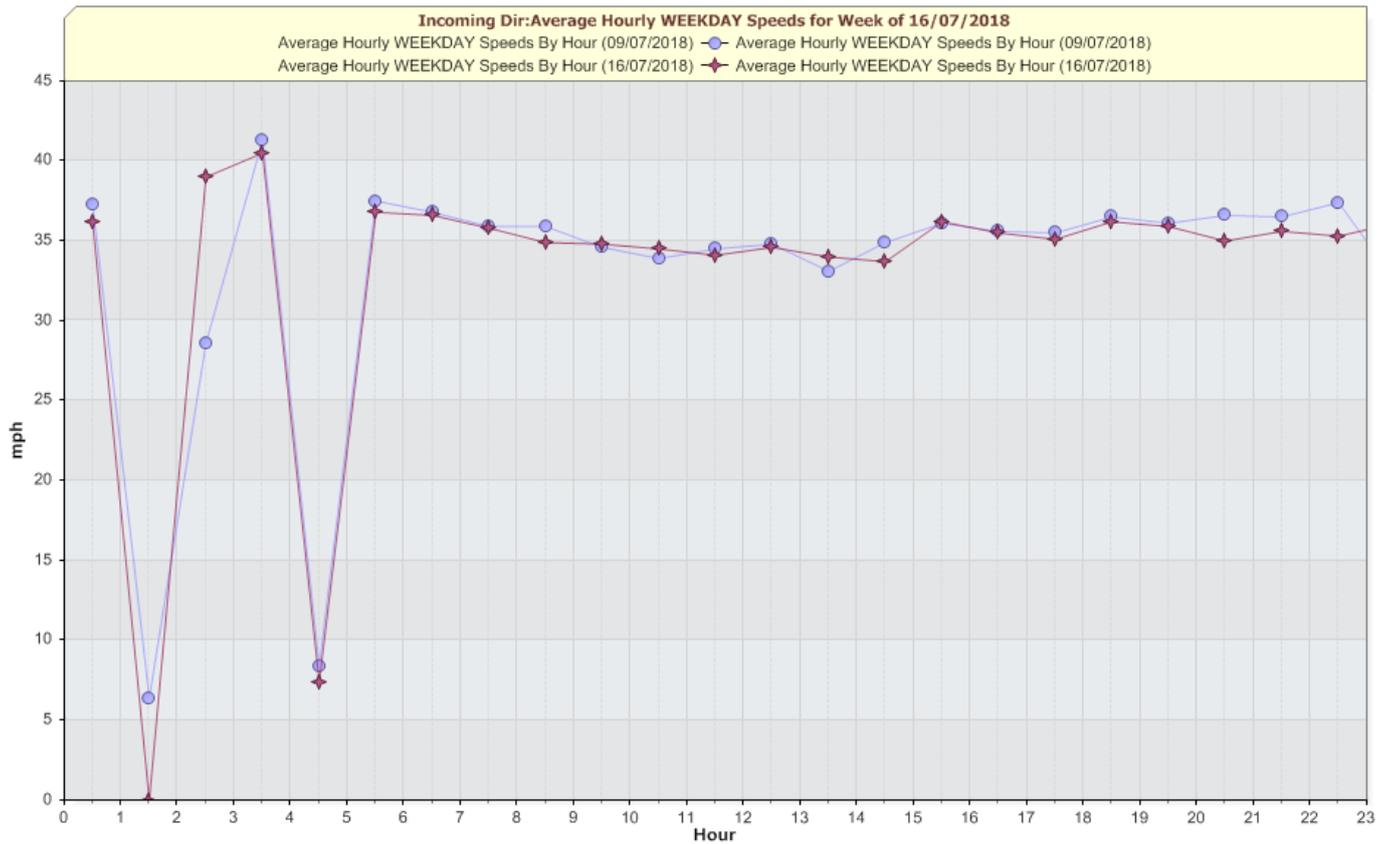
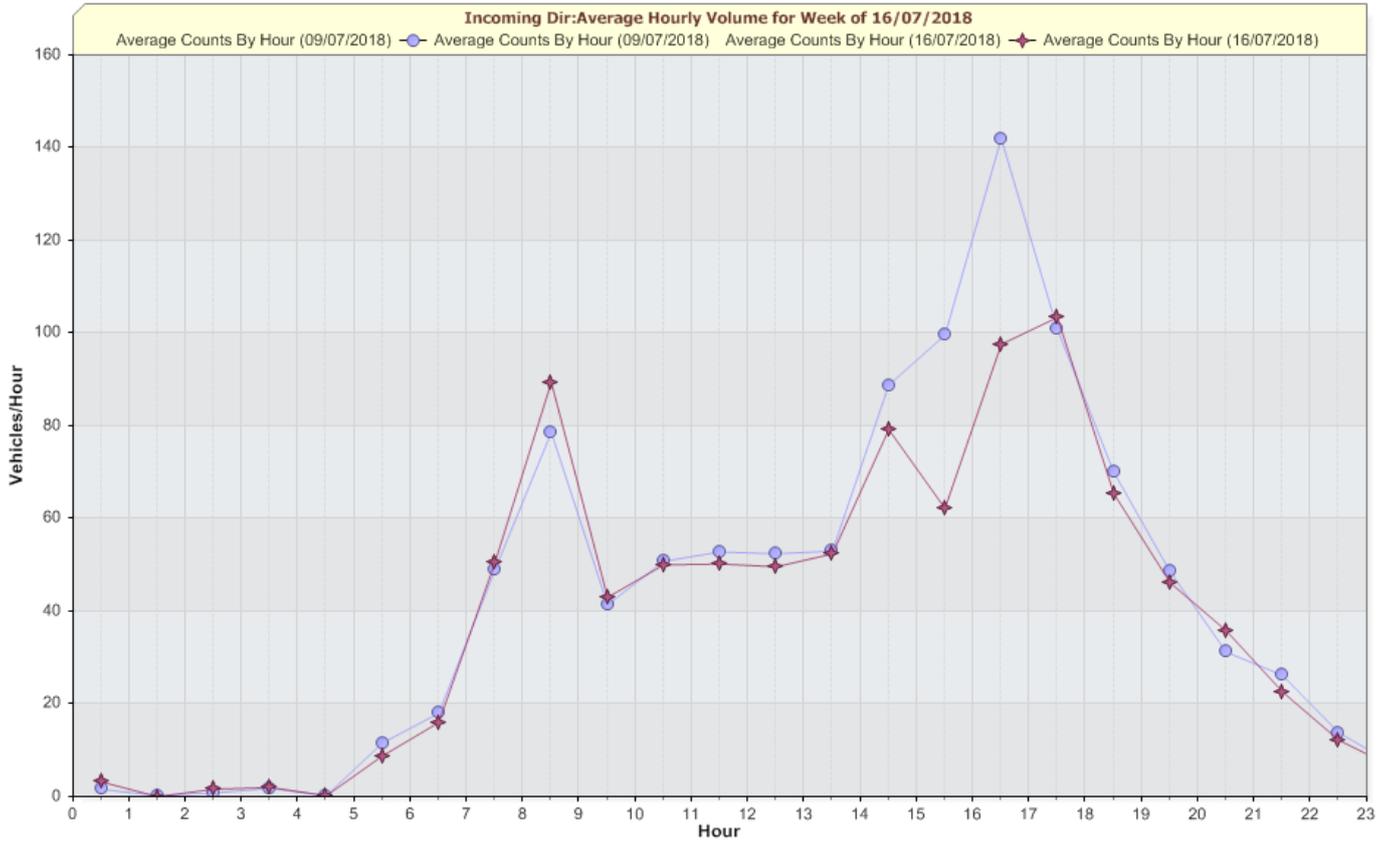
## Warwick Road





# Banbury Road





## Appendix 2

Location	Date of monitoring	Average 7 day weekly volumes	increase
Warwick Road	November 2014	1803	
	June 2018	1892	4.9%
Banbury Road	November 2014	813	
	July 2018	856	5.3%

## Source Data

### Hurlestone report for Sharba

18223		KINETON		Site No: 18223001		Location		Site 1, Warwick Road, Kineton (Kineton Sign)	
Channel: Southeastbound									
TIME PERIOD	Wed 12/ 11/ 14	Thu 13/ 11/ 14	Fri 14/ 11/ 14	Sat 15/ 11/ 14	Sun 16/ 11/ 14	Mon 17/ 11/ 14	Tue 18/ 11/ 14	5-Day Av	7-Day Av
Week Begin: 12-Nov-14									
00:00	1	6	3	27	12	3	6	4	8
01:00	3	3	1	5	9	3	2	2	4
02:00	1	1	0	5	6	0	1	1	2
03:00	0	0	1	1	1	1	1	1	1
04:00	3	1	2	0	1	2	2	2	2
05:00	10	12	12	5	2	11	10	11	9
06:00	64	54	54	1	3	81	58	62	45
07:00	295	312	259	23	11	353	278	299	219
08:00	209	213	185	47	39	230	236	215	166
09:00	106	111	120	86	54	126	100	113	100
10:00	78	92	96	110	61	106	135	101	97
11:00	79	110	110	125	87	112	103	103	104
12:00	130	102	122	117	92	102	118	115	112
13:00	86	99	93	139	89	107	186	114	114
14:00	125	125	115	109	91	117	135	123	117
15:00	135	135	125	111	86	110	156	132	123
16:00	146	160	157	115	86	168	186	163	145
17:00	160	166	165	67	71	157	221	174	144
18:00	119	111	100	66	49	128	153	122	104
19:00	91	92	79	51	33	63	130	91	77
20:00	53	32	47	38	21	47	54	47	42
21:00	37	39	43	28	14	20	40	36	32
22:00	28	33	21	23	14	23	21	25	23
23:00	15	12	30	26	12	4	9	14	15
12H,7-19	1668	1736	1647	1115	816	1816	2007	1775	1544
16H,6-22	1913	1953	1870	1233	887	2027	2289	2010	1739
18H,6-24	1956	1998	1921	1282	913	2054	2319	2050	1778
24H,0-24	1974	2021	1940	1325	944	2074	2341	2070	1803

18223		KINETON		Site No: 18223004		Location		Site 4, Banbury Road, Kineton (School Sign)	
Channel: Westbound									
TIME PERIOD	Wed 12/ 11/ 14	Thu 13/ 11/ 14	Fri 14/ 11/ 14	Sat 15/ 11/ 14	Sun 16/ 11/ 14	Mon 17/ 11/ 14	Tue 18/ 11/ 14	5-Day Av	7-Day Av
Week Begin: 12-Nov-14									
00:00	0	2	0	6	7	3	1	1	3
01:00	0	0	0	3	2	0	0	0	1
02:00	2	0	1	0	2	0	1	1	1
03:00	1	1	0	4	0	1	1	1	1
04:00	0	2	0	0	0	1	0	1	0
05:00	5	5	3	1	0	6	7	5	4
06:00	17	14	16	6	3	16	18	16	13
07:00	54	60	51	16	8	67	64	59	46
08:00	98	98	85	38	13	95	97	95	75
09:00	37	36	51	69	24	40	53	43	44
10:00	33	41	56	54	31	58	45	47	45
11:00	45	56	47	72	53	36	67	50	54
12:00	50	57	60	71	48	65	45	55	57
13:00	47	49	58	51	42	49	48	50	49
14:00	60	64	75	59	67	67	64	66	65
15:00	56	70	85	63	64	39	89	68	67
16:00	105	111	75	61	59	116	124	106	93
17:00	62	63	64	43	35	70	83	68	60
18:00	56	48	59	44	20	51	78	58	51
19:00	36	40	53	30	11	39	29	39	34
20:00	16	22	18	18	10	19	21	19	18
21:00	18	18	14	12	11	18	19	17	16
22:00	12	13	17	13	5	9	11	12	11
23:00	6	8	15	4	1	5	2	7	6
12H,7-19	703	753	766	641	464	753	857	766	705
16H,6-22	790	847	867	707	499	845	944	859	786
18H,6-24	808	868	899	724	505	859	957	878	803
24H,0-24	816	878	903	738	516	870	967	887	813

## TRAFFIC ANALYSIS REPORT

For Project: Warwick Road to Pittern Hill install 6 May

Location/Name: Incoming Direction

Report Generated: 11/09/2018 09:19:04

Speed Intervals = 5 mph

Time Intervals = 5 minutes

Traffic Report From 06/05/2018 10:00:00 through 02/07/2018 08:10:00

85th Percentile Speed = 35.1 mph

85th Percentile Vehicles = 27,958 counts

**Max Speed = 70.0 mph on 09/05/2018 00:40:00**

Total Vehicles = 32,892 counts

AADT: 577.8

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily	2,057	1,892	
AM peak	7:00 to 8:00	185	144
PM peak	4:00 to 5:00	218	187

Speed

Speed limit: 35 mph

85th Percentile Speed: 35.1 mph

Average Speed: 29.0 mph

## TRAFFIC ANALYSIS REPORT

For Project: Banbury Road towards Banbury install 3 July 2018

Location/Name: Incoming Dir

Report Generated: 11/09/2018 09:09:10

Speed Intervals = 5 mph

Time Intervals = 5 minutes

Traffic Report From 03/07/2018 16:15:00 through 24/07/2018 18:30:00

85th Percentile Speed = 41.5 mph

85th Percentile Vehicles = 14,737 counts

**Max Speed = 80.0 mph on 11/07/2018 22:30:00**

Total Vehicles = 17,338 counts

AADT: 821.9

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily	914	856	
AM peak	8:00 to 9:00	84	66
PM peak	4:00 to 5:00	114	97

Speed

Speed limit: 40 mph

85th Percentile Speed: 41.5 mph

Average Speed: 35.1 mph