

Quarterly report on speed and traffic monitoring: February – November 2020

a) Nailstone Road, street lighting column 4, northbound vehicles 17th February – 23rd March 2020 (before Covid-19 lockdown)

For Project: Nailstone Rd C4 Nbd
 Location/Name: Incoming Dir
 Report Generated: 03/08/2020 12:24:16 PM
 Speed Intervals = 5 MPH
 Time Intervals = Instant

Traffic Report from 17/02/2020 10:00:00 am through 23/03/2020 11:59:59 pm

85th Percentile Speed = 37.9 MPH
 85th Percentile Vehicles = 23,348 counts
 Max Speed = 60.0 MPH on 28/02/2020 06:40:00
 Total Vehicles = 27,468 counts
 AADT: 771.9

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		867	762
AM peak	08:00 to 09:00	133	102
PM peak	05:00 to 06:00	74	62

Speed

Speed limit: 30 MPH
 85th Percentile Speed: 37.9 MPH
 50th Percentile Speed: 32.0 MPH
 10 MPH Pace Interval: 30.0 MPH to 40.0 MPH
 Average Speed: 31.9 MPH

	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Count over limit	3070	2854	2910	3078	2939	1766	1398
% over limit	65.9	65.3	66.2	67.0	66.2	63.6	62.6
Avg speeder	35.1	35.1	35.1	35.2	35.3	35.2	35.0

Storm episodes

There are no storm episodes in these data. This site is sheltered by buildings and trees.

b) Nailstone Road, street lighting column 4, northbound vehicles 29th March – 17th April 2020 (after Covid-19 lockdown)

For Project: Nailstone Rd C4 Nbd
 Location/Name: Incoming Dir

Report Generated: 03/08/2020 12:27:07 PM

Speed Intervals = 5 MPH

Time Intervals = Instant

Traffic Report from 29/03/2020 12:00:00 am through 17/04/2020 06:59:59 pm

85th Percentile Speed = 34.0 MPH

85th Percentile Vehicles = 5,519 counts

Max Speed = 55.0 MPH on 01/04/2020 18:35:00

Total Vehicles = 6,493 counts

AADT: 328.1

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		355	322
AM peak	10:00 to 11:00	29	27
PM peak	03:00 to 04:00	33	28

Speed

Speed limit: 30 MPH

85th Percentile Speed: 34.0 MPH

50th Percentile Speed: 28.3 MPH

10 MPH Pace Interval: 25.0 MPH to 35.0 MPH

Average Speed: 27.1 MPH

	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
Count over limit	344	432	441	441	399	216	236
% over limit	36.9	39.9	39.5	38.3	38.1	39.0	38.9
Avg speeder	33.9	34.2	34.1	34.0	34.0	33.6	33.8

Storm episodes

There are no storm episodes in these data. This site is sheltered by buildings and trees.

c) Bosworth Road, street lighting column 6, southbound vehicles 3rd August to 31st August 2020: complete data set

For Project: 2020 Bosworth Rd C6 Sbd

Location/Name: Incoming

Report Generated: 31/08/2020 05:49:32 PM

Speed Intervals = 5 MPH

Time Intervals = Instant

Traffic Report from 03/08/2020 11:00:00 am through 31/08/2020 09:59:59 pm

85th Percentile Speed = 40.1 MPH

85th Percentile Vehicles = 18,006 counts

Max Speed = 70.0 MPH on 07/08/2020 06:50:00

Total Vehicles = 21,183 counts

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		744	738
AM peak	09:00 to 10:00	53	55
PM peak	12:00 to 01:00	60	59

Speed

Speed limit: 30 MPH
 85th Percentile Speed: 40.1 MPH
 50th Percentile Speed: 32.6 MPH
 10 MPH Pace Interval: 30.0 MPH to 40.0 MPH
 Average Speed: 30.4 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	1761	2008	2202	2217	2231	1728	1458
% over limit	71.7	73.5	76.5	70.0	53.7	69.1	44.2
Avg speeder	36.9	37.1	37.1	37.0	37.1	37.1	37.0

Storm episodes

There were eight significant storm episodes on three days:

Date	Time	No of spurious counts
13/8	1225-1330	269
16/8	0550-0655	337
	1345-1350	36
	1615-1640	119
	1720-1850	624
28/8	1205-1215	245
	1340-1505	83
	1625-2230	1077

Total spurious counts 2790
 = 13.2% of total counts

The analysis below uses selected data from 17th to 27th August.

d) Bosworth Road, street lighting column 6, southbound vehicles 3rd August to 31st August 2020: selected data

For Project: 2020 Bosworth Rd C6 Sbd
 Location/Name: Incoming
 Report Generated: 31/08/2020 07:55:20 PM
 Speed Intervals = 5 MPH
 Time Intervals = Instant

Traffic Report from 17/08/2020 12:00:00 AM through 27/08/2020 11:59:59 PM

85th Percentile Speed = 41.1 MPH
 85th Percentile Vehicles = 6,339 counts

Carlton Parish Council

Report number 2020-18

Max Speed = 65.0 MPH on 18/08/2020 20:55:00

Total Vehicles = 7,458 counts

AADT: 678.0

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		690	668
AM peak	07:00 to 08:00	55	56
PM peak	04:00 to 05:00	52	50

Speed

Speed limit: 30 MPH

85th Percentile Speed: 41.1 MPH

50th Percentile Speed: 33.9 MPH

10 MPH Pace Interval: 30.0 MPH to 40.0 MPH

Average Speed: 33.8 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	964	959	1118	1152	537	456	411
% over limit	73.4	75.4	76.3	76.7	79.1	72.2	69.1
Avg speeder	36.7	37.0	37.2	37.1	36.9	36.9	37.0

Storm episodes

There were no significant storm episodes in these data.

e) Bosworth Road, street lighting column 6, northbound vehicles 31st August to 20th September 2020

For Project: 2020 Bosworth Rd C6 Nbd

Location/Name: Incoming

Report Generated: 29/09/2020 06:18:41 PM

Speed Intervals = 5 MPH

Time Intervals = Instant

Traffic Report from 31/08/2020 10:00:00 am through 20/09/2020 11:59:59 pm

85th Percentile Speed = 44.0 MPH

85th Percentile Vehicles = 14,186 counts

Max Speed = 70.0 MPH on 31/08/2020 21:35:00

Total Vehicles = 16,690 counts

AADT: 810.9

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		843	794
AM peak	07:00 to 08:00	104	83
PM peak	02:00 to 03:00	103	90

Speed

Speed limit: 30 MPH
 85th Percentile Speed: 44.0 MPH
 50th Percentile Speed: 35.2 MPH
 10 MPH Pace Interval: 35.0 MPH to 45.0 MPH
 Average Speed: 34.3 MPH

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Count over limit	1451	1893	2001	2027	2182	1471	1248
% over limit	72.7	71.7	75.3	78.3	78.4	68.7	66.1
Avg speeder	39.2	39.1	39.2	39.3	38.9	38.5	38.5

Storm episodes

There was one very minor storm episode on 2nd September between 15.55 and 16.55hrs which created 53 spurious vehicle counts (0.32% of total counts). The inclusion of these counts does not affect the analysis above.

f) Barton Road, street lighting column 4, southbound vehicles 4th October to 2nd November 2020

For Project: 2020 Barton Rd C4 SBd
 Location/Name: Incoming
 Report Generated: 03/11/2020 01:52:04 PM
 Speed Intervals = 5 MPH
 Time Intervals = Instant

Traffic report from 04/10/2020 12:00:00 am through 02/11/2020 04:59:59 pm

85th Percentile Speed = 35.9 MPH
 85th Percentile Vehicles = 8,686 counts
 Max Speed = 55.0 MPH on 15/10/2020 15:55:00
 Total Vehicles = 10,219 counts
 AADT: 344.0

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		358	342
AM peak	07:00 to 08:00	40	32
PM peak	02:00 to 03:00	33	30

Speed

Speed limit: 30 MPH
 85th Percentile Speed: 35.9 MPH
 50th Percentile Speed: 29.4 MPH
 10 MPH Pace Interval: 30.0 MPH to 40.0 MPH
 Average Speed: 28.3 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	786	630	703	702	684	556	707
% over limit	50.7	45.8	43.3	47.7	46.8	45.9	46.4
Avg speeder	34.6	34.6	35.1	35.0	34.7	34.7	35.0

Storm episodes

There were several significant storm episodes on 2nd and 3rd October, which had a significant effect on the figures. These days have been excluded from the analysis above.

C J Peat
3rd November 2020