

**Quarterly report on speed and traffic monitoring**

**a) Main Street, street lighting column 18, westbound vehicles, 14<sup>th</sup> October to 24<sup>th</sup> November 2021**

For Project: 2021 Main St C18 W  
 Location/Name: Incoming  
 Report Generated: 24/11/2021 02:57:21 PM  
 Speed Intervals = 5 MPH  
 Time Intervals = Instant

**Traffic Report from 14/10/2021 10:00:00 am through 24/11/2021 02:59:59 pm**

85th Percentile Speed = 31.6 MPH  
 85th Percentile Vehicles = 16,188 counts  
 Max Speed = 60.0 MPH on 27/10/2021 00:20:00  
 Total Vehicles =19,045 counts  
 AADT: 462.2

**Volumes - weekly vehicle counts**

	Time	5 Day	7 Day
Average Daily		580	531
AM Peak	08:00 to 09:00	72	59
PM Peak	03:00 to 04:00	51	45

**Speed**

Speed Limit: 30 MPH  
 85th Percentile Speed: 31.6 MPH  
 50th Percentile Speed: 26.2 MPH  
 10 MPH Pace Interval: 25.0 MPH to 35.0 MPH  
 Average Speed: 25.6 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	647	554	502	595	686	511	387
% over limit	21.3	17.9	20.0	20.0	20.6	21.2	22.9
Average speeder	33.5	33.4	33.5	33.6	33.6	33.9	33.9

**Storm episodes**

There were three very minor storm episodes: two on 30<sup>th</sup> October (40 potentially spurious counts), and one on 31<sup>st</sup> October (45 spurious counts). These counts do not have a measurable effect on the summary data tabulated above.

**b) Main Street, street lighting column 18, westbound vehicles, 9<sup>th</sup> July to 11<sup>th</sup> August 2022**

For Project: 2022 Main St C18 WBd  
 Location/Name: Incoming  
 Report Generated: 22/08/2022 12:33:07 PM  
 Speed Intervals = 5 MPH  
 Time Intervals = Instant

**Traffic Report From 09/07/2022 04:00:00 PM through 11/08/2022 05:59:59 AM**

85th Percentile Speed = 32.7 MPH  
 85th Percentile Vehicles = 14,589 counts  
 Max Speed = 55.0 MPH on 13/07/2022 17:25:00  
 Total Vehicles =17,164 counts  
 AADT: 526.8

**Volumes - weekly vehicle counts**

	Time	5 Day	7 Day
Average Daily		565	506
AM Peak	06:00 to 07:00	56	43
PM Peak	04:00 to 05:00	48	41

**Speed**

Speed Limit: 30 MPH  
 85th Percentile Speed: 32.7 MPH  
 50th Percentile Speed: 26.9 MPH  
 10 MPH Pace Interval: 25.0 MPH to 35.0 MPH  
 Average Speed: 26.3 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	764	650	806	621	702	500	472
% over limit	26.8	23.5	25.8	25.1	30.0	26.8	27.1
Avg Speeder	33.6	33.7	33.8	33.5	33.8	33.9	33.6

**Storm episodes**

There were no storm episodes in this data set.

**c) Bosworth Road, street lighting column 6, northbound vehicles 22<sup>nd</sup> August to 21<sup>st</sup> September 2022**

For Project: 2022 Bosworth Rd C6 NBd  
 Location/Name: Incoming  
 Report Generated: 27/09/2022 02:41:03 PM  
 Speed Intervals = 5 MPH  
 Time Intervals = Instant

**Traffic Report From 22/08/2022 11:00:00 am through 21/09/2022 07:59:59 am**

85th Percentile Speed = 43.2 MPH  
 85th Percentile Vehicles = 20,297 counts  
 Max Speed = 80.0 MPH on 16/09/2022 20:55:00  
 Total Vehicles =23,879 counts  
 AADT: 799.3

**Volumes - weekly vehicle counts**

	Time	5 Day	7 Day
Average Daily		820	770
AM Peak	07:00 to 08:00	78	63
PM Peak	02:00 to 03:00	92	80

**Speed**

Speed Limit: 30 MPH  
 85th Percentile Speed: 43.2 MPH  
 50th Percentile Speed: 34.4 MPH  
 10 MPH Pace Interval: 30.0 MPH to 40.0 MPH  
 Average Speed: 32.7 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	2155	3059	2707	2716	2640	1943	1547
% over limit	55.7	76.2	76.5	70.8	76.8	69.0	65.3
Avg Speeder	38.6	38.7	38.7	38.6	38.6	38.2	38.3

**Storm episodes**

There were four major storm episodes in this data set:

8.9.2022	1245-1415	224 vehicles
8.9.2022	1705-1745	167 vehicles
5.9.2022	0020-0135	556 vehicles
5.9.2022	2155-2305	534 vehicles

There were also some minor storm episodes involving false counts of around 50 vehicles. Altogether, almost all of the 2003 vehicle counts in the 5-10 mph speed class could be attributed to false counts.

Analyses as above were carried out on the data for the two periods 22.8.2022 – 4.9.2022, and 9.9.2022 – 21.9.2022, omitting the four most serious storm episodes.

	22.8-21.9	22.8-4.9	9.9-21.9
85th Percentile Speed	43.2	43.4	43.5
50th Percentile Speed	34.4	35.0	35.1
Average Speed	32.7	34.0	34.6

The false counts in the 5-10 mph speed class had the effect of increasing the 85<sup>th</sup> percentile speed by 0.2 and 0.3 mph; the 50<sup>th</sup> percentile speed by 0.6 and 0.7 mph; and reducing the average speed by 1.3 and 1.9 mph respectively.

These differences are not considered significant.

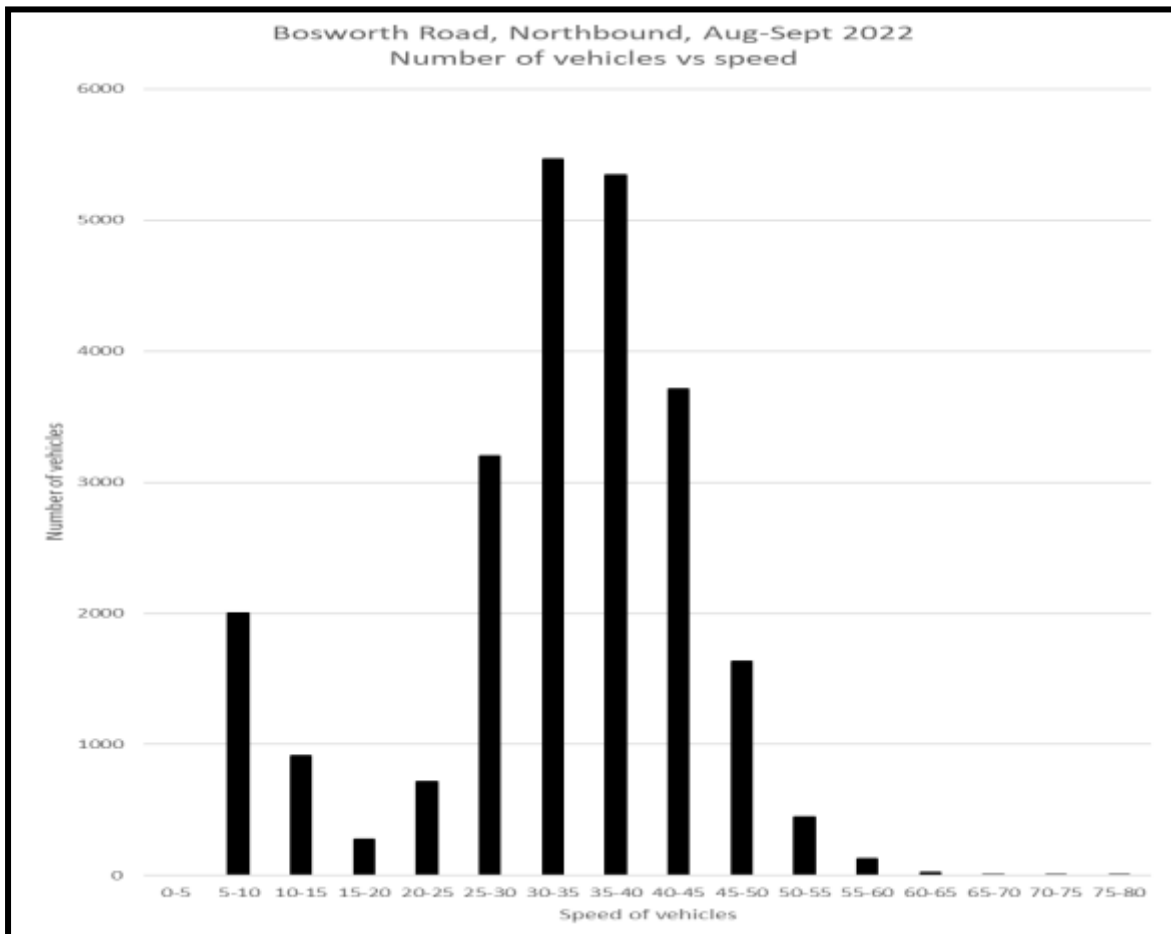
**Additional data analysis**

The raw data was examined; the summary table below prepared; and the data plotted on the chart overleaf.

It was noted that although the maximum speed recorded was 80 mph on 16<sup>th</sup> September, only 1 vehicle was recorded in the 75-80 mph speed class during the survey period. Similarly, only 1 vehicle was recorded in the 70-75 mph speed class.

Out of the 23,879 vehicles recorded, only 33 were travelling at more than 60 mph.

<b>Speed class mph</b>	<b>Count</b>
0-5	0
5-10	2003
10-15	914
15-20	277
20-25	719
25-30	3199
30-35	5467
35-40	5344
40-45	3711
45-50	1637
50-55	446
55-60	129
60-65	26
65-70	5
70-75	1
75-80	1
<b>Total</b>	<b>23879</b>



**d) Main Street, early September 2022**

The Leicestershire County Council Department of Planning & Transportation carried out two speed surveys in Main Street, using two wires stretched across the road. The results are tabulated below.

Site A - East of Congerstone Lane

	Mean	85th percentile speed
All traffic (Both directions)	27.2 mph	32.8 mph
Northeastbound traffic	25.8 mph	31.1 mph
Southwestbound traffic	28.5 mph	34.1 mph

Site B – West of Barton Road

	Mean	85th percentile speed
All traffic (Both directions)	26.1 mph	31.5 mph
Northeastbound traffic	25.4 mph	31.3 mph
Westbound traffic	26.8 mph	31.9 mph

**e) Barton Road, street lighting column 4, southbound vehicles, 27<sup>th</sup> September to 26<sup>th</sup> October 2022**

For Project: 2022 Barton Rd C4 SBd  
 Location/Name: Incoming  
 Report Generated: 26/10/2022 10:33:32 AM  
 Speed Intervals = 5 MPH  
 Time Intervals = Instant

**Traffic Report From 27/09/2022 02:00:00pm through 26/10/2022 09:59:59am**

85th Percentile Speed = 37.2 MPH  
 85th Percentile Vehicles = 8,979 counts  
 Max Speed = 60.0 MPH on 09/10/2022 19:05:00  
 Total Vehicles = 10,563 counts  
 AADT: 366.3

**Volumes - weekly vehicle counts**

	Time	5 Day	7 Day
Average Daily		356	352
AM Peak	07:00 to 08:00	55	46
PM Peak	03:00 to 04:00	32	30

**Speed**

Speed Limit: 30 MPH  
 85th Percentile Speed: 37.2 MPH  
 50th Percentile Speed: 30.4 MPH

10 MPH Pace Interval: 25.0 MPH to 35.0 MPH  
Average Speed: 29.2 MPH

	Mon	Tues	Wed	Thur	Fri	Sat	Sun
Count over limit	808	881	1000	842	818	639	522
% over limit	58.8	52.0	57.0	53.6	56.7	48.0	37.3
Avg Speeder	35.5	35.4	35.2	35.6	35.1	35.3	35.1

**Storm episodes**

There were two minor storm flurries between 0635 and 0845 hrs on 23<sup>rd</sup> October which generated 250 false counts. These false counts are not significant and have not been excluded from the figures above.

**Chart**



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26.10.2022