

Carlton Parish Council

Speed Indicator Device (SID): Interim report

1. Bosworth Road, street lighting column 6, northbound vehicles, 13 September – 9 October 2024

For Project: Bosworth Rd C6 Nbd

Location/Name: Incoming

Report Generated: 15/10/2024 10:18:45

Speed Intervals = 5 MPH

Time Intervals = Instant

Traffic Report from 13/09/2024 14:00:00 through 09/10/2024 08:59:59

85th Percentile Speed = 42.5 MPH

85th Percentile Vehicles = 21,522 counts

Max Speed = 70.0 MPH on 28/09/2024 22:55:00

Total Vehicles = 25,320 counts

AADT: 981.7

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		1,036	936
AM Peak	08:00 to 09:00	104	80
PM Peak	16:00 to 17:00	151	125

Speed

Speed Limit: 30 MPH

85th Percentile Speed: 42.5 MPH

50th Percentile Speed: 33.2 MPH

10 MPH Pace Interval: 30.0 MPH to 40.0 MPH

Average Speed: 29.9 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	2610	2757	2321	2123	2713	2028	1469
% over limit	52.1	56.0	61.7	77.5	80.1	71.1	55.7
Avg Speeder	38.6	38.3	38.3	38.3	38.8	38.1	39.1
Avg Speed	13.9	14.9	16.0	20.4	20.8	22.7	19.7

Storm episodes

There were nine significant storm episodes in this data set:

Date	Time	Number of false counts
21.9.24	1615-1725	110
22.9.24	100-1020	153
22.9.24	1525-1630	378
	1715-1940	496
29.9.24	1715-1735	149
	2115-2200	270
30.9.24	0200-0600	2223
8.10.24	0840-0900	135
	1630-2025	1022
Total		4936

In the chart below, the anomalously high counts for 5-10 and 10-15 mph are accounted for by the total above.

These false counts will have had a significant effect on the data in the summary above: see the analysis of selected data below. The vehicle numbers and speeds above 15mph recorded in the chart are not affected.

Data

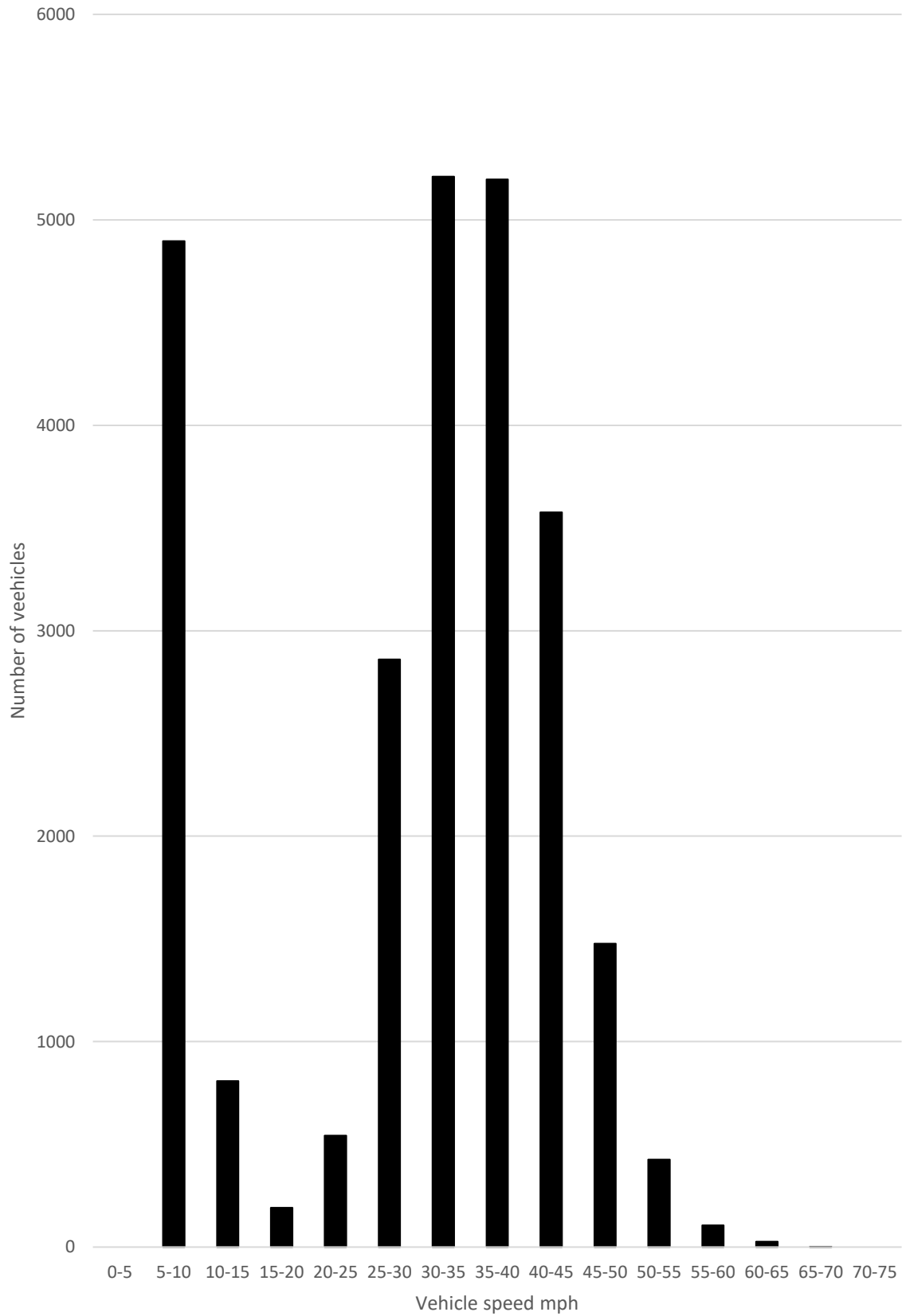
Speed mph	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
No of vehicles	0	4896	898	192	542	2861	5211	5197

Speed mph	40-45	45-50	50-55	55-60	60-65	65-70	70-75
No of vehicles	3576	1477	426	106	26	2	0

Chart

See next page.

Bosworth Road, Northbound
October 2024



2. Selected data: Bosworth Road, street lighting column 6, northbound vehicles, 13-28 September 2024

This data selection omits the false counts on and after September 29th.

For Project: 2024.10.15 Bosworth Rd C6 Nbd

Location/Name: Incoming

Report Generated: 15/10/2024 15:48:56

Speed Intervals = 5 MPH

Time Intervals = Instant

Traffic Report from 13/09/2024 14:00:00 through 28/09/2024 23:59:59

85th Percentile Speed = 43.3 MPH

85th Percentile Vehicles = 11,461 counts

Max Speed = 70.0 MPH on 28/09/2024 22:55:00

Total Vehicles = 13,483 counts

AADT: 874.6

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		949	856
AM Peak	08:00 to 09:00	105	79
PM Peak	16:00 to 17:00	144	119

Speed

Speed Limit: 30 MPH

85th Percentile Speed: 43.3 MPH

50th Percentile Speed: 34.7 MPH

10 MPH Pace Interval: 30.0 MPH to 40.0 MPH

Average Speed: 32.9 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	1298	1457	1445	1386	1941	1472	706
% over limit	80.2	80.1	54.0	77.2	81.6	70.2	64.4
Avg Speeder	38.5	38.5	38.4	38.4	39.0	38.1	39.3
Avg Speed	21.4	20.6	14.2	20.7	21.2	22.8	22.6

C J Peat.

15 October 2024