

Carlton Parish Council

Speed Indicator Device (SID): interim report

Main Street, street lighting column 18, eastbound vehicles, 7th July 2023 to 5th August 2023

Location/Name: Incoming
Report Generated: 24/08/2023 10:44:13
Speed Intervals = 5 MPH
Time Intervals = Instant

Traffic Report from 07/07/2023 11:00:00 through 05/08/2023 09:59:59

85th Percentile Speed = 29.0 MPH
85th Percentile Vehicles = 18,167 counts
Max Speed = 45.0 MPH on 10/07/2023 16:40:00
Total Vehicles = 21,373 counts
AADT: 738.1

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		691	709
AM Peak	07:00 to 08:00	44	50
PM Peak	15:00 to 16:00	72	64

Speed

Speed Limit: 30 MPH
85th Percentile Speed: 29.0 MPH
50th Percentile Speed: 22.8 MPH
10 MPH Pace Interval: 20.0 MPH to 30.0 MPH
Average Speed: 20.3 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	293	286	292	268	354	215	147
% over limit	10.6	10.1	9.1	10.1	12.0	4.7	6.2
Avg Speeder	32.9	32.9	33.0	33.0	33.0	33.0	32.8
Avg Speed	13.0	12.9	11.7	14.1	14.7	7.0	10.9

Storm episodes

The weather during the survey period was characterised by squally showers, and this is reflected in the fact that 23 significant storm episodes were detected in a visual scan of the raw data.

Date	Time	No of spurious counts
8.7.2023	1035-1040	26
	1155-1200	15
	1935-2020	357
	2110-2135	119
9.7.23	1625-1715	149
10.7.23	2205-2215	33
11.7.23	1155-1225	139
	2023-1610	132
12.7.23	1235-1305	67
	1340-1350	104
13.7.23	1435-1515	147
15.7.23	1035-1050	135
	1215-1310	88
16.7.23	1115-1140	189
	1315-1450	221
	1650-1705	95
22.7.23	0725-1540	1349
	1945-2240	386
26.7.23	1445-1710	177
	1910-2115	342
30.7.23	1705-1745	112
31.7.23	1125-1250	207
	2035-2045	90
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Total		4679

Minor storm episodes were not counted. In the table below the total count of 5298 vehicles travelling at 5-10 mph is probably inflated by 5000, and possibly more.

Table of total vehicle counts by speed class

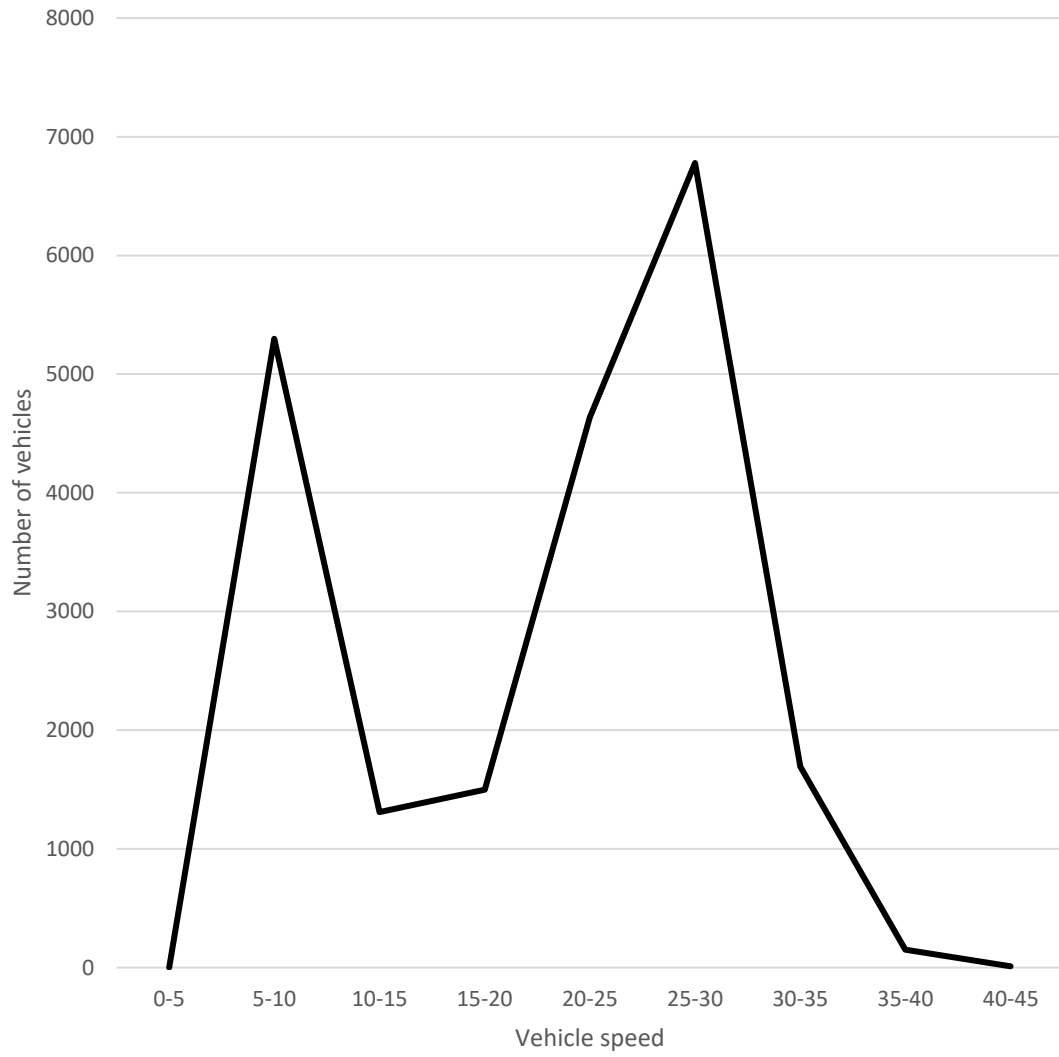
Vehicle Speed	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45
Total counts	0	5298	1309	1498	4634	6779	1693	152	10

Total number of counts: 21,373.

Chart

In the chart overleaf, the left hand peak can safely be ignored.

Main Street Eastbound vehicles July 2023



C J Peat
24th August 2023