

Carlton Parish Council
Speed Indicator Device (SID): interim report

Main Street, street lighting column 18, Eastbound vehicles
30th October to 10th December 2025

For Project: 2025 Main St C18 EBd
Location/Name: Incoming
Report Generated: 10/12/2025 10:42:21
Speed Intervals = 5 MPH
Time Intervals = Instant

Traffic Report From 30/10/2025 12:00:00 through 10/12/2025 11:59:59

85th Percentile Speed = 28.8 MPH
85th Percentile Vehicles = 24,277 counts
Max Speed = 55.0 MPH on 10/11/2025 15:45:00
Total Vehicles = 28,561 counts*
AADT: 696.6

- these figures are inaccurate because of the high number of spurious low-speed counts due to storm conditions.

Volumes - weekly vehicle counts*

	Time	5 Day	7 Day
Average Daily*		783	756
AM Peak*	09:00 to 10:00	102	80
PM Peak*	16:00 to 17:00	88	75

Speed*

Speed Limit: 30 MPH
85th Percentile Speed: 28.8 MPH*
50th Percentile Speed: 23.1 MPH*
10 MPH Pace Interval: 20.0 MPH to 30.0 MPH
Average Speed: 20.9 MPH*

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Count over limit	303	266	317	337	365	237	233
% over limit*	6.2	6.0	7.9	8.1	8.7	5.2	9.8
Avg Speeder	32.8	33.0	32.8	32.9	33.1	33.1	33.0

Storm episodes

There were 17 significant storm episodes in this data set, as well as short bursts of spurious counts.

Date	Time	Number of false counts
31.10.2025	1425-1500	142
1.11.2025	0110-0145	194
3.11.2025	0240-0350	106
4.11.2025	1915-2145	275
10.11.2025	0250-0510	270
	1510-1545	176
	1725-1755	61
11.11.2025	2120-2355	531
12.11.2025	0752-1040	257
19.11.2025	0045-0145	94
22.11.2025	0615-0735	332
	0945-1310	1100
28.11.2025	1435-1455	244
29.11.2025	0545-0755	479
1.12.2025	0210-0305	109
	0845-1125	202
	2005-2245	420
Total		4992

Spurious counts are mainly caused by sheets of rain being blown towards the radar speed detector. These show up in the raw data as high numbers of low-speed counts.

Subtracting the total number of spurious counts in the table above from the number of vehicles detected at 5-10 mph in the chart data table below gives a more realistic total of 966 vehicles travelling at 5-10 mph. This figure conforms to the bell shape of the chart.

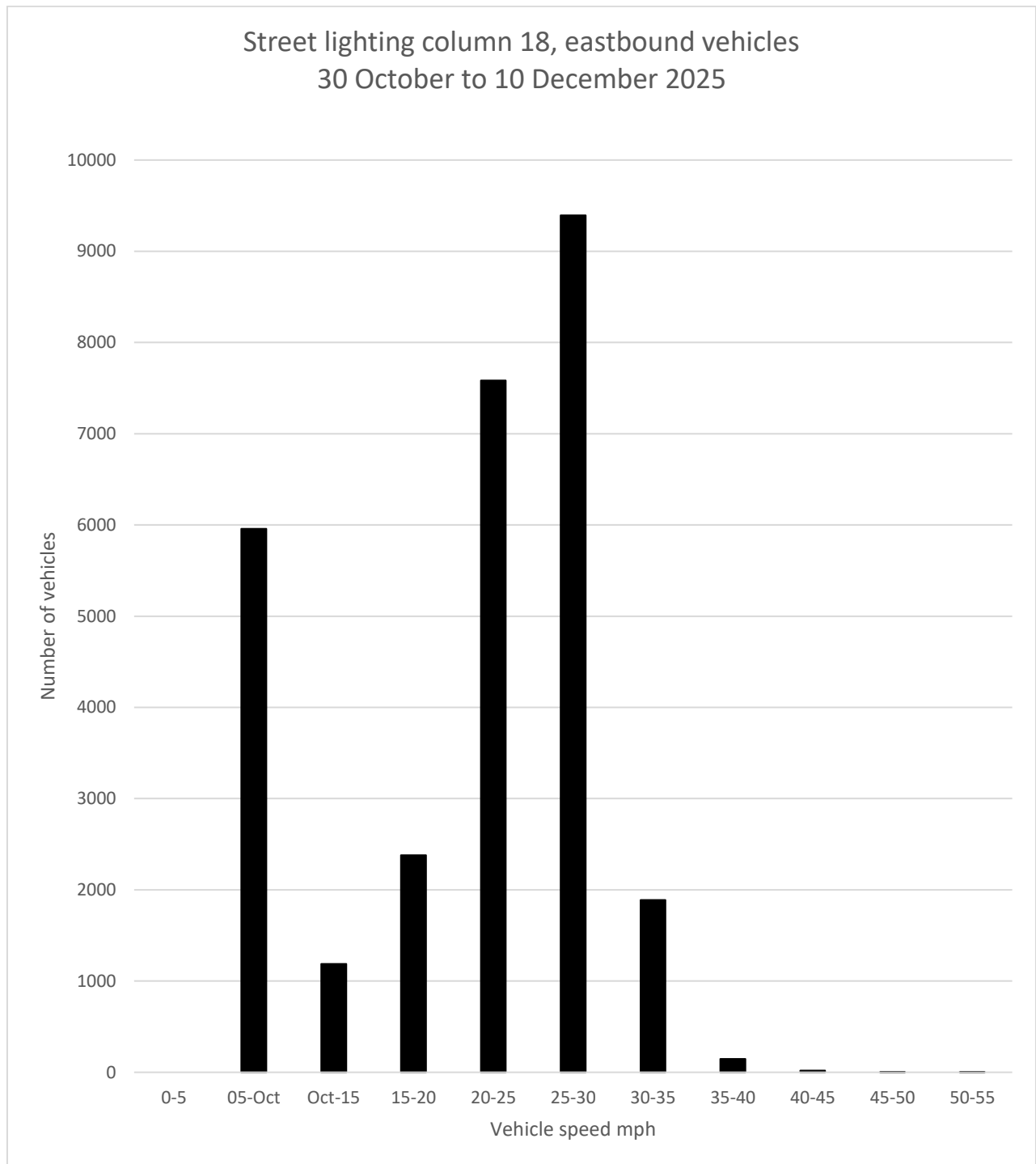
Unfortunately, the spurious low-speed counts cannot be excluded from the analysis package which means that the weekly vehicle counts are too high and the average speed and the % of vehicles speeding are too low.

Chart data

Speed mph	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40
No of vehicles	0	5958	1188	2379	7584	9394	1890	147

Speed mph	40-45	45-50	50-55	55-60	60-65	65-70	70-75	75-80
No of vehicles	19	1	1	0	0	0	0	0

Chart



C J Peat
10 December 2025