

Carlton Parish Council

Speed Indicator Device (SID): Interim report

a) Barton Road, street lighting column 4, northbound vehicles 26th October to 24th November 2022

This report includes numerous storm episodes and is of doubtful value: see list of storm episodes and analysis of selected data below.

For Project: Barton Rd C4 NBd
Location/Name: Incoming
Report Generated: 13/12/2022 10:38:31 AM
Speed Intervals = 5 MPH
Time Intervals = Instant

Traffic Report From 26/10/2022 09:00:00 am through 24/11/2022 07:59:59 am

85th Percentile Speed = 30.5 MPH
85th Percentile Vehicles = 21,536 counts
Max Speed = 60.0 MPH on 16/11/2022 12:55:00
Total Vehicles = 25,336 counts
AADT: 874.9

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		982	844
AM Peak	08:00 to 09:00	108	83
PM Peak	04:00 to 05:00	110	90

Speed

Speed Limit: 30 MPH
85th Percentile Speed: 30.5 MPH
50th Percentile Speed: 18.4 MPH
10 MPH Pace Interval: 5.0 MPH to 15.0 MPH
Average Speed: 18.9 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	574	648	783	652	601	467	377
% over limit	16.2	9.5	13.1	27.4	23.2	22.3	19.7
Avg Speeder	34.0	34.4	34.3	34.1	34.3	34.4	34.7

Storm episodes

There were 14 storm episodes and some insignificant storm events during the survey period. Three of the storm episodes listed below (marked *) had a significant impact on the report above, and their spacing made it difficult to select a good sequence of measurements.

Date	Time	No of spurious counts
28.10.2022	0545-0550	36
	0535-0640	227
31.10.22	1910-2015	133
	2210-0000	272
1.11.22	1115-1210	212
2.11.22	1600-1930	*1733
6.11.22	1345-1430	132
8.11.22	0130-0315	526
	1840-1925	247
15.11.22	0445-1300	*3314
20.11.22	0225-0350	220
21.11.22	1045-1320	575
	1505-1730	445
23.11.22	0640-0920	*1386

Selected data from the period 26th October to 1st November is tabulated below, and gives a more accurate picture of vehicle speeds.

b) Barton Road, street lighting column 4, northbound vehicles, 26th October to 1st November 2022 – selected data

For Project: Barton Rd C4 NBd
Location/Name: Incoming
Report Generated: 13/12/2022 03:10:24 PM
Speed Intervals = 5 MPH
Time Intervals = Instant

Traffic Report From 26/10/2022 09:00:00 am through 01/11/2022 11:59:59pm

85th Percentile Speed = 32.2 MPH
85th Percentile Vehicles = 4,132 counts
Max Speed = 55.0 MPH on 01/11/2022 18:50:00
Total Vehicles = 4,861 counts
AADT: 733.7

Volumes - weekly vehicle counts

	Time	5 Day	7 Day
Average Daily		744	694
AM Peak	11:00 to 12:00	74	64

Speed

Speed Limit: 30 MPH

85th Percentile Speed: 32.2 MPH

50th Percentile Speed: 22.9 MPH

10 MPH Pace Interval: 25.0 MPH to 35.0 MPH

Average Speed: 21.0 MPH

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Count over limit	162	172	137	170	144	157	97
% over limit	15.9	17.9	30.6	27.3	21.5	21.9	22.9
Avg Speeder	34.5	34.4	34.7	34.6	34.4	34.7	35.0

The selected data discussed above contains a significant number of storm episodes, which are responsible for the anomalous peak in the 5-10 mph speed range in the chart below.

