



# Mount Prospect Public Works Department

## INTEROFFICE MEMORANDUM

TO: DIRECTOR OF PUBLIC WORKS  
FROM: PROJECT ENGINEER  
DATE: OCTOBER 22, 2024  
SUBJECT: FNSP – S. WILLIAM STREET – ELIGIBILITY

24 hour traffic counts were completed on South William Street from 10/16/2024 – 10/17/2024. Counters were placed at 615 S. William Street and 806 S. William Street to capture the speed and volume of vehicles on the street. These traffic counts were compared to historical counts.

Minimum Criteria as outlined in the Friendly Neighborhood Streets Program include:

- An average speed at least 3 MPH above the speed limit (28 MPH) or
- An 85<sup>th</sup> percentile speed at least 7 MPH above the speed limit (32 MPH) or
- William Street is defined as a “collector street” per section 18.133 in the Village Code, therefor the volume criteria outlined in the Friendly Neighborhood Streets Program is not applicable
  - An average daily traffic of at least 1000 vehicles or
  - A peak hour volume of at least 120 vehicles

The below table shows traffic count results.

Year	Location	Average Speed	85% Speed	Average Volume	Peak Hour Volume
2024	615 S. William St.	28.1	35.3	1374.5	150
2024	806 S. William St.	27.1	35.4	1679.0	149
2015	S. Council Trail	26.7	32.9	1274	N/A
2005	S. Council Trail	28.4	34.4	1265.5	N/A
2013	N. Berkshire Lane	27.1	32.7	1218.6	N/A
2008	808 S. William St.	27	33	1623	N/A
2006	808 S. William St.	27.5	N/A	1721	N/A
2006	N. Sunset Road	26.2	31.6	1711	N/A

Orange highlighted cells meet minimum criteria

Based on the traffic counts showing the 600 – 800 blocks of South William Street meeting minimum eligibility requirements, Staff recommends moving forward to the next step in the traffic calming process as outlined in the Friendly Neighborhood Streets Program.

Luke Foresman, PE



Project Engineer

Attachments:

- Minimum Criteria Exhibit
- 2024 Traffic Counts



## MINIMUM CRITERIA

The Engineering Division collected extensive vehicular volume and speed data including average daily traffic, peak hour volume, average speeds and 85th percentile speeds on most neighborhood streets as part of the Neighborhood Traffic Study from 2007 to 2010. Unless additional studies have been conducted on a particular street, updated traffic data will most likely be necessary before determining if a street qualifies for traffic calming measures due to the time since the Neighborhood Traffic Studies were completed.

For a street to qualify for traffic calming measures at least one of the criteria thresholds below must be met.

### Speed:

- The average speed is at least **3 MPH** above the speed limit
- The 85<sup>th</sup> percentile speed is at least **7 MPH** above the speed limit

Note: School Zone Speed Limits can be used only where signed and when enhancing pedestrian safety is a primary goal

These speed limits are lower than the previous traffic calming program to make more streets eligible for traffic calming measures and to better account for outlier neighborhood traffic speeds effecting traffic studies. Slow speeds due to deliveries, garbage trucks, mail or residents accessing their driveways near traffic counters can lower the overall speeds recorded by the study.

### Volume:

- The average daily traffic is at least 1000 vehicles
- The peak hour volume is at least 120 vehicles

The traffic volume limits are meant to address cut through traffic on neighborhood streets. This typically happens on non-collector streets adjacent to arterial roadways. Volume criteria does not apply to collector streets except adjacent to high pedestrian generators.





## MINIMUM CRITERIA

Should an individual street qualify for traffic calming measures, the Engineering Division will also identify any surrounding streets that may be significantly impacted by traffic calming measures on the street in question. The selected surrounding streets may not meet the minimum criteria but could be adversely impacted if not considered in the development of a traffic calming project. The boundaries of potential significant impact will define the project area.

The only exception to meeting any of the criteria thresholds is if the street has a recent history of crashes atypical for a neighborhood street and traffic calming measures are the appropriate solution. Should the Engineering Division identify a high crash rate for the street, the Engineering Division has the discretion to initiate a traffic calming project even if none of the vehicular volume or speed criteria are met. In analyzing the crash reports for a street with a recent history of crashes, the Engineering Division will first consider less intrusive education, enforcement and engineering measures. If it is determined traffic calming measures are the appropriate solution, the project will continue with the traffic calming process.

### Definitions

These definitions pertain to the criteria thresholds described above and apply to an engineering traffic study typically lasting between 48 and 72 hours.

**Average Speed** – The mean speed, in miles per hour, of all vehicles during the traffic study. It is typically measured at the midblock of the street.

**85th Percentile Speed** – The speed, in miles per hour, at which 85% of all vehicles during the traffic study are traveling at or below. It is typically measured at the midblock of the street and represents the basis for establishing the speed limit.

**Average Daily Traffic** – The number of vehicles, measured in both directions, passing a point along the street during a 24-hour period. It is calculated by dividing the total number of recorded vehicles by the number of days in the traffic study.

**Peak Hour Volume** – The highest number of vehicles, measured in both directions, passing a point along the street during any 1-hour period during the traffic study.



Street : S. William Street  
 Address : 615  
 Engineer : LJF

Site: 2810  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Volume Grand Totals

**Average Hourly Volumes**

	Southbound	Northbound	Combined
12:00 AM	3.0	5.5	8.5
1:00 AM	2.0	1.0	3.0
2:00 AM	1.0	1.0	2.0
3:00 AM	1.0	0.0	1.0
4:00 AM	3.5	1.0	4.5
5:00 AM	12.0	5.0	17.0
6:00 AM	38.0	9.5	47.5
7:00 AM	59.0	29.0	88.0
8:00 AM	58.5	43.5	102.0
9:00 AM	51.5	26.5	78.0
10:00 AM	35.0	16.5	51.5
11:00 AM	41.5	32.0	73.5
12:00 PM	28.0	30.5	58.5
1:00 PM	39.0	26.0	65.0
2:00 PM	38.5	42.5	81.0
3:00 PM	48.0	53.5	101.5
4:00 PM	50.0	47.5	97.5
5:00 PM	85.0	61.5	146.5
6:00 PM	78.5	71.5	150.0
7:00 PM	34.5	35.0	69.5
8:00 PM	32.5	28.5	61.0
9:00 PM	19.0	19.0	38.0
10:00 PM	7.5	9.5	17.0
11:00 PM	6.0	6.5	12.5
Average Daily Traffic (ADT)	772.5	602.0	1374.5

**Volume Totals**

	Southbound	Northbound	Combined
	1545	1204	2749
	56.2%	43.8%	

Street : S. William Street  
 Address : 615  
 Engineer : LJF

Site: 2810  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Speed Grand Totals

mph	Hourly Averages													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	3.0	0.0	0.0	0.5	1.0	1.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
1:00 AM	2.0	0.0	0.5	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	3.5	1.0	0.5	1.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	12.0	0.0	1.0	3.0	3.0	2.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	38.0	0.0	2.0	8.5	9.5	7.0	6.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0
7:00 AM	60.0	4.5	5.5	17.0	12.5	8.5	7.0	3.0	2.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	58.5	1.0	3.0	14.5	11.5	9.0	10.0	4.5	2.0	2.5	0.5	0.0	0.0	0.0
9:00 AM	51.5	1.5	2.5	11.0	14.0	5.0	6.5	7.0	3.0	0.5	0.5	0.0	0.0	0.0
10:00 AM	35.0	2.0	0.5	8.5	8.5	6.5	5.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	41.5	3.0	2.5	9.5	15.5	3.0	3.0	3.5	1.5	0.0	0.0	0.0	0.0	0.0
12:00 PM	28.0	1.5	0.5	6.0	10.0	4.0	4.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	39.5	2.5	1.5	8.0	12.5	8.0	3.0	2.0	1.5	0.5	0.0	0.0	0.0	0.0
2:00 PM	39.0	2.5	2.0	12.5	8.5	6.0	4.5	2.0	0.0	0.5	0.5	0.0	0.0	0.0
3:00 PM	48.0	1.0	2.0	13.0	10.0	9.0	7.0	2.5	2.0	0.5	1.0	0.0	0.0	0.0
4:00 PM	52.0	3.5	3.5	10.5	11.0	10.5	5.5	6.0	1.5	0.0	0.0	0.0	0.0	0.0
5:00 PM	86.0	1.0	6.0	24.5	22.5	15.0	9.5	6.5	1.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	79.5	3.5	4.0	24.0	18.0	14.5	9.0	5.0	1.5	0.0	0.0	0.0	0.0	0.0
7:00 PM	35.0	1.0	4.0	12.0	7.5	7.0	2.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	32.5	0.0	1.5	12.0	7.5	8.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	19.0	0.5	0.5	5.0	6.5	3.5	1.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0
10:00 PM	7.5	0.0	0.5	1.0	2.5	1.0	0.5	1.0	0.0	1.0	0.0	0.0	0.0	0.0
11:00 PM	6.0	0.0	0.5	1.5	1.5	0.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Daily Average	779.0	30.0	45.5	204.5	194.0	130.5	91.0	55.5	19.0	6.5	2.5	0.0	0.0	0.0
<b>Average (Mean)</b>	28.8 mph	<b>Minimum</b> 1.0 mph			<b>Maximum</b> 58.9 mph			<b>Pace Range</b> 21.5 - 31.5 mph 829 vehicles (53.2%)						
<b>Percentile Speeds</b> (mph)	<u>10%</u> 20.1	<u>15%</u> 21.7	<u>50%</u> 27.5	<u>85%</u> 37.5	<u>90%</u> 40.2									
<b>Speeds Exceeded</b>	<u>25 mph</u> 63.8% (994)	<u>35 mph</u> 22.3% (347)		<u>45 mph</u> 3.6% (56)	<u>55 mph</u> 0.3% (5)	<u>65 mph</u> 0% (0)	<u>75 mph</u> 0% (0)							

Study Grand Totals														
Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
Southbound	1558	60	91	409	388	261	182	111	38	13	5	0	0	0
		3.9%	5.8%	26.3%	24.9%	16.8%	11.7%	7.1%	2.4%	0.8%	0.3%	0.0%	0.0%	0.0%

Street : S. William Street  
 Address : 615  
 Engineer : LJF

Site: 2810  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Speed Grand Totals

mph	Hourly Averages Northbound													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	5.5	0.0	0.5	1.5	1.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	1.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	1.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	5.0	0.0	0.5	1.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	9.5	0.5	0.5	3.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	30.5	6.5	3.0	4.5	11.0	4.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	43.5	2.0	2.0	6.5	16.5	13.5	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	27.0	2.0	2.5	2.5	11.5	6.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	16.5	1.0	0.5	2.5	8.5	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	32.0	3.5	2.0	4.0	12.0	7.5	2.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
12:00 PM	31.5	1.5	1.5	4.5	12.5	7.5	2.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	26.0	1.0	1.5	4.0	8.5	7.0	3.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	42.5	2.0	3.0	7.5	15.0	11.5	3.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3:00 PM	54.0	1.0	0.5	6.0	22.0	19.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	47.5	0.5	2.5	5.5	18.5	14.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	62.0	2.5	3.5	12.5	27.5	12.5	2.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
6:00 PM	72.0	2.5	3.5	20.5	32.5	11.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	35.5	1.0	2.0	9.5	11.0	10.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	28.5	0.0	3.5	6.0	10.0	7.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	19.5	0.5	2.0	3.0	6.0	5.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	9.5	0.0	0.0	1.0	4.5	3.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	6.5	0.0	0.5	1.5	2.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Average	607.5	28.0	35.5	108.0	237.0	153.0	39.5	5.5	1.0	0.0	0.0	0.0	0.0	0.0
<b>Average (Mean)</b>	27.3 mph	<b>Minimum</b> 1.0 mph			<b>Maximum</b> 46.0 mph			<b>Pace Range</b> 23.9 - 33.9 mph 812 vehicles (66.8%)						
<b>Percentile Speeds</b> (mph)	<u>10%</u> 19.5	<u>15%</u> 21.8	<u>50%</u> 28.0	<u>85%</u> 33.0	<u>90%</u> 34.2									
<b>Speeds Exceeded</b>	<u>25 mph</u> 71.3% (866)	<u>35 mph</u> 7.4% (90)	<u>45 mph</u> 0.2% (2)	<u>55 mph</u> 0% (0)	<u>65 mph</u> 0% (0)	<u>75 mph</u> 0% (0)								
<b>Study Grand Totals</b>														
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
Northbound	1215	56 4.6%	71 5.8%	216 17.8%	474 39.0%	306 25.2%	79 6.5%	11 0.9%	2 0.2%	0 0.0%	0 0.0%	0 0.0%	0 0.0%	0 0.0%

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Speed Grand Totals

mph	Hourly Averages													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	8.5	0.0	0.5	2.0	2.0	3.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0
1:00 AM	3.0	0.0	0.5	0.5	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.0	0.0	0.0	0.5	1.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	1.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	4.5	1.0	0.5	1.5	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	17.0	0.0	1.5	4.0	5.5	3.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	47.5	0.5	2.5	12.0	12.0	9.5	6.0	3.0	1.0	1.0	0.0	0.0	0.0	0.0
7:00 AM	90.5	11.0	8.5	21.5	23.5	12.5	8.0	3.5	2.0	0.0	0.0	0.0	0.0	0.0
8:00 AM	102.0	3.0	5.0	21.0	28.0	22.5	13.0	4.5	2.0	2.5	0.5	0.0	0.0	0.0
9:00 AM	78.5	3.5	5.0	13.5	25.5	11.5	8.0	7.5	3.0	0.5	0.5	0.0	0.0	0.0
10:00 AM	51.5	3.0	1.0	11.0	17.0	9.5	6.0	4.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	73.5	6.5	4.5	13.5	27.5	10.5	5.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	59.5	3.0	2.0	10.5	22.5	11.5	7.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	65.5	3.5	3.0	12.0	21.0	15.0	6.5	2.5	1.5	0.5	0.0	0.0	0.0	0.0
2:00 PM	81.5	4.5	5.0	20.0	23.5	17.5	7.5	2.5	0.0	0.5	0.5	0.0	0.0	0.0
3:00 PM	102.0	2.0	2.5	19.0	32.0	28.5	12.0	2.5	2.0	0.5	1.0	0.0	0.0	0.0
4:00 PM	99.5	4.0	6.0	16.0	29.5	25.0	11.5	6.0	1.5	0.0	0.0	0.0	0.0	0.0
5:00 PM	148.0	3.5	9.5	37.0	50.0	27.5	11.5	7.5	1.5	0.0	0.0	0.0	0.0	0.0
6:00 PM	151.5	6.0	7.5	44.5	50.5	25.5	11.0	5.0	1.5	0.0	0.0	0.0	0.0	0.0
7:00 PM	70.5	2.0	6.0	21.5	18.5	17.0	4.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	61.0	0.0	5.0	18.0	17.5	15.5	4.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	38.5	1.0	2.5	8.0	12.5	9.0	4.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
10:00 PM	17.0	0.0	0.5	2.0	7.0	4.0	1.0	1.5	0.0	1.0	0.0	0.0	0.0	0.0
11:00 PM	12.5	0.0	1.0	3.0	3.5	3.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
Daily Average	1386.5	58.0	81.0	312.5	431.0	283.5	130.5	61.0	20.0	6.5	2.5	0.0	0.0	0.0
<b>Average (Mean)</b>	28.1 mph	<b>Minimum</b> 1.0 mph			<b>Maximum</b> 58.9 mph			<b>Pace Range</b> 22.4 - 32.4 mph			1610 vehicles (58.1%)			
<b>Percentile Speeds</b> (mph)	<u>10%</u> 20.0	<u>15%</u> 21.8	<u>50%</u> 27.7	<u>85%</u> 35.3	<u>90%</u> 37.4									
<b>Speeds Exceeded</b>	<u>25 mph</u> 67.1% (1860)	<u>35 mph</u> 15.8% (437)	<u>45 mph</u> 2.1% (58)	<u>55 mph</u> 0.2% (5)	<u>65 mph</u> 0% (0)	<u>75 mph</u> 0% (0)								

Study Grand Totals														
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
Combined	2773	116	162	625	862	567	261	122	40	13	5	0	0	0
		4.2%	5.8%	22.5%	31.1%	20.4%	9.4%	4.4%	1.4%	0.5%	0.2%	0.0%	0.0%	0.0%
Southbound	1558	60	91	409	388	261	182	111	38	13	5	0	0	0
		3.9%	5.8%	26.3%	24.9%	16.8%	11.7%	7.1%	2.4%	0.8%	0.3%	0.0%	0.0%	0.0%
Northbound	1215	56	71	216	474	306	79	11	2	0	0	0	0	0
		4.6%	5.8%	17.8%	39.0%	25.2%	6.5%	0.9%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%



Street : S. William Street  
 Address : 806  
 Engineer : LJF

Site: 2809  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Volume Grand Totals

**Average Hourly Volumes**

	Southbound	Northbound	Combined
12:00 AM	4.0	6.5	10.5
1:00 AM	3.0	0.5	3.5
2:00 AM	2.0	1.0	3.0
3:00 AM	0.0	0.0	0.0
4:00 AM	6.5	1.0	7.5
5:00 AM	20.0	5.0	25.0
6:00 AM	61.5	9.0	70.5
7:00 AM	79.5	26.5	106.0
8:00 AM	105.0	37.5	142.5
9:00 AM	62.0	29.0	91.0
10:00 AM	51.0	22.5	73.5
11:00 AM	65.0	32.0	97.0
12:00 PM	32.5	30.0	62.5
1:00 PM	66.0	34.0	100.0
2:00 PM	51.0	49.0	100.0
3:00 PM	80.0	63.0	143.0
4:00 PM	67.5	63.5	131.0
5:00 PM	69.0	80.0	149.0
6:00 PM	58.5	65.5	124.0
7:00 PM	43.0	37.5	80.5
8:00 PM	37.5	35.5	73.0
9:00 PM	25.5	21.0	46.5
10:00 PM	8.0	13.5	21.5
11:00 PM	9.0	9.0	18.0
Average Daily Traffic (ADT)	1007.0	672.0	1679.0

**Volume Totals**

	Southbound	Northbound	Combined
	2014	1344	3358
	60.0%	40.0%	

Street : S. William Street  
 Address : 806  
 Engineer : LJF

Site: 2809  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Speeds Grand Totals

mph	Hourly Averages													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	4.0	0.0	0.5	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	3.0	0.0	0.0	1.0	1.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	2.0	0.5	0.0	0.5	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	6.5	0.0	0.0	2.5	1.0	1.5	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
5:00 AM	20.0	0.0	2.0	4.5	4.0	5.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
6:00 AM	61.5	2.0	4.0	15.0	16.0	8.0	7.0	7.5	1.5	0.5	0.0	0.0	0.0	0.0
7:00 AM	80.5	2.5	5.0	27.0	16.5	6.5	14.5	7.0	1.0	0.5	0.0	0.0	0.0	0.0
8:00 AM	106.0	3.0	4.0	32.5	22.5	13.5	15.5	11.0	3.5	0.5	0.0	0.0	0.0	0.0
9:00 AM	62.0	1.0	1.5	22.0	9.5	9.0	8.5	8.0	2.0	0.5	0.0	0.0	0.0	0.0
10:00 AM	51.0	0.5	4.5	18.5	8.0	7.5	8.5	2.5	1.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	66.0	1.0	4.5	18.5	14.5	9.5	7.5	8.0	1.0	1.5	0.0	0.0	0.0	0.0
12:00 PM	32.5	1.0	1.0	8.5	8.5	5.0	4.0	4.0	0.5	0.0	0.0	0.0	0.0	0.0
1:00 PM	66.0	0.5	0.0	20.0	13.5	10.5	14.0	6.0	1.0	0.5	0.0	0.0	0.0	0.0
2:00 PM	51.0	1.0	2.5	16.0	11.5	6.0	9.0	2.5	2.0	0.5	0.0	0.0	0.0	0.0
3:00 PM	81.0	1.5	7.0	24.0	19.0	8.0	14.0	4.0	2.5	0.5	0.5	0.0	0.0	0.0
4:00 PM	68.0	2.0	4.5	20.5	15.0	12.0	7.5	3.5	3.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	71.5	13.5	17.0	21.5	10.0	5.0	3.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	61.0	19.0	15.0	16.5	7.5	2.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0	0.0
7:00 PM	43.5	3.5	4.0	15.5	7.0	6.5	5.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	37.5	1.5	1.5	14.0	6.5	5.5	5.5	2.0	1.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	25.5	0.0	1.5	6.0	6.5	4.0	2.5	2.5	0.5	2.0	0.0	0.0	0.0	0.0
10:00 PM	8.0	0.0	0.0	1.0	3.0	1.5	0.0	2.0	0.5	0.0	0.0	0.0	0.0	0.0
11:00 PM	9.0	0.0	0.5	3.0	1.5	0.5	2.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Average	1017.0	54.0	80.5	310.0	203.5	129.0	132.0	77.0	23.5	7.0	0.5	0.0	0.0	0.0
<b>Average (Mean)</b>	27.9 mph	<b>Minimum</b> 1.1 mph			<b>Maximum</b> 55.4 mph			<b>Pace Range</b> 20.0 - 30.0 mph			1035 vehicles (50.9%)			
<b>Percentile Speeds</b> (mph)	<u>10%</u> 18.8	<u>15%</u> 20.4	<u>50%</u> 26.0	<u>85%</u> 38.1	<u>90%</u> 40.1									
<b>Speeds Exceeded</b>	<u>25 mph</u> 55.8% (1135)	<u>35 mph</u> 23.3% (473)	<u>45 mph</u> 3.0% (62)	<u>55 mph</u> 0.0% (1)	<u>65 mph</u> 0% (0)	<u>75 mph</u> 0% (0)								

Study Grand Totals														
Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200	
Southbound	2034	108	161	620	407	258	264	154	47	14	1	0	0	0
		5.3%	7.9%	30.5%	20.0%	12.7%	13.0%	7.6%	2.3%	0.7%	0.0%	0.0%	0.0%	0.0%

Street : S. William Street  
 Address : 806  
 Engineer : LJF

Site: 2809  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Speed Grand Totals

mph	Hourly Averages Northbound													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	6.5	0.0	0.0	2.0	2.5	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	0.5	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	1.0	0.0	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 AM	5.0	0.0	0.5	1.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 AM	9.0	0.0	0.0	1.5	3.0	4.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 AM	26.5	2.0	2.5	6.0	8.0	6.0	1.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0
8:00 AM	38.5	3.0	1.0	6.5	16.5	10.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9:00 AM	29.0	0.5	1.5	7.5	13.0	5.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
10:00 AM	23.0	1.0	2.0	6.5	7.5	5.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	32.0	2.0	2.0	5.5	12.0	8.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12:00 PM	30.0	0.0	0.0	5.0	11.5	11.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1:00 PM	34.0	0.5	0.5	2.5	15.0	14.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2:00 PM	49.5	0.5	2.0	6.0	20.0	17.0	3.0	0.5	0.0	0.5	0.0	0.0	0.0	0.0
3:00 PM	64.5	3.0	3.0	10.0	20.5	25.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 PM	64.5	4.0	2.0	9.5	22.0	21.0	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	81.0	15.5	17.0	27.0	15.5	5.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	67.5	17.0	16.0	22.0	9.5	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7:00 PM	38.0	3.5	2.0	4.5	16.5	9.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	35.5	1.0	1.0	6.0	16.5	9.0	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	21.0	0.5	0.0	3.0	8.5	8.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10:00 PM	13.5	0.0	0.0	1.0	7.5	4.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11:00 PM	9.0	0.0	0.5	2.5	3.0	2.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Average	680.0	54.0	53.5	136.0	231.5	172.0	28.5	3.5	0.5	0.5	0.0	0.0	0.0	0.0

<b>Average (Mean)</b>	26.0 mph		<b>Minimum</b>	1.0 mph		<b>Maximum</b>	50.7 mph		<b>Pace Range</b>	23.1 - 33.1 mph 843 vehicles (62.0%)				
<b>Percentile Speeds</b> (mph)	<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>									
	16.4	19.4	27.0	32.4	33.5									
<b>Speeds Exceeded</b>	<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>								
	63.9% (869)	4.6% (62)	0.1% (2)	0% (0)	0% (0)	0% (0)								

	Study Grand Totals													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
Northbound	1360	108	107	272	463	344	57	7	1	1	0	0	0	0
		7.9%	7.9%	20.0%	34.0%	25.3%	4.2%	0.5%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%

Street : S. William Street  
 Address : 806  
 Engineer : LJF

Site: 2809  
 Wednesday, 10/16/2024 12:00 AM -  
 Friday, 10/18/2024 12:00 AM

Speed Grand Totals

mph	Hourly Averages													
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
12:00 AM	10.5	0.0	0.5	3.5	3.5	2.0	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
1:00 AM	3.5	0.0	0.0	1.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
2:00 AM	3.0	0.5	0.0	1.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3:00 AM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4:00 AM	7.5	0.0	0.0	2.5	2.0	1.5	0.0	1.0	0.5	0.0	0.0	0.0	0.0	0.0
5:00 AM	25.0	0.0	2.5	5.5	5.5	7.0	2.5	1.5	0.5	0.0	0.0	0.0	0.0	0.0
6:00 AM	70.5	2.0	4.0	16.5	19.0	12.0	7.5	7.5	1.5	0.5	0.0	0.0	0.0	0.0
7:00 AM	107.0	4.5	7.5	33.0	24.5	12.5	15.5	7.5	1.5	0.5	0.0	0.0	0.0	0.0
8:00 AM	144.5	6.0	5.0	39.0	39.0	23.5	17.0	11.0	3.5	0.5	0.0	0.0	0.0	0.0
9:00 AM	91.0	1.5	3.0	29.5	22.5	14.5	9.0	8.5	2.0	0.5	0.0	0.0	0.0	0.0
10:00 AM	74.0	1.5	6.5	25.0	15.5	13.0	9.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0
11:00 AM	98.0	3.0	6.5	24.0	26.5	17.5	10.0	8.0	1.0	1.5	0.0	0.0	0.0	0.0
12:00 PM	62.5	1.0	1.0	13.5	20.0	16.5	6.0	4.0	0.5	0.0	0.0	0.0	0.0	0.0
1:00 PM	100.0	1.0	0.5	22.5	28.5	24.5	15.5	6.0	1.0	0.5	0.0	0.0	0.0	0.0
2:00 PM	100.5	1.5	4.5	22.0	31.5	23.0	12.0	3.0	2.0	1.0	0.0	0.0	0.0	0.0
3:00 PM	145.5	4.5	10.0	34.0	39.5	33.5	16.5	4.0	2.5	0.5	0.5	0.0	0.0	0.0
4:00 PM	132.5	6.0	6.5	30.0	37.0	33.0	12.5	4.5	3.0	0.0	0.0	0.0	0.0	0.0
5:00 PM	152.5	29.0	34.0	48.5	25.5	10.0	4.0	0.5	1.0	0.0	0.0	0.0	0.0	0.0
6:00 PM	128.5	36.0	31.0	38.5	17.0	4.5	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0
7:00 PM	81.5	7.0	6.0	20.0	23.5	15.5	7.5	2.0	0.0	0.0	0.0	0.0	0.0	0.0
8:00 PM	73.0	2.5	2.5	20.0	23.0	14.5	7.0	2.5	1.0	0.0	0.0	0.0	0.0	0.0
9:00 PM	46.5	0.5	1.5	9.0	15.0	12.0	3.5	2.5	0.5	2.0	0.0	0.0	0.0	0.0
10:00 PM	21.5	0.0	0.0	2.0	10.5	6.0	0.5	2.0	0.5	0.0	0.0	0.0	0.0	0.0
11:00 PM	18.0	0.0	1.0	5.5	4.5	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
Daily Average	1697.0	108.0	134.0	446.0	435.0	301.0	160.5	80.5	24.0	7.5	0.5	0.0	0.0	0.0
<b>Average (Mean)</b>	27.1 mph	<b>Minimum</b> 1.0 mph			<b>Maximum</b> 55.4 mph			<b>Pace Range</b> 20.9 - 30.9 mph			1800 vehicles (53.0%)			
<b>Percentile Speeds</b>		<u>10%</u>	<u>15%</u>	<u>50%</u>	<u>85%</u>	<u>90%</u>								
(mph)		18.1	20.2	26.6	35.4	37.9								
<b>Speeds Exceeded</b>		<u>25 mph</u>	<u>35 mph</u>	<u>45 mph</u>	<u>55 mph</u>	<u>65 mph</u>	<u>75 mph</u>							
		59.0% (2004)	15.8% (535)	1.9% (64)	0.0% (1)	0% (0)	0% (0)							

Study Grand Totals														
	Total	0 - < 15	15 - < 20	20 - < 25	25 - < 30	30 - < 35	35 - < 40	40 - < 45	45 - < 50	50 - < 55	55 - < 60	60 - < 65	65 - < 70	70 - < 200
Combined	3394	216	268	892	870	602	321	161	48	15	1	0	0	0
		6.4%	7.9%	26.3%	25.6%	17.7%	9.5%	4.7%	1.4%	0.4%	0.0%	0.0%	0.0%	0.0%
Southbound	2034	108	161	620	407	258	264	154	47	14	1	0	0	0
		5.3%	7.9%	30.5%	20.0%	12.7%	13.0%	7.6%	2.3%	0.7%	0.0%	0.0%	0.0%	0.0%
Northbound	1360	108	107	272	463	344	57	7	1	1	0	0	0	0
		7.9%	7.9%	20.0%	34.0%	25.3%	4.2%	0.5%	0.1%	0.1%	0.0%	0.0%	0.0%	0.0%