
Memorandum

The City of Traverse City
Engineering Department



TO: Timothy J. Lodge, P.E., City Engineer
FROM: Colby V. Winter, Temporary Engineering Aide
DATE: Monday, August 15, 2016
SUBJECT: Executive Summary for 2016 Speed Counts

The City of Traverse City's Engineering Department conducted 10 on site speed counts during the summer of 2016. Data was recorded at each location between 24 and 48 hours.

The Jamar Radar Recorders gathered data for each lane of traffic; one lane north (or east) bound and one lane south (or west) bound. The speeds of each identified vehicle were recorded in the device's hard drive and then exported into the TraxPro Software where all vehicles in all lanes were compiled into one report. The report divided the speeds into groups starting with a 1-15 mph tier and each successive group at 5 mph increments until it reached the 70 mph and above tier. The tiers are subcategorized into the time in which the vehicles speed was observed

A summary of each location is shown below:

State St, East of Rose St

Thursday, August 8, 2016 – Friday, August 9, 2016

- Speed Limit: 25 mph
- Average Speed: 26 mph
- Percent > 25 mph: 56.3%
- 24-hr ADT Weekday: 1,867 vehicles
- 85th Percentile: 30 mph

Wayne St, West of Madison St

Monday, May 23, 2016 – Tuesday, May 24, 2016

- Speed Limit: 25 mph
- Average Speed: 27 mph
- Percent > 25 mph: 59.7%
- 24-hr ADT Weekday: 1,102 vehicles
- 85th Percentile: 33 mph

Barlow St, North of Washington St

Tuesday, May 10, 2016 – Thursday, May 12, 2016

- Speed Limit: 25 mph
- Average Speed: 23 mph
- Percent > 25 mph: 26.6%
- 24-hr ADT Weekday: 3,718 vehicles
- 85th Percentile: 27 mph



Bay St between Monroe St and Ramsdell Rd

Thursday, May 12, 2016

- Speed Limit: 25 mph
- Average Speed: 25 mph
- Percent > 25 mph: 51.3%
- 24-hr ADT Weekday: 5,589 vehicles
- 85th Percentile: 30 mph

Beadle St, East of Cochlin St

Thursday, May 12, 2016 – Friday, May 13, 2016

- Speed Limit: 25 mph
- Average Speed: 20 mph
- Percent > 25 mph: 23.7%
- 24-hr ADT Weekday: 321 vehicles
- 85th Percentile: 27 mph

Thirteenth St, South of Maple St

Friday, May 19, 2016 – Monday, May 23, 2016

- Speed Limit: 25 mph
- Average Speed: 24 mph
- Percent > 25 mph: 41.8%
- 24-hr ADT Weekday: 1841 vehicles
- 85th Percentile: 28 mph

Eighth St, East of Lake St

Monday, May 16, 2016 – Tuesday, May 17, 2016

- Speed Limit: 25 mph
- Average Speed: 28 mph
- Percent > 25 mph: 71.4%
- 24-hr ADT Weekday: 18,545 vehicles
- 85th Percentile: 33 mph

Eighth St between Franklin St and Wellington St

Monday, May 16, 2016 – Tuesday, May 17, 2016

- Speed Limit: 25 mph
- Average Speed: 29 mph
- Percent > 25 mph: 79.3%
- 24-hr ADT Weekday: 22,058 vehicles
- 85th Percentile: 33 mph



Front St, West of Pine St

Friday, May 13, 2016 – Monday, May 16, 2016

- Speed Limit: 25 mph
- Average Speed: 25 mph
- Percent > 25 mph: 41.4%
- 24-hr ADT Weekday: 22,756 vehicles
- 85th Percentile: 29 mph

Front St between Madison St and Monroe St

Monday, June 20, 2016 – Wednesday, June 22, 2016

- Speed Limit: 25 mph
- Average Speed: 28 mph
- Percent > 25 mph: 74.4%
- 24-hr ADT Weekday: 27,310 vehicles
- 85th Percentile: 33 mph

